



CENTRAL UNIVERSITY OF  
KERALA

**10<sup>th</sup>**  
**ANNUAL REPORT**  
2018-19



**CENTRAL UNIVERSITY OF KERALA**

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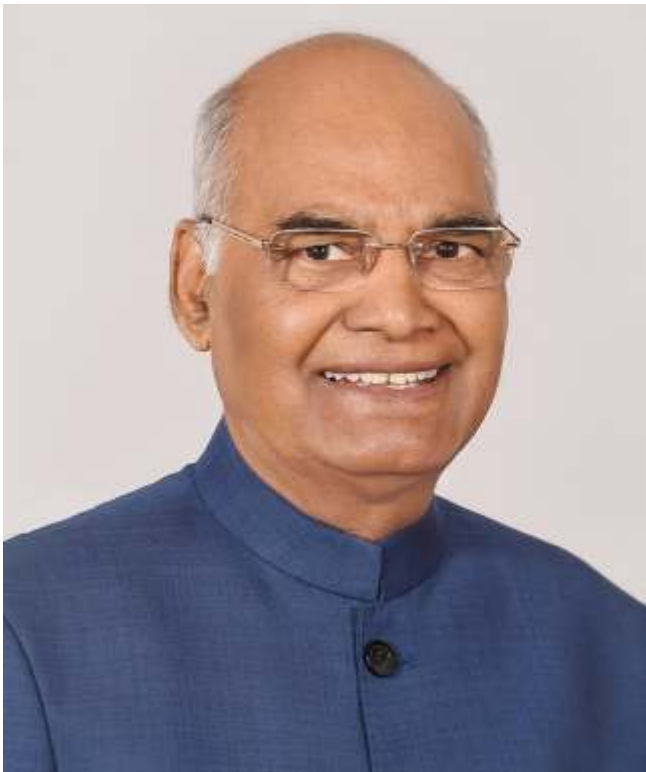
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Visitor  
**SHRI. RAM NATH KOVIND**  
HIS EXCELLENCY THE PRESIDENT OF INDIA

A lawyer, veteran political representative and an ardent, long-time champion of equitability in society and integrity in Indian public life, Shri Ram Nath Kovind was born on October 1, 1945, in Village Paraunkh, District Kanpur Dehat, Uttar Pradesh. Before assuming office of the 14th President of India on July 25, 2017, Shri Kovind served as the 36th Governor of the state of Bihar from August 16, 2015 to June 20, 2017.

Shri Ram Nath Kovind completed his school education in Kanpur and pursued higher education in Kanpur University for receiving the degrees of B.Com and LL.B. He enrolled as an Advocate with the Bar Council of Delhi in 1971.

Shri Kovind was Counsel of Union Government in the Delhi High Court from 1977 to 1979. He became an Advocate-on-Record of the Supreme Court of India in 1978. Thereafter, from 1980 to 1993, he was the Union Government's Standing Counsel in Supreme Court. He practised at the Delhi High Court and Supreme Court for 16 years till 1993.

Shri Ram Nath Kovind was elected as and became a member of the Rajya Sabha (Upper House of Parliament) from Uttar Pradesh in April 1994. He served for two consecutive terms of six years each till March 2006. A keen Parliamentarian, Shri Kovind served on the Parliamentary Committee on Welfare of Scheduled Castes/Tribes, Parliamentary Committee on Home Affairs, Parliamentary Committee on Petroleum and Natural Gas, Parliamentary Committee on Social Justice and Empowerment, and Parliamentary Committee on Law and Justice. He was also Chairman of Rajya Sabha House Committee.

Shri Kovind also served as Member of the Board of Management of the Dr B.R Ambedkar University, Lucknow and as Member of the Board of Governors of the Indian Institute of Management, Kolkata. As a member of the Indian delegation, he addressed the United Nations General Assembly on 22nd October 2003.



**Chancellor**  
**Prof. (Dr.) S. V. SESHAGIRI RAO**

Born in Hyderabad in 1936, Prof. S. V. Seshagiri Rao had headed the Geophysics department of Osmania University and had officiated as Chairman of the Board of Studies in Geophysics.

A versatile Mathematician, Prof. S. V. Seshagiri Rao has authored several books in Mathematics some of which include Theory of Field, Theory of Probability and its Applications in Geophysics, Statistics and Hydro Statistics.



Vice-Chancellor

**Prof. (Dr.) G. Gopa Kumar**

Dr. G. Gopa Kumar served as Professor at Kerala University for over fifteen years. He was formerly UGC-Emeritus Fellow, ICSSR Senior Fellow, Dean of Social Sciences and Professor and Head of the Department of Political Science, University of Kerala with more than forty three years of teaching experience in Political Science at the University level. He was also the Vice-Chairman, Academic Committee, Credit and Semester System, University of Kerala and Director, Nehru Study Centre, Director, V.K. Krishna Menon Study Centre for International Relations, Co-ordinator, UGC Special Assistance Programme, Department of Political Science, University of Kerala. He also served as the Director General of the Institute of Parliamentary Affairs, Government of Kerala. He received numerous international and national awards and fellowships like Visiting Research Fellow, University of New South Wales, Australia (2010), Prince of Songkla University, Thailand (2010), Australian Studies Senior Fellow (2009), Visiting Fellow, Shastri Indo-Canadian Fellowship (2000 & 2006), Visiting Faculty, Claremont Graduate University, USA (2003), Fulbright Award, USA (1998 & 2002), Salzburg Fellow, Austria (1998), Visiting Faculty, University of Calgary, Canada (2001), International Visiting Fellow in US (1996), UGC-Indo-French Cultural Exchange Award (1990) and UGC-Research Scientist (1988-1989). He declined the Fulbright Scholar In Residence Award from Morgan University, USA to accept the position of Vice Chancellor of the Central University of Kerala, which he joined on 7th August 2014. As an Education administrator he was awarded Shastri Mobility Fellowship (2017) and visited University of Calgary, Canada to study on "Canadian Contribution in Internationalizing Higher Education in the era of Globalization".



**Pro-Vice Chancellor  
Prof. (Dr.) K. Jayaprasad**

Dr. K. Jayaprasad took his Masters and Doctoral Degree in Political Science, from University of Kerala. He started his career as a UGC Research Associate in the Department of Politics, University of Kerala in 1991. In 1994 he joined Sree Narayana College, Thiruvananthapuram as Lecturer in Political Science. He served as the Head of the Department of Politics, Sree Narayana College, Cherthala and became a Reader in 2003 and Associate Professor in 2006, at Sree Narayana College, Kollam, under University of Kerala. With an academic career of 25 years, he has remarkable experience in the discipline of Political Science and International Relations and is a recognised research guide in University of Kerala and Central University of Kerala. With five books authored, chapters in thirteen edited volumes, both in English and Malayalam and over 60 research articles, his contribution to the area of research is distinguishable. He is a popular figure in media, a columnist and an active participant of various debates and on-air discussions. His publications in various newspapers and journals would count up to a number of more than 400. He is the Editor of the Research Journal 'Pragathy' and also the Associate Editor of South Asian Journal of Socio-Political Studies (SAJOSPS). His publications include areas related to Education, International Politics, Human Rights, State Politics and Electoral Politics. He is life member of various professional bodies like All India Political Science Association, Treasurer of Association of Political Scientists Kerala and is the Vice President of Bharatheeya Vichara Kendram since 2013, where he served as General Secretary, thrice, from 2004-2013. He was also involved with the Governing Body of State Resource Centre, Kerala. He served as a Member, Board of Studies (PG), Political Science, University of Kerala, and is a part of the Academic Council of Bharatheeya Vichara Kendram Research Centre, Thiruvananthapuram. He is an expert and chairman of examination boards of various universities. He is also associated with advisory councils of numerous bodies.



# Executive Summary

The Central University of Kerala was established with the objectives to disseminate and advance knowledge by providing instructional and research facilities in such branches of learning as it may deem fit; to make special provisions for integrated courses in humanities, social sciences, science and technology in its educational programmes; to take appropriate measures for promoting innovations in teaching learning process and interdisciplinary studies and research; to educate and train manpower for the development of the country; to establish linkages with industries for the promotion of science and technology; and to pay special attention to the improvement of the social and economic conditions and welfare of the people, their intellectual, academic and cultural development.

Keeping the objectives as enumerated in the Act in mind, the Central University of Kerala is committed to provide instructional and research facilities in all suitable and relevant branches of learning. Special provisions are made for integrated courses in Humanities, Social Sciences, Science & Technology in our academic programmes.

Inter-disciplinarity is promoted in the academic courses and research. Innovations in modern teaching-learning process are the highlight of the courses, avoiding rigidity and exclusion in extending the borders of learning and research resources. The activities of the University are planned in order to contribute to the improvement of the social and economic conditions of the people by developing their intellectual, academic and cultural resources

Central University of Kerala established in 2009 with two departments and 17 students has grown into 23 departments with as many 1679 students during the academic year 2018-19. The University moved to its permanent campus at Periyar during April 2019. Sri. Venkai Naidu Hon'ble Vice President of India dedicated the campus to Nation on 29<sup>th</sup> April, 2019 in a mega

function organised in the campus.

The University has 310 acres of land allotted by Government of Kerala at Periyar. Apart from this, 10 acres of land was sanctioned at Thiruvalla to establish its School of Legal Studies. The construction for the water supply scheme of the university was started at Moonnamkadavu with the financial assistance of Government of Kerala.

The university has witnessed several academic activities and administrative initiatives in the year 2018-19. Major academic initiatives include the programmes undertaken by the PMMMMNMTT project of School of Education, at the university. In addition to that, other academic departments and study centers conducted various academic activities including seminars, workshops, symposiums, extension activities, inspire programmes, etc.

Faculty members of the university have made tremendous achievements in the fields of publication, attracting research funding and grabbing fellowship and international support. In continuation of the progress attained by the teaching staffs, students also has brought in many laurels to the university.

University has progressed extensively in terms of physical infrastructure. Work of two hostels sanctioned by the Ministry of Social Justice and Empowerment is in progress. The foundation stone for the two hostels were laid by Hon'ble Union Minister of State for Electronics, IT and Tourism Shri K. J. Alphons Kannamthanam on 18-4-2018. Foundation stone laying of another 100 seater hostel under Babu Jagjivan Ram Chhatrawas Yojna was done by Hon'ble Governor of Mizoram Sri. Kummanam Rajashekharan on 24-7-2018. Further the foundation stone laying of School of Education funded by PMMMMNMTT, Department of Yoga Studies was carried out by Hon'ble Minister of State for HRD and Ganga Rejuvenation, Dr. Satypal Singh on 5th August 2018.

During this academic year University has



22 PG research and one UG department. The 3rd convocation of the University was held on 2<sup>nd</sup> March 2019 in which Hon'ble Governor of Kerala Justice (Rtd.) P. Sathasivam was the Chief Guest. The 10<sup>th</sup> Foundation day was also celebrated on 2<sup>nd</sup> March 2019. Prof. (Dr.) S. A. Bari, Vice Chancellor, Central University of Gujarat delivered the foundation day lecture.

The examinations of students were carried out according to the academic planning set by the university. The Court, EC, FC, AC and Board of Studies of various departments were conducted in regular intervals so as to facilitate effective functioning of the university's academic and administrative system.

The major activities of the university, School-wise is narrated below:+

#### SCHOOL OF BIOLOGICAL SCIENCES

The School of Biological Sciences have four departments viz; Biochemistry and Molecular Biology, Animal Science., Genomic Science and Plant Science. The School of Biological Sciences is emphasized on research-based teaching. It possess several world class instruments and equipment such as Ultracentrifuge, fluorescent and light microscopes, FPLC, Real-time PCR, Spectrofluorimeter, multi-mode plate reader and Biosafety Class II Cabinet which are available to all students and scholars. The school have achieved several milestones in the field of invertebrate and vertebrate taxonomy as well as in phylogenetics, drug designing, Genomics, Cancer biology, noncoding RNAs, Cell signalling, protein biochemistry, Transcriptomics and Metagenomics and Microbial genetics and genomics. The school also have several ongoing projects such as flood assessment in Kerala, elucidation of various parasites diversity in Corals and fishes, cancer drug resistance and development, cutaneous microbiome, dengue, anticancer compounds from plants and seaweeds, development of bio-pesticides, target tumor angiogenesis and breast cancer, orphan landraces, antibacterial agents, Indian bison, egg production in duck, human pluripotent stem cells, and biofuel. The expertise of faculty members are evident from the offers they have received in various conference and workshops as resource person and experts in reputed institutes and

expert committee member for setting up of Institute of Advanced Virology. The faculties have also been bestowed with various awards such as Indian National Science Academy (INSA)-Royal Society of Edinburgh (RSE) Bilateral Exchange Program, fellowship of the Kerala Academy of Science, "Young woman" award by Venus International Foundation, DST-SERB Young scientist, and Young Scientist Award by Catalysis society of India. The school has also been awarded several projects at national and international level. International projects funding includes Indo-Russian Joint Research project through Department of Science & Technology (DST) and Russian Foundation for Basic Research (DSTRFBR) and Department of Biotechnology Stanford University Grant. The national level projects includes Science Research Schemes (SRS) by Kerala State Council for Science, technology and environment (KSCSTE), SERB-DST, DBT, Start Up Grant by University Grants Commission, Ministry of Environment, Forests and Climate Change, Kerala Biodiversity Board and Raman Fellowship. The school has also conducted several programs for dissemination of scientific awareness and knowledge to the community such as early attraction of talents for science (SEATS) for plus one students, science writing workshop and DST Inspire science camp. In addition, the students have also achieved several milestones such as best innovative idea for 'Transforming Kerala through Science and Technology interventions', Research Fellowship in Life Sciences at University of Georgia (USA), best poster and interjector award in International Symposium, Best Interactive Poster, INSPIRE Fellowship award, Innovator Award of Central University of Kerala at AVISHKAR, Innovation Fest 2019 Organized by Innovation club of Central University of Kerala, SET, GATE, KSCSTE, INSPIRE, CSIR- UGC-NET and other Academic Examinations.

#### SCHOOL OF GLOBAL STUDIES

Department of International Relations & Politics and Undergraduate Department of International Relations, Capital Centre, Thiruvananthapuram are the departments under this School. The School of Global Studies aspires to be a premier institute of excellence in South Asia by inculcating moral and ethical values in

students to ensure social harmony, dignity, worth of individuals and respect for diversity of opinions along with providing unmatched training in the vibrant discipline of International Relations. It has an interdisciplinary approach to the study of international relations and committed to the values of excellence, diversity, academic integrity and collegiality. It also offers courses in German and French languages in direct collaboration with the Goethe Zentrum and Alliance Française institutes located at Thiruvananthapuram. It has established Centre for Security Studies and contributed in several books, publications and various workshops. It has also received research funding by ICSSR on "Political Metamorphosis of Karma Yoga: The Contemporary Relevance of the Socio-Political Philosophy of Swami Vivekananda". In addition, the faculties are also member of Board of Studies, School of International Studies (JNU) and President of All India Political Science Association. The students have also won various prize and awards in the extracurricular activities.

#### SCHOOL OF SOCIAL SCIENCES

Dept. of Social Work and Dept. of Public Administration and Policy Studies are the departments in this School. The School aspires to become a centre of excellence in developing social work professionals for promoting justice and empowerment. With a judicious mix of theory and practice, the department has geared itself to be strong in teaching, research and learning. The school houses the Centre for Gerontology and Civil Service Coaching Centre of CU Kerala (CSCCCUK). The school have organized several seminar and workshop programmes for the civil service aspirants, national conference (funded by National Institute of Social Defence), drug abuse prevention, waste management awareness, importance of blood donation, social legislation, urban governance, rights of women (sponsored by NHRC), and re-electrified Koraga School of Perdala (Badiyadka Panchayat) The faculties have also been awarded funded projects by Indian Council of Social Science Research on Handling Psychosocial Problems, E-Governance and Socio-Economic Development in Kerala.

#### SCHOOL OF LEGAL STUDIES

Department of Law is the only

department in this School. The School of Legal Studies provides flexible programs which caters the needs of society, government and client. The department is located at Thiruvalla close to Thiruvalla court centre enabling students to have a practical interface with the legal system. The faculty members have strong expertise in research/ real-world experience with book publications. In addition, regular national and international interdisciplinary seminars are held. In addition, they have also participated as experts and resource person in various workshops and invited lectures.

#### SCHOOL OF ECONOMICS

The School of Economics comprises of the Department of Economics. The department is specialized in local governance, regional economics, international trade, energy economics, international finance, demography and population studies, institutional economics, etc. It has an active engagement in research and teaching and aims to develop economically backward area of North Malabar Region and Kerala. In the recent years, the department has conducted three days International conference on "Augmenting Tourism Infrastructure, Assurance of Quality Standards in Tourist Services and Opportunities in the Context of Sustainable Tourism in India". The faculties have grabbed funded projects on Skill Development of Migrant Women Workers, Energy Poverty in Kerala, and Alternative Agricultural Production in Kerala from ICSSR and IUCAE. The students have also achieved several awards, prizes and titles in Best Economist, presentation competition(s), district level "Speak for India" Debate, Zonal Level Round of "Federal Bank Speak for India- Kerala Edition", and District Youth Parliament.

#### SCHOOL OF PHYSICAL SCIENCES

One of the major Schools in the University, it has departments like Physics, Chemistry, Mathematics and Computer Science. The curriculum in the School of Physical Sciences is framed to enable the students to achieve sound theoretical foundation and problem solving skills in all subjects, and exposure to a range of research areas is provided through a choice of elective courses. The School is equipped with atomic absorption spectrometer (AAS), Fluorescence,

FTIR, and UV-VIS spectrophotometers, CHNS Elemental analyser, gas chromatograph, thermal system (TGA & DSC), general computing lab and signal processing - intelligent systems lab, vibrating sample magnetometer, XRD system, thin film fabrication facilities including RF sputtering, nuclear data acquisition system, workstations, computer cluster ("PHOTON") with 64 processing cores is also part of the Computing laboratory. The School have focused in several aspects from basic to applied field such as algebra, combinatorics, graph theory, control theory, differential equations, distribution theory, fixed point theory, operations research, stochastic modelling and analysis, special functions, topological dynamics, solar cell, Nanostructured, bio-electrocatalytic, social network analysis, group dynamics, drug resistance, sensor, heavy ion, fusion and quasifission, sensors, etc. Faculties have received funding from several agencies such as SERB MATRICS, DST-SERB, IUAC-UFR, DST-RFBR, DST- SERB-ECR and have received "Young woman" award (Venus International Foundation), DST-SERB Young scientist, Young Scientist Award (Catalysis society of India), and, ISCAS Smt. Mayadevi Juenja Endowment Medal. The School regularly organizes International Conference, workshop and training programs for higher secondary/high school teachers, discussions and technical events for cultivation and fostering of research outlook among the students. In addition, the department has also delivered several invited talks and speeches, participated as expert and resource person, invited talk in syllabus framing, joint coordinator in workshop and research discussion cum collaboration in Qatar University. The students have also achieved tremendous success in various aspects such as grants for presentation in University of Southampton (UK), IAEA grant (China), DST International Travel grant (Japan), Marie Curie fellowship, Ph.D fellowship in University of Ottawa (Canada), Woman Scientist A Grant, best presenter award in several international conference, Ph.D. Fellowship At Hokkaido University-Japan and also cleared several national level exams such as UGC CSIR NET, JEST, SET, GATE, KSCSTE, INSPIRE, etc.

SCHOOL OF LANGUAGES AND  
COMPARATIVE LITERATURE  
Department of Hindi, English, Linguistic

and Malayalam are the constituent departments in this School. The School aims at giving a pan Indian outlook keeping in line with the interdisciplinary vision of the university. Its faculties have a rich academic experience from different universities in India and abroad. At present, research is being carried out in Alternative Modernities, Anthropocene, Comparative Literature, Creative Writing, Critical Theory, Cultural Studies, Culture and Critical Theory, Disability Studies, Everyday Life, Film and Media Studies, Gender Studies, Life Writing, Malayalam Literature and Pedagogy, Poetry, Postcolonial Theory, Post-humanism, Self and Subjectivity, Semiotics, Shakespeare, Theatre and Performance Studies, Translation Studies, Women and Islam, Women and Writing and Nationalism & Post-Truth. The school have several centres such as Centre for Women's Studies, Centre for Criticism & Theory, a Centre for Translation Studies and Centre for Cinema & Screen Studies and Centre for Classical Language Malayalam. The centres have organised various seminars, film fest, various talks, workshops , personality development programmes, and International Women's Day celebration. In addition, Centre of Endangered Language was set up as a step towards documentation and preservation of the languages, which do not have much documentation, or Languages that are critically endangered. The faculties have also been awarded several funded projects by UGC/MHRD and participated as resource and chairperson in various events and also received various awards such as Shri Chandiyogi Smriti Samman, AIPC Gujarat Vishisht Samman, Adarsh Vidya Saraswati Rashtriya Puraskar, and "Outstanding women" in the VIWA Award 2019 by the Venus International Foundation. The students have also achieved plausible positions in national level exams such as UGC, ICSR, NFHE, MANF, ICCR and RGNF.

SCHOOL OF MEDICINE AND PUBLIC HEALTH  
Dept. of Public Health and Community  
Medicine, Dept. of Yoga Studies are the two  
departments in this School. The school has  
envisaged as a service oriented, academic and  
research based institution. It also offers traditional  
and philosophical aspects of Yoga. Integrated  
with this are practical sessions to impart  
knowledge of therapeutic applications of Yoga.

The faculties have also attracted funded projects from Wellcome Trust/DBT India Alliance Early Career Award and PMMMNMTT on assessment of employability skills and lifestyle intervention program to prevent the progression to diabetes. In addition, the faculties have volunteered as experts and resource person in various workshops, seminars and field trips such as advanced bio-statistics, public health, zero waste, yoga for world peace harmony & love, and international yoga day celebrations. The students have also excelled in various national level exams such as UGC NET and secured PhD admission under Erasmus Mundus Scholarship in the University of Norway. They are also active participants in extracurricular activities such as interdepartmental cricket match, inter-school volleyball, kabaddi, football, Quiz competition, mono act, mimicry, rangoli, etc.

#### SCHOOL OF EARTH SCIENCE SYSTEMS

Dept. of Environmental Science and Dept. of Geology are the constituent departments in this School. The School of Earth Science Systems is engaged in the interdisciplinary fields of environmental science and technology inclined towards sustainable development. The Department of Geology is committed to produce future geologists and geo-scientists with academic excellence. The department currently has separate laboratories for Palaeontology, Petrology and Mineralogy, Geomatics, Sedimentology, Hydrogeology and Geochemistry, Ore Geology. The core emphasis of the Department of Environment Studies is in Environmental Chemistry, Ecology, Climate Change, Renewable Energy, Environmental Biotechnology and Microbiology, Environmental Impact Assessment and Environmental Engineering. The faculties have grabbed funding from SERB, BRNS (DAE), Central University of Kerala, Indo German Science and Technology Centre, Max Planck Gesselschaft, Early Career Research (ECR), Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT), UGC BSR (Start-Up Grant) on various aspects of environmental studies such as UV-LED disinfection module, biodiversity conservation in Western Ghats, water quality, wind energy, Mycotoxin(s), angiosperms, Geoscience education, Fossil pteropods, fora

miniferals, Western Ghats belt, deformation, metamorphism and mineralization. They school has also conducted World Tourism Day with poster exhibition, short film screening, workshop on "Thesis and Paper Writing Skills" and workshop on "Ph.D. Supervision skills" for the young faculties, and International Earth Science Olympiad. In addition, the faculties have achieved 'Best Oral Presentation Award' at International Conference on Agriculture, Animal Sciences and Food Technology (ICAFT) 2018 organised by Universiti Sultan Zainal Abidin (UniSZA) (Malaysia), various special talks and lectures in national and international institutes such as Goldschmidt conference held in Boston (US), "Young Researchers in Structural Geology and Tectonics" (YORSGET) at Montgenevre (France) and Utrecht University (Netherlands). The students have also grabbed summer research fellowship awarded by Indian National Science Academy (INSA) and presented posters in several conferences.

#### SCHOOL OF EDUCATION

Department of Education is the only department under this School. The Department of Education strives to produce professionally qualified teacher educators that meet the needs and challenges of the knowledge society across the globe. It has placed emphasizes on personalized instruction, multiple learning strategies and learner centric classroom environment. Its thrust areas of research includes environmental education, awareness for sustainable development, instructional designs, curriculum innovations, web-based instruction, inclusive education, value education, yoga education and multicultural education. The Department of Education has been awarded the MHRD's prestigious flagship programme Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) under the School of Education, Centre for Curriculum Research, Policy and Educational Development (CCRPED) and Centre for Life Skills in Education. It has organised Faculty Development Programme on Curriculum and Life Skills, Capacity Development Programme for Secondary Students, etc. The School has also been awarded several funded projects from Indian Council of Social Science Research (ICSSR) and

PMMMNTT such as classroom based critical pedagogy, development of women fish venders' children in Malabar, open educational resources (OER), massive open online courses (MOOC), electronic waste and its management, life skills education programme of the CBSE curriculum, WhatsApp mediated learning approach, developing online training module, and curriculum offered for the students with intellectual disabilities. The department have also conducted workshops on digital learning and curriculum transaction, induction-training

programme for teachers working in universities/colleges/institutes. The faculties have participated as expert and resource person in various workshops and conferences, received national awards-National accomplished teacher educator award (Council for teacher education), Senate of Cochin University of Science and technology (CUSAT), and as Advisory member and expert member in various centres and Committees. In addition, students from the department of Education have qualified various national level exams such as UGC-JRF.

## The Vision

The Central University of Kerala is founded on the lofty vision of 'caring wisdom' that aims at sensitizing present and future generations to the need for the enrichment of the individual, to the sustainable development of society, and to environmental harmony. We are committed to the task of generating and disseminating knowledge in cutting edge areas of learning through innovative teaching/learning methodologies which ensure the maturation of individuals through physical, emotional, intellectual, and spiritual growth. This challenging academic mission is enthused by the

ideals of interdisciplinarity, meaningful local-global interaction, ecological balance, and equilibrium of physical and spiritual faculties.

Our holistic scheme of education privileges critical insight, transparent methodology and scientific temperament, even as it emphasizes the values of tolerance, peace and joy. The concept of education as envisioned by the Central

University of Kerala transcends the barriers of time and place facilitating a confluence of various cultures and traditions upholding the rights and dignity of the individual across all classes, knowledge systems and all ages. We wish to set a new benchmark for quality higher education which is charged with the missionary zeal to establish a world that respects the equality of genders, classes and creeds; promotes scientific thought, cherishes the dreams of inclusive development, and celebrates the balance of culture and nature.

## The Logo

The Logo of the CUK is designed by the renowned sculptor Kanayi Kunhiraman. The name of the University is given in Hindi and in English within 2 concentric circles. It suggests that the CUK is a local site to create, collect, and codify knowledge and to disseminate the light of knowledge globally. In the central image, the abbreviation of the name of the University (CUK) is placed in such a way as to evoke a crown of theyyam, the indigenous art form of the Malabar region where the University is located. The image also evokes the shapes of a



nib and a computer mouse, which represent traditional and modern pursuits of knowledge respectively. The open book, the classic

representation of learning, acts as the base of the logo. In the lettering 'CUK', the character 'U' is made taller to signify that a university is an end in itself. The circle with nine rays represents the radiance of knowledge, which is further affirmed in the motto 'Amritam tu vidya' which means, 'Knowledge is eternal'. It appears in many scriptures such as the Katha Upanishad 2:3:17. Here, it is taken from Shvetashvatara Upanishad (5:1): "Ksharam tu avidaya hi amritam tu vidya." (Ignorance leads to decay, and knowledge to Immortality).

## Objectives

The Central Universities Act, 2009, enumerates the objectives of the University as follows:

1. To disseminate and advance knowledge by providing instructional and research facilities in such branches of learning as it may deem fit;
2. To make special provisions for integrated courses in humanities, social sciences, science and technology in its educational programmes;
3. To take appropriate measures for promoting innovations in teaching-learning process and inter-disciplinary studies and research;
4. To educate and train manpower for

- the development of the country;
5. To establish linkages with industries for the promotion of science and technology;
6. To pay special attention to the improvement of the social and economic conditions and welfare of the people, their intellectual, academic and cultural development.

Keeping the objectives as enumerated in the Act in mind, the Central University of Kerala is committed to provide instructional and research facilities in all suitable and relevant branches of learning. Special provisions shall be made for integrated courses in Humanities, Social Sciences, Science & Technology in our academic

programmes. Interdisciplinarity will be promoted in the academic courses and research. Innovations in modern teaching-learning process will be implemented, avoiding rigidity and exclusion in extending the borders of learning and research resources. We shall educate and train the manpower for the development of the country; establish linkages with industries for promoting science and technology. The activities of the University will be planned in order to contribute to the improvement of the social and economic conditions of the people by developing their intellectual, academic and cultural resources.

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| 1  | Chancellor  | Chairperson   |
| 2  | Vice Chancellor   | Member  |
| 3  | All Deans   | Members   |
| 4  | Finance Officer   | Member  |
| 5  | Controller of Examinations  | Member  |
| 6  | Librarian   | Dr. P Senthilkumaran, Deputy Librarian  |
| 7  | Senior most Warden  | Ms. Jayalakshmi Rajeev, Assistant Professor,<br>Department of Public Health and Community Medicine  |
| 8  | One Professor/Associate Professor /<br>Assistant Professor from each school,<br>by rotation in the order of seniority<br>Prof. (Dr.) Prathapa Chandra Kurup<br>Prof (Dr.) Ajith Kumar N<br>Dr. Sudha K Associate Professor<br>Dr. M R Biju Associate Professor<br>Dr. P C Prasanna Kumar Associate Prof.<br>Dr. Mary Vineetha Thomas Asst. Prof.<br>Dr. Jeyabalan Sangeetha Asst. Prof.<br>Dr. Gireesh Kumar J Asst. Prof.<br>Dr. Elezebeth Mathews Asst. Prof. | Prof (Dr.) K C Baiju  |
| 09 | Two Persons representing learned<br>professional nominated by the Visitor   | i. Dr. Vinodkumar T G Nair, Senior Scientist,<br>Ethnomedicine & Ethnopharmacology Division,<br>Jawaharlal Nehru Tropical Botanic Garden &<br>Research Institute, Palode, Thiruvananthapuram<br>ii Dr. K N Madhusudanan Pillai, Academic Dean,<br>Bharatheeya Vicharakendram Research Centre,<br>GPO Lane, Thiruvananthapuram   |
| 10 | Four persons nominated by the<br>Vice-Chancellor, representing<br>SC/ST, OBC, Women, Minority   | i SC/ST Member - Adv. P Sudheer,<br>Kochuputhu Veedu,Udayagiri,<br>Chempazhanchy PO, Trivandrum 695 587.<br>ii OBC Member Shri. Balakrishnan P, Koonathara<br>House, Padappangad PO, Kannur 670 581<br>iii Women Member Prof. (Dr.) Jameela Beegam,<br>Aashiana, TC9/830,JAKRA-14, Kavuvila Lane, V J Road,<br>Vellayambalam, Sasthamangalam, Trivandrum 10<br>iv Minority Member Adv. P J Thoivmas,<br>Sahyadri, Kalarikkal<br>Lane, Thannikkal, Elamakkara PO, Kochi 682 026. |
| 11 | Two teachers from the University<br>nominated by the Vice-Chancellor  | i Dr. Ranjith N Kumavath, Asst. Professor<br>ii Dr. Joshith, Assistant Professor  |
| 12 | One Non-Teaching staff from the<br>University nominated by the Vice-Chancellor  | Shri. Predeep. P. T., Section Officer - Member  |
| 13 | The President and the Secretary from<br>Students Council  | Members   |
| 14 | The Registrar   | Member Secretary  |

# Executive Council

Vice Chancellor

Secretary, Department of Higher Education,

MHRD, Gol or his nominee

Chairman, UGC or his /her nominee

Principal Secretary, Higher Education,

Govt. of Kerala

Pro Vice Chancellor

One Dean from among the Deans of Schools to be nominated by the Vice Chancellor

One Professor, who is not a Dean, by rotation

according to the seniority of the incumbent as

Professor, to be nominated by the Vice Chancellor

One Associate Professor, who is not a Dean, by rotation,

according to seniority of the incumbent as Associate

Professor, to be nominated by the Vice Chancellor

Two members of the Court, none of whom shall be an employee or student of the University or an Institution recognized by the University or bodies associated with the University, to be nominated by the Visitor from a Panel recommended by the Vice Chancellor

\*Three distinguished academicians nominated by the Visitor

An eminent academician belonging to SC/ST nominated by the Vice Chancellor from other reputed academic institution in the country, if none of the members in the EC under (a)-(i) above belongs to SC/ST

Registrar, Central University of Kerala, Kasaragod

Chairperson (Ex-Officio)

Member

Prof. Vinod Kumar Singh Member

Member

Dr. K Jayaprasad

Dr. Rajendra Pilankatta, Dean, School of Medicine and Public Health, Central University of Kerala Member

Dr. K. C. Baiju, Professor, Department of Economics, Central University of Kerala Member

Vacant

i Dr. Vinodkumar T.G Nair, Senior Scientist, Ethnomedicine & Ethnopharmacology Division, Jawaharlal Nehru Tropical Botanic Garden & Research Institute, Palode, Thiruvananthapuram, Kerala.

ii Dr. K.N Madhusudanan Pillai, Academic Dean, Bharatheeya Vicharakendram Research Centre, GPO Lane, Thiruvananthapuram, Kerala.

i Dr. C. I. Issac, Member, ICHR, Delhi

ii Dr. M. Mohandas, Retd. Professor, Kerala Agriculture University

ii Dr. K Vikraman Nair, Principal, Mar Gregorios College of Law, Thiruvananthapuram

Dr. C.A. Jayaprakas, Principal Scientist (Entomology) & Head, Division of Crop Protection, ICAR-CTCRI, Sreekariam, Trivandrum Member

Ex-Officio Secretary

# Academic Council

Vice Chancellor	Chairperson
Pro Vice- Chancellor	Member
Prof (Dr.) K. S. Chandrasekar, Institute of Management in Kerala, University of Kerala	Member
Dean, School of Languages and Comparative Literature	Member
Dean, School of Global Studies	Member
Dean, School of Education	Member
Dean, School of Biological Science	Member
Dean, School of Physical Science	Member
Dean, School of Earth Science Systems	Member
Dean, School of Economics	Member
Dean, School of Cultural Studies	Member
Dean, School of Medicine and Public Health	Member
Dean, School of Legal Studies	Member
Dean, School of Social Sciences	Member
Head, Department of Economics	Member
Head, Department of Animal Science	Member
Head, Department of Genomic Science	Member
Head, Department of Biochemistry and Molecular Biology	Member
Head, Dept. of Plant Science	Member
Head, Department of Hindi	Member
Head, Department of Malayalam	Member
Head, Department of English and Comparative Literature	Member
Head, Department of Linguistics	Member
Head, Department of Mathematics	Member
Head, Department of Physics	Member
Head , Department of Chemistry	Member
Head, Department of Geology	Member
Head, Department of Environmental Science	Member
Head, Department of Computer Science	Member
Head, Department of International Relations and Politics	Member
Head, Department of IR (BA), Capital Centre, Thiruvananthapuram	Member
Head, Department of Social Work	Member
Head, Department of Public Administration and Policy Studies	Member
Head, Department of Education	Member
Head, Department of Public Health and Community Medicine	Member
Head, Department of Yoga	Member
Head, Department of Law	Member
Dr V Rajeev, Associate Professor, Department of Malayalam	Member
Dr. Mohamedunni Alias Musthafa, Associate Professor, Department of Education	Member
Dr. Aswathi P Nair, Associate Professor, Department of Biochemistry and Molecular Biology	Member
Dr. K. Arunkumar, Associate Professor, Dept. of Plant Science	Member
Dr. T.J Joseph, Assistant Professor, Dept. of Economics	Member
Mr. Ajay Kumar, Assistant Professor, Dept of Plant Science	Member
Dr Efthikar Ahamed B , Assistant Professor, Dept. of English and Comparative Literature	Member

Dr. K Sowjanya Sree, Assistant Professor, Dept. of Environmental Science	Member
Dr. Manickavelu, Associate Professor, Dean' Students Welfare	Member
Dr. Manikandan Rangaswamy, Assistant Professor, Department of Mathematics	Member
Adv. P. J. Thomas, Kochi, Member of CUK Court	Member
Shri. Balakrishnan. P, Kannur, Member of CUK Court	Member
Student Representatives (to be nominated)	Member
Student Representatives (to be nominated)	Member
Registrar	Member Secretary

# Finance Committee

Vice Chancellor

Pro Vice Chancellor

One person nominated by the Court

Three person nominated by the Executive Council, out of whom at least one shall be a member of the Executive Council

Three persons to be nominated by the Visitor

Finance Officer, Central University of Kerala

Chairperson (Ex-Officio)

Prof. (Dr.) K Jayaprasad

Shri. P Balakrishnan, Koonathara House,  
Padappangad PO, Kannur 670 581

1. Dr. C. V. Jayamoni, Former F.O, Kerala University and Former Professor, CUSAT, Cochin-Member (EC nominee)- [CRA E4, Pooja, Kavil Lane, Cheruvakkal, Sreekariyam, Thiruvananthapuram- 695017]
  2. Shri. K. Vijayakumaran, Former F.O, Pondicherry Central University - Member (EC nominee) ['Kavyam', 1/5, PRD Menon Colony, Kallepully, Palakkad 6780051.
  3. Dr. K Vikraman Nair, Principal, Mar Gregorios College of Law, Thiruvananthapuram.
1. Joint Secretary and Finance Advisor, MHRD, or his/her nominee from Finance Bureau (dealing with CUs), MHRD not below the level of Under Secretary.
  2. Joint Secretary (CU), MHRD or his/her nominee not below the level of Under Secretary from Administrative Bureau.
  3. Joint Secretary (CU), UGC or any other officer not below the level of Under Secretary nominated by the Chairman, UGC.

Ex-Officio Secretary

# Building Committee

Vice Chancellor, Central University of Kerala.

Prof. (Dr.) M. Mohandas, Retd. Professor, Kerala Agriculture University, Tower 1, Flat No. 3B, Alukas Bhawanam, Olarikkara, Thrissur-680 012.

Prof. (Dr.) M.S John, Dean & HoD, Dept. of IR, Central University of Kerala.

Prof. (Dr.) Kalarikad Jonah Thomas, Dean & HoD, Dept. of Physics, Central University of Kerala.

Finance Officer, Central University of Kerala.

Head of the Department, Dept. of Civil Engineering, Govt. College of Engineering, Mangattuparamba, Parassinikadavu (P.O), Kannur-670 563.

Chief Engineer (Civil)-CECI, Calicut Project Zone, CPWD, Kendriya Bhavan, MS Baburaj Road, Kallai, Kozhikode-673 003.

Shri. V. Viswanathan Nair, Saroj PLRA 174, Thittamangalam, Vattiyoorkavu (P.O), Thiruvananthapuram-695 013.

Executive Engineer (Elect.)-EEEL, Calicut Electrical Division, CPWD, Kendriya Bhavan, MS Baburaj Road, Kallai, Kozhikode-673 003.

Executive Engineer, Public Health Division, Kerala Water Authority, Kasaragod-671 313.

Executive Engineer, Central University of Kerala.

Head of the Department, Dept. of Architecture, Govt. College of Engineering, Thiruvananthapuram-16.

Deputy Chief Architect, Kerala PWD, Public Office, Museum (P.O), Thiruvananthapuram-695 033.

Dr. M. Aravindakshan, 15/794 TMC 3/943 Aravindam, 68 Green Park, Thiruvambadi (P.O), Thrissur-680 022.

Registrar, Central University of Kerala - Member Secretary



# Vice Chancellor's Engagements: 2017-18

- 05/04/2018:- Inauguration of Community Sensitization Programme on "Curriculum Designing through MOODLE" at Farook Training College, Calicut, Organized by PMMMNTT School of Education Central University of Kerala
- 11/04/2018:- Inauguration of Community Sensitization Programme on "Cybergogy for Engaged Learning" at Institute of Advanced Studies in Education (IASE), Thrissur. Organized by PMMMNTT School of Education Central University of Kerala
- 21/06/2018:- To attend the Programme of International Yoga Day Celebration "YOGA FEST 2018" Central University of Kerala, at Multipurpose Hall, Tejaswini Hills, Periyar
- 23/10/2018:- To Attend Inaugural function three days International Conference on "Augmenting Tourism infrastructure, Assurance of Quality Standards in Tourist Service and Opportunities in the Context of Sustainable Tourism in India" Organized Department of Economics, Central University of Kerala and Supported Ministry of Tourism Govt. of India, At Nalanda Gokulam Resort Nileshtar
- 25/10/2018:- Inauguration of National Conference on "Design and Development of Digital Library Using Dispose" Organised by Library, Central University of Kerala Tejaswini Hills, Central University of Kerala, Kasaragod
- 25/10/2018:- To attend the Valedictory Function three days International Conference on "Augmenting Tourism infrastructure, Assurance of Quality Standards in Tourist Service and Opportunities in the Context of Sustainable Tourism in India" Organized Department of Economics, Central University of Kerala and Supported Ministry of Tourism Govt. of India, At Nalanda Gokulam Resort Nileshtar

- 31/10/2018:-Inauguration of three day workshop on "Massive Open Online Course (MOOC) through Swayam and Production and Production of Promo Video" organized by PMMMNTT School of Education Central University of Kerala, at Seminar Hall Department of Education, Tejaswini Hills Central University of Kerala
- 20/12/2018:- Inauguration of One Day International Seminar on "Contribution of Diaspora in Hindi Literature" Organized by Department of Hindi, Central University of Kerala, at 11.00 am, University Auditorium, Sindhu Block
- 04/01/2019:- Inauguration of " 'Karuth' Higher Studies Expo" Organized by c. Krishnan Nair Govt. Higher Secondary School, Pilicode, at 9.00 am, Karakkavu Auditorium, Kalikadavu
- 07/01/2019 :- Inauguration two days National Conference "Public Private Community Partnership in Prevention & Management of Drug Abuse" Organized by Department of Social Work, Central University of Kerala in association with National Institute of Social Defence, New Delhi, at 10.00 am Tejaswini Hills, Central University of Kerala, Kasaragod
- 10/01/2019:- To attend the Interactive Sessions National Seminar on Innovations in Engineering & Technology, Topic: "International Relations, Comparative Politics and Indian Politics" Organized by Govt. Polytechnic College Palakkad
- 02/02/2019:- National Girls Child Day Presidential Address & Official Donation of Books, organized by NSS Unit-2 Central University of Kerala, at 10.30 am, Govt. Higher Secondary School, Kalliot.
- 06/02/2019:- To attend the programme Centre For Cinema and Screen Studies , Central University of Kerala at 11.00 am Seminar Hall, Sabarmati Tejaswini Hills, Central University of Kerala, Kasaragod
- 07/02/2019:- Launching Ceremony of Re-Cycle Project, Organized by Students Council Central University of Kerala, at 5.00 pm Multipurpose Hall, Tejaswini Hills, Central University of Kerala, Kasaragod
- 02/03/2019:- Welcome Speech "Third Convocation, Central University of Kerala, Convocation Address by the Hon'ble Governor of Kerala, Justice (Retd) P Sathasivam at 10.30 am, Chandragiri Open Air Auditorium, Tejaswini Hills, Central University of Kerala, Kasaragod
- 02/03/2019:- 10<sup>th</sup> Foundation Day Ceremony Central University of Kerala, at 5.30 pm, Chandragiri Open Air Auditorium, Tejaswini Hills, Central University of Kerala, Kasaragod
- 07/03/2019:- Chief Guest National seminar on " Constitution of India and Civil Right" Organized by Department of Malayalam Govt. College Kattappana Supported by Kerala State Institute of Parliamentary Affairs, Trivandrum . at 10.00 am, Seminar Hall Govt. College Kattappana.
- 08/03/2019:- Inauguration New Canara Bank Central University Branch, at 9.30 am, Amininty Building Tejaswini Hills, Central University of Kerala, Kasaragod
- 12/03/2019:- Inauguration of three days National Seminar "Kadhantharanga" organized by Sahitya Akademi in Association with Department of Malayalam Central University of Kerala. At 10.00 am Tejaswini Hills, Central University of Kerala, Kasaragod.
- 18/03/2019 :- Inauguration of Two Days of National Seminar on "Women & and the Environment" organized by Centre for Women's Studies Central University of Kerala with the Support of National Commission for Women, at 10.00 am Seminar Hall, Sabarmati, Tejaswini Hills, Central University of Kerala, Kasaragod.
- 20/03/2019:- Inauguration Two day National Seminar on "Urban Governance in India: Prospects and Challenges" organized by Department of Public Administration & Policy Studies, Central University of Kerala, at 10.00am Conference Hall, Sabarmati Building, Tejaswini Hills, Central University of Kerala, Kasaragod.
- 27/03/2018 :- Inauguration of One Day National Seminar "Different Dimensions of Postmodern Hindi Criticism" , Organized by Department of Hindi, Central University of Kerala

# Department of Animal Science

Head of the Department: **Prof. (Dr.) M. Arunachalam**  
Programmes Offered: **M.Sc. and Ph.D.**

This department has the expertise in invertebrate and vertebrate taxonomy, phylogenetics, experimental studies using invertebrate models, application oriented research leading to policy making and for application to man-kind



Present Faculty Position									
Posts	Sanctioned			Filled up		Vacant		Total	
Assistant Professor	4			4		0		4	
Associate Professor	2			1		1		1	
Professor	1			1		0		1	

Students Enrolment									
Programme	General	SC	ST	OBC	PWD	Total	Male	Female	
M.Sc.	12	10	4	30	0	56	47	9	
Ph.D.	6	2	0	14	0	22	15	7	

### Faculty Details

Dr. M. Arunachalam, Professor

Specialization : Fish taxonomy and phylogenetics, River and wetland Ecology, habitat studies of freshwater fishes

Dr. Sudha K, Associate Professor

Specialization : Physiology and Endocrinology of Crustaceans; Distribution, Phylogeny of parasitic Crustaceans; Optimization of irradiation dose for Shellfish meat preservation Shell fish Immunology

Dr. Divya, Assistant Professor

Specialization : Developmental Biology, Caecilian Biology & molluscan taxonomy

Dr. Sinu P. A, Assistant Professor

Specialization : Ecology, biodiversity and conservation biology studies, Entomology, Systematics

Dr. H.P. Gurushankara, Assistant Professor

Specialization : Genetics & Molecular Biology, Toxicology, Cell and Microbiology, Immunology

Dr. Ramachandran Kotharambath, Assistant Professor

Specialization : Caecilian Systematic Biology, Anthrozoology

### List of Members of Board of Studies:

Dr. M. Arunachalam, Head & Professor,  
Department of Animal Science,

### External Members:

Prof. N. Munusamy, UGC -DSR Emeritus Scientist,  
Department of Zoology, School of Life  
Sciences, University of Madras

Professor Yajurvedi, Mysore University

Dr. M. C. Subash Peter, Professor, Department of  
Zoology, University of Kerala,

Dr. M. Nagarajan, Department of Genomic Science

### Internal Members :

Dr. Sudha K. Dr. L. Divya,

Dr. Sinu P.A.

Dr. H.P. Gurushankara

Dr. Ramachandran K.

### Publications of the Faculty

Dr. Sudha Kappalli, April 2018: Panakkool-  
Thampan, A., Kottarathil, H. A., Kappalli, S., &

Gopinathan, A. (2018). First record of  
*Glossobius auritus* Bovallius 1885 and  
*Glossobius hemiramphi* Williams and  
Williams 1985 (Crustacea: Isopoda:  
Cymothoidae) parasitizing the marine fishes  
from Indian Coast. *Thalassas: An  
International Journal of Marine Sciences*,  
34(1), 173-189.

Dr. Sudha Kappalli, April 2018: Rijin, K., Sudha, K.,  
Vineesh, P. J., & Anilkumar, G. (2018).  
Seasonal Variation in the Occurrence of  
Parasitic Isopods and Copepods (Crustacea)  
Infecting the Clupeidae Fishes of Malabar  
Coast, India. *Turkish Journal of Fisheries and  
Aquatic Sciences*, 19(3), 241-249.

Dr. Sudha Kappalli, December 2018: Aneesh, P. T.,  
Sudha, K., Helna, A. K., & Anilkumar, G. (2018).  
*Agarna malayi* Tiwari 1952 (Crustacea:  
Isopoda: Cymothoidae) Parasitising the  
Marine Fish, *Tenualosatoli* (Clupeidae) from

- India: Re-description/description of Parasite Life Cycle and Patterns of Occurrence. *Zoological Studies*, 57, 1-22.
- Dr. Sudha Kappalli, February 2019: Kottarathil, H. A., & Kappalli, S. (2019). Reproductive System in the Male Phase of a Parasitic Isopod (Crustacea) Morphological, Histological and Ultrastructural Evidence for Sequential Protandrous Hermaphroditic Changes. *Zoological Studies*, 58(2019).
- Dr. Sudha Kappalli, 2019: Keethadath, A., Kappalli, S., Gayathri, N., Thomas, D. M. & Anilkumar, G. (2019). Impact of gamma irradiation on tissues of the mud crab, *Scylla serrata* (Forskål, 1775) (Decapoda, Portunidae) electron microscopic study and DNA comet assay. *Crustaceana*, 92(1), 33-56. doi.org/10.1163/15685403-00003833
- Arun, D., Akbarsha, M. A., Oommen, V. O., Lekha Divya (2019) An insight into the dermal scales, cutaneous glands and secretions of a caecilian amphibian (*Gegeneophis ramaswamii*) from the Western Ghats of India. *Microscopy research and techniques* (Wiley) doi: 10.1002/JEMT.23276 (IF- 1.08)
- Midhun, S. J., Neethu, S., Arun, D., Vysakh, A., Lekha Divya, Radhakrishnan, E. K., Jyothis, M., (2019) Dietary supplementation of *Bacillus licheniformis* HGA8B improves growth parameters, enzymatic profile and gene expression of *Oreochromis niloticus*. *Aquaculture* (Elsevier) 505, 289-296. doi:10.1016/j.aquaculture.2019.02.064 (IF- 2.71)
- Sruthi MV, Akhila B Nair, Arun D, Sheeja C C, Thushara V V, O V Oommen, Lekha Divya \* (2018). Dietary Curcumin Influences Leptin, Growth Hormone and Hepatic Growth Factors in Tilapia (*Oreochromis mossambicus*) *Aquaculture* (Elsevier) (I.F- 2.570) ISSN: 1519-566X (Print) 1678-8052.
- Arun D, Beyo RS, Ramachandran K, Akbarsha MA, Oommen OV, Lekha Divya\* (2018). Light and electron microscopic observations on the organization of skin and associated glands of two caecilian amphibians from Western Ghats of India. *Micron*, (Elsevier). <https://doi.org/10.1016/j.micron.2018.01.004>. IF- 1.98
- Sheeja C C, Thushara V V, Lekha Divya \* (2018). Caste specific expression of Na<sup>+</sup>/K<sup>+</sup>-ATPase in the Asian weaver ant, *Oecophylla smaragdina* (Fabricius, 1775) *Neotropical entomology*, (Elsevier). IF-0.756
- K. P. Laladhas, Preetha Nilayangode, Sujith V. Gopalan, Lekha Divya, and O V. Oommen (2017). Community Conservation of Marine Turtles and Sustainable Ecosystems, In *Environmental Challenges & Solution*, (Ed.: Robert J. Carbin) Springer Publishers, pp 117-184. ISSN 2214-2827.
- Arun D, Ramachandran K, Akbarsha M A, Oommen O V & Lekha Divya\* (2016). Ultrastructural study of the skin of three caecilians (*Ichthyophis tricolor*, *Uraeotyphlus oxyurus* and *Gegeneophis ramaswamii*) from Western Ghats, India. *Anatomical Records*, Vol: 299, 261-262. IF- 1.542
- Varma, S. & Dr. Sinu, P.A. (2019). Nectar robbing in bell flower (*Sesamum radiatum*) benefited pollinators but unaffected maternal function of plant reproduction. *Scientific Reports* 9: 8357.
- Roshnath, R., Athira, K. & Sinu P.A. (2019). Does predation pressure drive heronry birds to nest in the urban landscape. *Journal of Asia-Pacific Biodiversity* 12: 311-315
- Sinu, P.A., Varma, S., Reshmi, K.S., Aswathi, K., Megha, P.P., Jasna, T.V., Nikhila Reshmi, M.V. & Sibisha, V.C. (2019). Effect of flower sex ratio on fruit set in pumpkin (*Cucurbita maxima*). *Scientia Horticulturae* 246: 1005-1008.
- Kuriakose, G., Shivanna, K.R. & Sinu, P.A. (2019). Floral traits predict pollination syndrome in *Syzygium* species: a study on four endemic species of the Western Ghats, India. *Australian Journal of Botany* 66: 575-582.
- Kuriakose, G., Shivanna, K.R. & Sinu, P.A. (2018). Ant pollination of *Syzygium occidentale*, an endemic tree species of tropical rain forests of the Western Ghats, India. *Arthropod-Plant Interactions* 12: 647-655.
- Gurushankara, HP, Venu, R., & Vasudev, V. (2018). Hyperthermia enhances methyl methanesulfonate- induced adaptive response in meiotic cells of grasshopper *Poecilocus pictus*. *Mutagenesis*, 33, 215-224.
- Shilpa, O., Anet A., Anupama, KP, Siddanna, TK., & Gurushankara, HP. (2018). Lead modulated Heme synthesis inducing oxidative stress

mediated Genotoxicity in *Drosophila melanogaster*. Science of the Total Environment, 634, 628-639.

Shilpa, O., Anet A., Anupama, KP., & Gurushankara, HP. (2019). Bisphenol A induced oxidative stress mediated genotoxicity in *Drosophila melanogaster*. Journal of Hazardous Materials, 370, 42-53.

Anupama, KP., Shilpa, O., Anet A., Siddanna, TK., & Gurushankara, HP. (2019). *Convolvulus Pluricaulis* (Shankhapushpi) ameliorates human microtubule- associated protein Tau (HMAP?) induced neurotoxicity in Alzheimer's disease *Drosophila* model. Journal of Chemical Neuroanatomy, 95, 115-122.

#### Books:

Gurushankara, HP., Shilpa, O., Anet, A., Anupama, KP. (2019). Present status and future perspectives of marine actinobacterial metabolites (pp. 307-315). In: Recent Developments in Applied Microbiology and Biochemistry (978-0-12-816328-3), Edited by Vishwanath Buddolla, Academic Press is an imprint of Elsevier.

#### Ongoing Projects:

Dr. SudhaKappalli is awarded with the Indo-Russian Joint Research project entitled "Integrative study of parasitic crustacean copepods from coral communities of the Northwest Indian Ocean", funded by Department of Science & Technology (DST), Govt. of India and Russian Foundation for Basic Research (DST-RFBR). Total amount sanctioned for the project is Rs. 24,69,800/-

Dr. SudhaKappalli is awarded with the Science Research Schemes (SRS) project entitled "Studies on occurrence, sexuality, growth and reproduction of cymothoids parasitize commercially important marine fishes of Malabar Coast", funded by Kerala State Council for Science, technology and environment (KSCSTE). Total amount sanctioned for the project is Rs. 24,57,000/-

Dr. SudhaKappalli is awarded with the Science & Engineering Research Board (SERB) project entitled "Studies on Biphasic moult and Hermaphroditic reproduction in

*Norilecaindica*, a parasitic Cymothoid (Isopoda: Crustacea) infesting the marine fishes of Malabar Coast", funded by Department of Science & Technology (DST), Govt. of India. Total amount sanctioned for the project is Rs. 40,89,600/-

Dr. P.A. Sinu is awarded with a project titled "Flower constancy predicts pollination efficiency of pollinators" funded by SERB-DST. Total amount sanctioned for the project is 38 lakhs.

Dr. P.A. Sinu is awarded with a project titled "Himalayan Bee Demonstration plot" funded by Ministry of Environment, Forests and Climate Change, New Delhi. Total amount sanctioned for the project is 39.8 lakhs.

Dr. Ramachandran K. is awarded with a project titled The systematics and spatial distribution of *Gegeneophis* species (Amphibia: Gymnophiona) in the Malabar region of the south Western Ghats. Funded by Start Up Grant, University Grants Commission, Govt. of India, Total amount sanctioned for the project Rs. 10,00,000/-

Dr. Ramachandran K. is awarded with a project titled The parasitology of caecilian amphibians of south Western Ghats. Funded by Department of Biotechnology- Stanford University Grant, Govt. of India. Total amount sanctioned for the project Rs. 8,00,000/-

Programmes Conducted by the Department Innovation in Science Pursuit for Inspired Research (INSPIRE) internship programme implemented by Department of Science & Technology (DST), Govt. of India under the Scheme for Early Attraction of Talents for Science (SEATS) for Plus one Students coordinated by Dr. Sudha K. from 22.12.2018 to 27.12.2018

Workshop on Science Writing coordinated by Dr. P.A. Sinu from 26-31 March 2019

Dr. Ramachandran K. DST Inspire Science Camp. Joint Coordinator. December 22-27, 2018.

#### Other Achievement by the Faculty

Dr. M. Arunachalam, Professor & Head and Dr.

Ramachandran K. were sanctioned flood assessment projects from Kerala Biodiversity Board with fund support of Rs. 6.35 and 1.25 lakhs respectively.

Dr. Sudha K., Associate Professor, Received Indo-Russian (DST- RFBR) Collaborative Research Project: "Integrative study of parasitic crustacean copepods from coral communities of the Northwest Indian Ocean" Principal Investigator: CUK; Russian Collaborator: Dr. Viatcheslav N. Ivanenko, Lomonosov Moscow State University, Russia Sanctioned KSCSTE, Govt of Kerala funded research project entitled "Studies on Occurrence, Sexuality, Growth and Reproduction of Cymothoids Parasitizing Commercially Important Marine Fishes of Malabar Coast". Principal Investigator: Dr. Sudha K., Associate Professor.

Dr. Sudha K., Associate Professor, CUK, Programme Co-ordinator, DST- INSPIRE SCIENCE CAMP, 22 -27 December 2018 at Central University of Kerala.

Dr. Sinu P.A. received Raman Fellowship (2018)

Students Achievements (Best five)

Technically recommended the research project "Molecular Interaction of *Cryptocaryon irritans* with mucosal, humoral and cellular components of selected marine cultured/aquarium teleost fishes of Kerala"

submitted by Dr. Jose Priya T. A., for funding under the Women Scientist Scheme-A, Department of Science & Technology, Govt. of India Mentor: Dr. Sudha K., Associate Professor.

Ms. Nikhila Reshmi M.V., Research Scholar secured INSPIRE Fellowship awarded by Department of Science and Technology. Mentor: Sudha K., Associate Professor.

Best Innovator Award of Central University of Kerala, at AVISHKAR 2019 Organized by Innovation club of Central University of Kerala, India. Micronucleus test in *Drosophila*: A new, simple and reliable genotoxicity detection technique. Shilpa O, Anupama KP, Anet Antony and Gurushankara HP.

Best Innovator Award of Central University of Kerala, at AVISHKAR 2019 Organized by Innovation club of Central University of Kerala, India. Novel Peptides: Potential Anticancer and Antimicrobial Drug Candidates. Anet Antony, Shilpa O, Anupama KP, and Gurushankara HP.

Best Innovation Award, Innovation Fest 2019 Organized by Innovation club of Central University of Kerala, India. Micronucleus test in *Drosophila*: A new, simple and reliable genotoxicity detection technique. Shilpa O, Anupama KP, Anet Antony and Gurushankara HP.



# Department of Biochemistry & Molecular Biology

Head of the Department: Prof. (Dr.) D. Govinda Rao  
Programmes Offered: M. Sc. and Ph. D.

The Department has faculties in diversified allied areas of Biochemistry and Molecular Biology. The Department has One Professor, Two Associate Professors and Three Assistant Professors. The Department offers M. Sc. Biochemistry as an interdisciplinary programme through CBCS curriculum, and admits 30 students for M. Sc., and presently 21 students are working for Ph. D. in Biochemistry. The Department has well-equipped laboratories with instruments and equipment of world class nature such as HPLC, Ultracentrifuge, CO<sub>2</sub> incubators, Gradient PCR machines, Gel doc, -80°C freezers, fluorescent and light microscopes, FPLC, Real-time PCR, Spectrofluorimeter, multi-mode plate reader and Biosafety Class II Cabinet. The Thrust areas of Research include drug designing, angiogenesis, non-coding RNAs Cell signalling, protein biochemistry and molecular virology. Students are being qualified in CSIR- UGC-NET and other Academic Examinations.



Present Faculty Position									
Posts	Sanctioned		Filled up		Vacant		Total		
Assistant Professor	4		3		1		3		
Associate Professor	2		2		0		2		
Professor	1		1		0		1		

Students Enrolment									
Programme	General	SC	ST	OBC	PWD	Total	Male	Female	
MSc	7	1	1	16	0	25	5	20	
Ph.D.				1		1		1	

### Faculty Details

Prof. (Dr.) Govinda Rao Duddukuri, Professor & Head of the Department

Specialisation : Targeting immune-modulation, Inflammation and cancer by natural and synthetic bioactive compounds with a focus on inhibition of COX-2 and 5-LOX enzymes and protease inhibitors.

Dr.Rajendra Pilankatta, Associate Professor

Specialisation : RNA virus life cycle and replicative mechanisms. Virus and host cellular machinery interaction, and development and evaluation of viral diagnostics and therapeutics. The use of antiviral compounds Indian in medicinal plants to study virus replication. P-type ATPases

Dr. R. Aswathi Nair , Associate Professor

Specialisation : Plant resistance mechanisms, Oomycete pathogenesis, Chemical defense and Metabolic profiling, Endophyte mediated resistance, Biosynthetic potential of endophytes

Dr. Santosh R. Kannade (On Lein), Ph.D, Assistant Professor

Specialisation : Protein Biochemistry, Cell Signalling, Epigenetics

V.B Sameerkumar, Assistant Professor

Specialisation : Tumor biology, Endothelial cell biology, angiogenesis, functional analysis of non-coding RNA and protein engineering

Tejaswini Venkatesh, Assistant Professor

Specialisation : Cancer Genetics and Epigenetics, Cancer Biomarkers, Small ncRNAs in Cancer Biology, Cancer associated cytoplasmic granules

List of Member of Board of Studies:

Prof. D. Govinda Rao, Chairperson

External members

Prof. Annie Abraham, University of Kerala,  
Thiruvananthapuram

Prof. M S Latha, Dean of Science, Mahatma  
Gandhi University, Kottayam

Dr. Sathisha G.J., Kuvempu University,  
Shimogga

T Rajmohan, University of Kerala,  
Thiruvananthapuram

Internal members

Dr. Rajendra Pilankatta

Dr. Aswathi Nair

Dr. Tejaswini Venkatesh

Dr. K. Arun Kumar

Publications of the Faculty

Publications during 2018-19

Prof. D. Govinda Rao

K Kamalakararao ,D Govinda Rao, M Muthulingam, V K Gopalakrishnan, Zenebe Hagos,P John Dogulas, K Krishna Chaithanya 2018. Effect of isolated bioactive flavonoid apigenin 7-O- -d-glucuronide methyl ester on cyclooxygenase-2 gene expression in the breast cancer MCF-7 Cell lines Drug

- invention today vol.10 special issue 4 -2018  
ISSN:0975-7619
- K Krishna Chaithanya, VK Gopalakrishnan, Zenebe Hagos, K Kamalakararao, Patricia Ponce Noyola, P John Dogulas, D Govinda Rao 2018 Isolation and structural characterization of Bioactive Anti-inflammatory Compound Mesuaferriin A from M.Ferrea 2018 ISSN2231-1874.
- Krishna Chaithanya . K. Govinda Rao D Anti-inflammatory Activity of Bioactive Flavonoid Apigenin 7-O- -D Glucuronide Methyl Ester from Ethyl Acetate Leaf Extract of Manilkara zapota on Lipopolysaccharide induced pro-inflammatory Mediators Nitric oxide(NO), prostaglandin E2(PGE2) in Raw 264.7 cells Drug Invention Today VOL 10 issue 4 2018 ISSN:0975-7619.
- Karri Krishna Chaithanya, VK Gopalakrishnan, , Zenebe Hagos, K Kamalakararao, Zenebe Teka M, D. Govinda Rao In vitro antioxidant activities of bioactive flavonoid mesuaferriin-A from stem bark ethyl acetate extract of Mesua ferrea L. 2018 Drug invention today ISSN:0975-7619
- Dr. Rajendra Pilankatta
- Balasubramanian A, Pilankatta R, Teramoto T, Sajith AM, Nwulia E, Kulkarni A, Padmanabhan R. (2019) Inhibition of dengue virus by curcuminoids. *Antiviral Res*, 162, 71-78.
- Bayal M, Janardhanan P, Tom E, Chandran N, Devadathan S, Ranjeet D, Unniyampurath U, Pilankatta R, Nair SS. Cytotoxicity of nanoparticles - Are the size and shape only matters? or the media parameters too?: a study on band engineered ZnS nanoparticles and calculations based on equivolume stress model. (2019) *Nanotoxicology*, 23,1-16.
- K S S, Vellora Thekkae Padil V, Senan C, Pilankatta R, K S, George B, Waclawek S, ernik M. Green Synthesis of High Temperature Stable Anatase Titanium Dioxide Nanoparticles Using Gum Kondagogu: Characterization and Solar Driven Photocatalytic Degradation of Organic Dye. (2018) *Nanomaterials (Basel)*, 8(12), pii:E100
- Dr. Sameer Kumar VB
- Shereema RM, Rao TP, Kumar VS, Sruthi TV, Vishnu R, Prabhu GR, Shankar SS. Individual and simultaneous electrochemical determination of metanil yellow and curcumin on carbon quantum dots based glassy carbon electrode. *Materials Science and Engineering: C* 93:21-27.
- S. Sharath Shankar,\*Rayamarakkar M. Shereema,Vishnu Ramachandran,T. V. Sruthi,V. B. Sameer Kumar,and R. B. Rakhi. Carbon Quantum Dot- Modified Carbon Paste Electrode Based sensors for selective and sensitive determination of adrenaline. *ACS Omega*, 4, 7903-7910.
- Aswini Poyyakkara, Grace R Raji, HarithaKunhiraman, LincyEdatt, Sameer VB Kumar. 2018. ER stress mediated regulation of miR23a conferHela cells better adaptability to utilize glycolytic pathway. *J Cell Biochem*.111
- Levna Chacko\*, Aswini Poyyakkara\*, VB Sameer Kumar and PM Aneesh. 2018. MoS2ZnO nanocomposites as highly functional agents for anti-angiogenic and anti-cancer theranostics. *J Mater. Chem. B*. 6: 3048-3057
- Emmanuel Simon, P Aswini, VB Sameer Kumar &GokuldasMankadath. 2018. Curcumin and its synthetic analogue dimethoxycurcumin differentially modulates antioxidant status of normal human peripheral blood mononuclear cells, *Free Radical Research* 52(5):583-591.
- Dr. Thejaswini Venkatesh
- Shetty, A., Venkatesh, T., Tsutsumi, R., Suresh, P. S. (2019). Regulated expression of Gemin5, Xrn1, Cpeb and Stau1 in the uterus and ovaries after superovulation and the effect of exogenous estradiol and leptin in rodents. *Mol Biol Rep*, 46(2), 2533-2540.
- Alva, P.P, Prasad, R., Venkatesh, T., Suresh, P. S , Premanath, R. (2018). Increased virulence in *Pseudomonas aeruginosa* at pathological glucose levels. *Infect Dis (Lond)*, 5,1-4.
- Venkatesh, T.,Shetty, A., Chakraborti, S., Suresh, P.S. ( 2019). PTPH1 immunohistochemical expression and promoter methylation in breast cancer patients from India: A retrospective study. *J Cell Physiol*, 234(2), 1071-1079.
- Suresh, P.S., Tsutsumi, R., Venkatesh, T. (2018). YBX1 at the crossroads of non-coding transcriptome,

exosomal, and cytoplasmic granular signaling.  
Eur J Cell Biol, 97(3),163-167.

#### Books:

Sharath Shankar\*, Vishnu Ramachandran, Rabina P Raj, T. V. Sruthi, V. B. Sameer Kumar\*(2019), Carbon Quantum Dots: A Potential Candidate for Diagnostic and Therapeutic Application, Nanobiomaterial Engineering: Concepts and Their Applications in Bio-medicine and Diagnostics, Springer Publication

#### Ongoing Projects:

Dr. Rajendra Pilankatta is awarded with a project entitled "Role of copper- handling proteins in cisplatin drug resistance" funded by DBT, Govt. of India. Total amount sanctioned for the project is 25 Lakhs. Number of research students engaged in this project is One.

Dr. Rajendra Pilankatta is awarded with a project entitled "Cutaneous microbiome profiling of Psoriasis and Elephantiasis using metagenomics" funded by KSCSTE-Kerala Biotechnology Commission, Govt of Kerala. Total amount sanctioned for the project is 25.3 Lakhs. Number of research students engaged in this project is One.

Dr. Rajendra Pilankatta is awarded with a project entitled "Role of dengue viral proteins in autophagy induction" funded by DST-SERB. Total amount sanctioned for the project is 23 Lakhs. Number of research students engaged in this project is One.

Dr. R. Aswathi Nair is awarded with a project entitled "Endophytes and hairy root culture: a concerted effort for biosprospecting novel sources for the anticancer sesquiterpenoid, zerumbone" funded by DST-SERB. Total amount sanctioned for the project is 41.65 Lakhs. Number of research students engaged in this project is One.

Dr. R. Aswathi Nair is awarded with a project entitled "Development of Biopesticides. Incubator details: Kalinga Institute of Industrial Technology-Technology Business Incubator (KIIT-TBI), Bhubaneswar, Odisha" funded by BIRAC. Total amount sanctioned for the project is 49.34 Lakhs. Number of research students

engaged in this project is Two.

Dr. V.B. Sameer Kumar is awarded with a project entitled "Identification and Functional Analysis of tumor generated exosomal miRNA and elucidating its role in anti -cancer drug resistance" funded by Kerala Biotechnology Commission, KSCSTE. Total amount sanctioned for the project is 24 Lakhs. Number of research students engaged in this project is One.

Dr. V.B. Sameer Kumar is awarded with a project entitled "Profiling miRNAs Downstream of  $\alpha 4$  integrin: A strategy to target tumor angiogenesis" funded by DBT, Govt. of India. Total amount sanctioned for the project is 25 Lakhs. Number of research students engaged in this project is One.

Dr. Thejaswini Venkatesh is awarded with a project entitled "Identification and functional analysis of tRNA derived sRNAs (small non coding RNAs) in breast cancer" funded by DST-SERB, Govt. of India. Total amount sanctioned for the project is 20.8 Lakhs.

Dr. Thejaswini Venkatesh is awarded with a project entitled "Exploration of diagnostic potential of non-coding RNAs-phosphatase-Her2-UPAR crosstalk in breast cancer. (As Co-PI)" funded by DBT, Govt. of India. Total amount sanctioned for the project is 60 Lakhs.

Dr. Thejaswini Venkatesh is awarded with a project entitled "Identification and functional analysis of tRNA derived sRNAs (small non coding RNAs) in breast cancer" funded by DBT, Govt. of India. Total amount sanctioned for the project is 42 Lakhs. Number of research students engaged in this project is One.

Programmes Conducted by the Department (best 3 programmes with photo)

Invited lecture on "Eventful life of mRNA: From Birth to Funeral", Convener: Dr. Aswathi Nair, 06-02-2019

#### Other Achievement by the Faculty

Prof. Govinda Rao Duddukuri as subject expert in "Ideathon 2019", PACE, Mangaluru for selecting student projects.

Govt. of Kerala invited Dr. Rajendra Pilankatta as an expert committee member for setting up of

"Institute of Advanced Virology" of national as well as global importance.

Awarded Indian National Science Academy (INSA)-Royal Society of Edinburgh (RSE) Bilateral Exchange Program to visit Centre for Gene Regulation and Expression, University of Dundee and James Hutton Institute, Scotland, UK [7<sup>th</sup>- 20<sup>th</sup> May 2018.

Dr. Sameer Kumar was conferred the fellowship of the Kerala Academy of Science by the Honorable Governor of Kerala Rtd. Justice P. Sadasivam.

Dr. Thejaswini Venkatesh Bestowed with "Young woman" award by Venus International Foundation in March 2018

#### Students Achievements

M.Sc students				
SI NO	YEAR	NAME	AWARD	
1	2018 June	Vikky Kumar Mahto	CSIR/JRF	
2	2018 December	Lavanya V K	CSIR/JRF	
3	2018 December	Anjali Kunhi Krishnan	CSIR/JRF	
4	2018 December	Shilpa . S.U.	NET,GATE	
5	2018 June	Kamble Akshay Ashok	GATE (2019)	
6	2018 December June 2018	Aadithye Nair	CSIR/JRF,GATE	
7	April 2018	Bonagiri Anvesh	CSIR/JRF	
8	December 18	Hussain Z Kotawala	NET,GATE	

#### Ph.D Student Achievement:

Best Interactive Poster to Ms. T. Sharmila Raj for paper titled "Unveiling the multifactorial resistance mechanisms in Zingiber zerumbet against Pythium myriotylum,

necrotroph of economic significance" In International Conference on Trends in Plant Sciences and Agrobiotechnology 2019 held at Indian Institute of Technology, Guwahati [14- 16 February, 2019]

# Department of Chemistry

Head of the Department: **Prof. M.R. Prathapachandra Kurup**  
Programmes Offered: **M.Sc. & Ph.D.**

The Department of Chemistry (DC) started functioning at Tejaswini Hills, Periya with the admission of first batch of M.Sc. Chemistry students in 2013. Chemistry provides immense scope for study, research and gainful employment in various sectors and being a branch of prestigious Central University of Kerala, DC offers excellent opportunities for pursuing the Master's programme and doctoral research programme (Ph.D.). A team of dedicated faculty of the Department provides the students with rigorous instruction and training to equip them specialized in theoretical principles, experimental and analytical skills. Laboratory facilities and infrastructure match the best available elsewhere which include a variety of sophisticated analytical and spectroscopic instruments viz., Atomic Absorption Spectrometer (AAS), Fluorescence, FTIR, and UV-VIS spectrophotometers, CHNS Elemental analyzer, Gas chromatograph, Thermal system (TGA & DSC), electrochemical work stations, Muffle Furnaces, Rotary Evaporators and various other minor equipment. All together the faculties have published about 250 publications / books / patents in a highly reputed peer-reviewed international/national Journals. At present the Department is running 4 major research projects supported by DST-SERB, CSIR-EMR, Government of India.



Present Faculty Position								
Posts	Sanctioned			Filled up		Vacant	Total	
Assistant Professor	4			4		Nil	4	
Associate Professor	2			1		1	1	
Professor	1			1		Nil	1	

Students Enrolment								
Programme	General	SC	ST	OBC	PWD	Total	Male	Female
MSc	7	4	2	16	1	30	7	23
PhD	7	Nil	Nil	10	Nil	17	5	12

#### Faculty Details

Prof. M. R. Prathapachandra Kurup, Professor

Specialisations : Inorganic Chemistry

Dr. A. Sakthivel, Associate Professor

Specialisations : Inorganic Chemistry

Dr. Bini George, Assistant Professor

Specialisations : Organic Chemistry

Dr. Deepa Janardanan, Assistant Professor

Specialisations : Organic Chemistry

Dr. Ravi Kumar Kanaparthi, Assistant Professor

Specialisations : Physical Chemistry

Dr. M. Bhagiyalakshmi, Assistant Professor

Specialisations : Physical Chemistry

#### List of Member of Board of Studies:

Prof.(Dr.). M.R. Prathapachandra Kurup, Chairperson

#### External Members:

Dr. Gouri. C, VSSC, Thiruvananthapuram

Prof. Dr. Balakrishna Kalluraya, Mangalore University.

Dr. T. P. Radhakrishnan, University of Hyderabad.

Prof. Dr. T. Mohan Das, Central University of Tamil Nadu

#### Internal Member:

Dr. A. Sakthivel, CUK

Dr. Deepa Janardanan, CUK

Dr. Swapna S Nair, CUK

#### Publications of the Faculty (in the latest APA referencing style)

No.	Titles	Journal with full reference and ISSN / IBBN	SJR	SNIP
Publication of Prof. Dr. M. R. Prathapachandra Kurup				
1	A study of structural effects on linear and nonlinear response of bicompartamental Ni (II) Schiff base complexes	Nithya Mohan, Vasudevan Kuttippurath, Chandrasekharan Keloth, MR P. Kurup, Appl Organometal Chem. 2019:e4900, ISSN:1099-0739	0.590	0.70
2	"Synthesis, spectroscopy, electrochemistry, crystal structures and in vitro cytotoxicity of mononuclear molybdenum(VI) complexes incorporating tridentate ONO donor aroylhydrazone with auxillary coordination site",	T.M. Asha, M.R. P. Kurup, Inorg. Chim. Acta, 483, 2018,44-52, ISSN: 0020-1693	0.485	0.628



3	Dual responsive salen-type Schiff bases for the effective detection of L-arginine via a static quenching mechanism,	N Mohan, SS Sreejith, PMS Begum, MRP Kurup, New Journal of Chemistry 42 (15), 2018, 13114-13121, ISSN: 1144-0546	0.99	0.859
4	Synthesis and characterization of a new aroylhydrazone ligand and its cobalt(III) complexes: X-ray rystallography and in vitro evaluation of antibacterial and antifungal activities,	Nimya Ann Mathews, Anitha Jose, M.R. P. Kurup, Journal of Molecular Structure 117 (2019) 544-553, ISSN: 0022-2860	0.409	0.798
5	Synthesis, spectral characterization and crystal structures of Dioxidomolybdenum (VI) complexes derived from Nicotinoyl hydrazone,	T.M. Asha, M.R. P. Kurup, Journal of Chemical Crystallography, doi. org/10.1007/s10870-018-0756-9, ISSN: 1572-8854	0.21	0.19

Publication of Dr. A. Sakthivel

1	Amine Functionalized AFI Type microporous SAPO-5 materials: Preparation, unique solvent extraction of template and its catalytic application	J. Porous Materials (2019) 319-326; ISSN: 1380-2224	0.483	0.679
2	Rhodium-calix [4] pyrrole and rhodium-tetraphenyl porphyrin: preparation, surface grafting and their catalytic application in nitro-benzene reduction	Dalton Transactions 47 (2018), 12353-12361; ISSN 14779226, 14779234	1.31	1.008
3	Framework of ruthenium-containing nickel hydrotalcite-type material: preparation, characterisation, and its catalytic application	RSC Advances 8 (2018), 25248-25257; ISSN 2046-2069	0.99	0.95
4	Rhodium incorporated monometallic cobalt hydrotalcite-type materials: Preparation and its applications for the hydroformylation of alkenes	Appl. Catal. A. Gen: 555 (2018) 155-160; ISSN: 0926-860X	1.23	1.559
5	Amine-functionalized chabazite-type SAPO-34 as a potential catalyst for preparation of cyclic carbonate via cycloaddition of CO2 on epoxide	J. CO2 Utilization 22 (2017) 392-399; ISSN: 2212-9820	1.199	1.379

Ongoing Projects:

Name of the Investigator	Title of the project and duration	Funding Agency	Amount sanctioned
Dr. A. Sakthivel	Functionalized Nano- structured.. Applications	DST-SERB	52,06,800/-
Dr. A. Sakthivel	Grafting of organo....transformations	CSIR-EMR-II	12,00,000/-
Dr. Ravikumar Kanaparathi	Molecular Engineering ...applications	DST-SERB	20,50,000/-
Dr. Ravikumar Kanaparathi	Synthesis and photophysical... solar cells	DST-SERB	53,52,000/-
Dr. M. Bhagiyalakshmi	Exploration on bio-electrocatalytic.....processes	DST-SERB	24,36,000/-

Programmes Conducted by the Department

Dr. A. Sakthivel / Dr. M. Bhagiyalakshmi. D a t e : 14.03.2019	Invited Talk (Dr. Anoop Thomas, University of Strasbourg, France) for MSc Students on "Chemical Dynamics under vibrational Light-Mater Strong Coupling, Dr. Ravikumar Kanaparathi, Date: 23.01.2019
Invited Lecture (Prof. M.V. Rajasekharan, University of Hyderabad) for MSc Students on "Recent Advances in Chemistry" , Dr. Ravikumar Kanaparathi, Date: 13.11.2019	

Other Achievement by the Faculty

Name of the Faculty	Publications	Citations	IF range	H-index
Dr. M. R. Prathapachandra	212	4334	0.15-4	37
Dr. Sakthivel	98	2800	0-11.6	31
Dr. Bini George	06	137	0.887-2.769	04
Dr. Deepa	18	700	3.56-25.33	15
Dr. Bhagiyalakshmi	35	601	0.35-5.696	12
Dr. Ravi Kumar	22	412	0.92-6.73	10

DST-SERB Young scientist project award Dr. Ravi Kumar Kanaparthi (2013)

DST-SERB Young scientist project award Dr. M. Bhagiyalakshmi

Dr. A. Sakthivel received Dr. Sistala Kameswari Young Scientist Award by Catalysis society of India-2015

ISCAS smt. Mayadevi Juenja Endowment Medal received by Dr. A. Sakthivel by Indian Solid State Association of Chemistry & Allied Areas-2017

#### Students Achievements

Mr. Yayati Naresh Palai, M.Sc. (2018) Has Selected Ph.D. Fellowship At Hokkaido University-Japan

Yayati Naresh Palai - UGC-NET 2016-June (Rank 55), UGC NET 2017-June (Rank 50)

Ms. Sushmitha Talageri M.Sc.(2018) Selected As Research Assistant At SABIC - Petrochemical Industry-Bengaluru

Lavanya K- CSIR-JRF-2017 Dec (Rank 74)

Arsha Ramesh -SET

Shashikala K- KSCSTE, INSPIRE

Aiswarya Purushothaman- GATE, KSCSTE

Preeti Sahu- GATE

Deepak Joshy JRF, 2016

Anjuna PV NET, 2016

Roshima K JRF, 2016

Achutha A S NET, 2018

Kodali Phani Kumar JRF, GATE-2018

# Department of Computer Science

Head of the Department: Dr. Rajesh

Programmes Offered: M.Sc. & Ph.D Computer Science

The Department of Computer Science started functioning in Aug 2011 with Dr. E Balagurusamy, former Vice Chancellor, Anna University, Chennai, formally inaugurating its activities. The Department offers MSc Computer Science with specialization in Intelligent Systems. The courses are designed with the objective of equipping the students for the IT industry and for streamlining them for taking up research in Intelligent Systems. State of the art computing facilities are available in the Department. Currently the department has two labs General Computing Lab (for general computing requirements) and Signal Processing and Intelligent Systems Lab (for advanced research in Intelligent Systems). The Department also offers a PhD programme in Computer Science. Since its inception, the Department has been organizing a host of curricular and co-curricular activities aiming at the academic enrichment of the students and faculty. The ASCI (Association of Students in Computational Intelligence), the technical forum of the Computer Science students of the Central University of Kerala, functioning under the patronage and guidance of the Department of Computer Science, regularly organizes seminars, training programs, discussions and technical events for cultivation and fostering of research outlook among the students. The Department also has an IEEE student branch for mentoring the student activities and research.



Present Faculty Position								
Posts		Sanctioned		Filled up		Vacant		Total
Assistant Professor		4		3		1		3
Associate Professor		2		1		1		1
Professor		1		0		1		0

Students Enrolment								
Programme	Gen	SC	ST	OBC	PWD	Total	Male	Female
M.Sc.	8	0	1	13	0	22	11	11
Ph.D	1	0	0	2	0	3	1	2

**Faculty Details**  
Dr. Rajesh R., M.Sc., Associate Professor  
Specialisations : Computational Intelligence, Nature Inspired Computing, Image Processing  
Dr. Thasleema T.M., Assistant Professor  
Specialisations : Automatic Speech recognition, Digital signal processing  
Mr. V. Kumar, Assistant Professor  
Specialisations : Data mining, Design and analysis of algorithms, Time series analysis and forecasting  
Dr. Manohar N.S., Assistant Professor  
Specialisations : Computer Networks, Network security and Pattern matching algorithms

**List of Member of Board of Studies:**

Dr. Rajesh R., Associate Professor and Head  
Chairperson

**External Members:**

Dr. Vineeth Paleri, NIT, Calicut  
Dr. Arunkumar T., VIT, Vellore  
Dr. Manjaiah, Mangalore University  
Dr. C. Chandrasekhar, IIT Madras  
Mr. Ragesh N.K., Tata Elxsi  
Mr. Sagar Padmanabhan, Infosys

**Internal Members:**

Mr. V. Kumar, Assistant Professor  
Dr. K.A. Germina, Associate Professor

**Publications of the Faculty**

Ayshath Thabsheera, A.P., Thasleema, T.M., Rajesh, R. (2019). Lung cancer detection using CT scan images: A review on various image processing techniques. *Lecture Notes in Networks and Systems*, 43, 413-419  
Bhaskar, S., Thasleema, T.M., Rajesh, R. (2019). A survey on different visual speech recognition techniques. *Lecture Notes in Networks and Systems*, 43, 307-316  
Agarwal, S., Reghunadhan, R. (2019). Some modifications in binary particle swarm optimization for dimensionality reduction. *Advances in Intelligent Systems and*

*Computing*, 864, 205-212

Rajesh R. (2019). Sharing without losing and donation: Two new operators for evolutionary algorithm with variable length chromosome. *Advances in Intelligent Systems and Computing*, 864, 158-166  
Fasil O.K., Rajesh R. (2019). Do features from short durational segments classify epileptic EEG signals effectively?. *Proc. of IEEE Region 10 Humanitarian Technology Conference*, 1-5.  
Adithya, V., Rajesh, R. (2019). An efficient method for hand posture recognition using spatial histogram coding of NCT coefficients, *Proc. IEEE Recent Advances in Intelligent Computational Systems*, 16-20  
Fasil, O.K., Rajesh, R. (2019). Time-domain exponential energy for epileptic EEG signal classification. *Neuroscience Letters*, 694, 1-8  
Fasil O.K., Rajesh, R., Thasleema, T.M. (2018). Epilepsy region localization in signal domain A smart getup. *Proc. of the IEEE International Conference on Power, Instrumentation, Control and Computing*, 1-5  
Fasil O.K., Rajesh, R., Thasleema, T.M. (2018). Fusion of signal and differential signal domain features for epilepsy identification in electroencephalogram signals. *Lecture Notes in Networks and Systems*, 38, 127-135

#### Ongoing Projects:

Rajesh R. is awarded with a project entitled "Increasing the interest on programming among higher secondary students A study based on training higher secondary teachers in enjoyable programming" funded by PMMMNMTT. Total amount sanctioned for the project is 1.50 Lakhs

Programmes Conducted by the Department  
International Conference on Intelligent Computing and Signal Processing was conducted on 8-9th March 2019 with Dr. Rajesh R. as the General Chair

Two days training for higher secondary/high school teachers on "recent developments in Computer Science" was organized by Dr. Rajesh R. on 3 - 4 November 2018 in association with Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT)

Department of Computer Science and ASCI (Association of Students in Computational Intelligence) of M.Sc., Computer Science, Central University of Kerala has jointly organized a Workshop on "Basics of Computer Science for the school students" coordinated by Dr. Thasleema T.M. at Govt. Higher Secondary School in Periya on 29.09. 2018.

#### Other Achievement by the Faculty

Dr. Thasleema T.M. visited Qatar University for a research discussion and collaboration in the area of Signal Processing and Pattern Recognition on 12th June 2018

Dr. Rajesh R. delivered an invited talk on Genetic Algorithm as part of the seminar on Advances in Computer Science held on 4th April 2018 at Niligiri College of Arts and Science, Tamilnadu

Dr. Manohar N.S. delivered an invited talk on Computer Networks as part of the seminar on Advances in Computer Science held on 4th April 2018 at Niligiri College of Arts and Science, Tamilnadu

Mr. Kumar V. delivered an invited talk on Data Mining as part of the seminar on Advances in Computer Science held on 4th April 2018 at

Niligiri College of Arts and Science, Tamilnadu

Dr. Rajesh R., has delivered a keynote speech titled "Fuzzy Inference System" and also chaired a session in the International Conference on Next Gen Information Systems and Technologies (NGIST 18) organized by the Department of Computer Science, NSS College of Engineering, Palakkad, on 20th July 2018

Dr. Rajesh R, has delivered an invited speech in the "National Seminar on Research Issues in Computer Science" organized by NMCC, Marthandam on 1st September 2018.

Dr. Rajesh R., has participated as a resource person in the State level faculty development workshop on "Recent trends in Machine Learning" organized by Lady Doak College, Madurai, Tamilnadu on 28th September 2018.

Dr. Rajesh R., has participated as a resource person in the National Level Conf. on "Advanced Computing and Communication Technologies" organized by Siri PSG Arts and Science College, Sankari, on 29th Sept. 2018.

Dr. Rajesh R. participated and gave an invited talk in the 7th International Conference on Biomedical Engineering and Biotechnology (ICBEB 2018) during October 17-20, 2018, at Nanjing, China

Dr Rajesh R have given an invited talk in syllabus framing workshop at Angamali, Kerala on 10th Jan. 2019

Dr Rajesh R have given an invited talk in syllabus framing workshop at M.G.University, Kerala on 11th Jan. 2019

Dr. Thasleema T M, have participated in the Int. Interdisciplinary conference on "Perspective Shift" and has delivered a talk on "Introduction to Intelligent Systems" at MAMO College, Kozhikode, Kerala on 12 Feb. 2019

Dr. Thasleema T. M. have acted as a Joint coordinator in Workshop on AI and its Application - Three Days Residential Camp Organized by State Institute of Educational and Technology (SIET), in association with Central University of Kerala and KSCSTE - Kerala School of Mathematics during 15-17,

Feb. 2019

- Dr. Rajesh R. have given an invited talk in Workshop on Artificial Intelligence and its Application - Three Days Residential Camp Organized by State Institute of Educational and Technology (SIET), in association with Central University of Kerala and KSCSTE - Kerala School of Mathematics on 17 February 2019
- Dr. Manohar Naik S. have given an invited talk in the one-day National Seminar on "Recent Trends in Innovative Technologies" organized under DBT scheme at Nirmala College for Women, Coimbatore, on 19.02.2019.
- (xvi) Dr. Manohar Naik S. have engaged two sessions on "Security in Information Systems" in the Refresher Course organized by the UGC-Human Resource Development Centre, Kannur University, Kerala on 25.02.2019.

#### Students Achievements

- Adish N.K., M.Sc., Computer Science, 2015-17 Batch, presented a paper in 18th Int. Conf. on Intelligent Systems Design and Applications at Vellore Institute of Technology, Vellore, India on 06.12.2018.
- Adithaya Venugopal, presented a paper in the third IEEE Int. Conf. on Electrical, Computer and Communication Technologies (IEEE ICECCT 2019) held at SVS College of Engineering, Coimbatore, 20-22, Feb. 2019.

- Adithaya V. (Research Scholar), Adhish N. K. (M.Sc., Batch 2015-17), Aswathi Preman K. (M.Sc., Batch 2016-18), Athira T. (M.Sc., Batch 2016-18) cleared UGC NET Exam held in July, 2018
- Fasil O. K., Research Scholar, Department of Computer Science, Awarded IEEE Humanitarian Activities Committee (HAC) Conference Participation Program 2018 Travel Grant.
- Fasil O. K., Research Scholar, Department of Computer Science, Awarded 2018 IEEE Region 10 Humanitarian Technology Conference (R10-HTC) Travel grant and Scholarship by R10-HTC Committee.
- Fasil O. K, Research Scholar, have acted as a Resource Person in One Day Hands-on Workshop on Machine Learning using Python, organized by Sullumussalam Science College, Areacode, Malappuram on 20th Mar. 2019.
- Mr. Amith V. (M.Sc., Batch 2018-20), got placement offer from TCS after off campus test and interview.

#### Any other Relevant Information

Department of Computer Science have got approval for starting a IEEE Student Branch from The Institute of Electrical and Electronics Engineers (IEEE) which is an international professional association.

# Department of Economics

Head of the Department: Dr. P. Abdul Kareem  
Programmes Offered: M A & Ph.D

Brief Profile of the Department: The Department of Economics is the only department under school of Economics. The Department of Economics is actively engaged in research and teaching activities across various areas of Development Economics. The main aim of this department is to develop economically the backward area of North Malabar Region and also Kerala. The teaching faculties are specialised in various areas such as Local governance, Regional Economics, International trade, energy economics, International finance, demography and population studies, Institutional economics etc. The Department is offering M A Programme with core economic courses and various elective courses. Also, the Department is offering Ph.D Programme and the scholars are pursuing research in various important areas of economic development. Now, at present 64 M A students and 25 Ph.D Scholars are studying in the department.



Present Faculty Position								
Posts	Sanctioned			Filled up		Vacant	Total	
Assistant Professor	4			4		0	4	
Associate Professor	2			2		0	2	
Professor	1			0		1	1	

Students Enrolment								
Programme	General	SC	ST	OBC	PWD	Total	Male	Female
M A Economics (2017-,19)	08	02	01	18	-	29	08	21
M A Economics (2018-,20)	10	04	03	17	1	35	12	23
Ph.D	04	1	1	19	-	25	17	08

**Faculty Details**  
Prof.(Dr.) K C Baiju, Professor  
Specialization : Development Economics ,Public Policy and Economics Planning, Decentralized Planning and local governance  
Dr.P Abdul Kareem, Associate Professor  
Specialization :International Economics  
Dr.Anver Sadath C, Assistant Professor  
Specialization : Financial Economics, Macroeconomics, Energy and Environmental Economics  
Dr. T J Joseph, Assistant Professor  
Specialization : International Economics, Industrial Economics, Development Economics  
Dr.Syam Prasad, Assistant Professor  
Specialization : Development Economics, Health Economics  
Dr.V Nagaraj, Assistant Professor  
Specialization : Institutional Economics, Environmental Economics

List of Member of Board of Studies:  
Dr.P Abdul Kareem, Chairperson  
External Members:  
Dr. Harikumar, Professor & Head, Department of Economics, Cochin University of Science & Technology (CUSAT), Kochi-682 022  
Dr.Manju S Nair, Associate Professor, Department of Economics, University of Kerala,Kariavattom (PO), Trivandrum-695 581  
Dr. J A Arul Chellakumar, professor & Head.Dept.of Economics, Bharatidasan University of Khajamalai Camps, Trichinapally-620 023  
Dr.Viswanath, Professor, Department of Economics, University of Mangalore  
Internal Members:  
Prof.(Dr.) K C Baiju  
Dr.Syam Prasad

Details of Centers and their Academic Programmes if any:  
WTO Studies  
Coordinator Prof.(Dr.) K C Baiju  
Dalit Studies  
Coordinator Dr.V Nagaraj

Publications of the Faculty  
Dr.Anver Sadath C. Revisiting the Relationship between Oil Price and Macro Economy: Evidence from India . Economics and Policy of Energy and the Environment, 1/2018, pp. 173-190  
Dr.Anver Sadath C. Energy Poverty and Economic Development: Household-level Evidence from India. Energy and Building, 183, 2019, 785791  
Dr. Joseph T J. The Impact of Brexit on the Trade and Investment Relationship between India and



the United Kingdom. Chapter 9 in Sandeep Kaur Bhatia (ed.) *Brexit and India: Analysing the Implications*, New Delhi: New Delhi Publishers, page 105-115 (2018) (ISBN: 978-93-86453-27-3

Dr.P Abdul Kareem & Prof.(Dr.) K C Baiju. Trend, Pattern and Determinants of Manufacturing Exports in Kerala. *SPECTRUM- An International Journal of Humanities and Social Sciences* , Vol.6, Issue2, July-Dec2018

Dr. Joseph T J & Savitha K L. Efficiency of hospital waste management in Kerala: An analysis based on hospital ownership. *International Journal of Research and Analytical Reviews (IJRAR)*, Vol. 5, Issue 4, pp. 239-244, [Dec 2018] E-ISSN 2348-1269, P- ISSN 2349-5138.

Dr. Joseph T J & Jomit C P. Causal Relationship of Foreign Direct Investment, Trade and Economic Growth of Brazil. *SS International Journal of Economics and Management*, Vol. 8, Issue 5, pp. 11-23, [Sep 2018] ISSN 2231-4962.

Dr. Joseph T J & Aneesmon Cherikkakattil. Fiscal Deficit and Interest Rate in Semi-Open Economy: Recent Econometric Evidence from India. *Online International Interdisciplinary Research Journal, {Bi-Monthly}*, Vol.8, Issue 5, pp. 116-126, Sept-Oct 2018. [ISSN 2249-9598].

Gowhar Ahmad Wani and V. Nagaraj. *Mass Tourism Development and Displacement: An Examination of Indian Tourism Industry*. in *Keizai: For Whom the Bell Tolls? An Anthology of Research Papers in Economics*. Ed. by Babu P.K. and Muhammed Salim A.P. MES Mampad College. ISBN: 978-81-939574-0-0.

Gowhar Ahmad Wani and V. Nagaraj. *Conventional Tourism and Sustainable Tourism: A Case of Indian Tourism Industry*. Accepted by Department of Hospitality and Tourism Management, Jamia Millia Islamia University, New Delhi

Akhil, Antony K and Dr Syam Prasad. What's wrong with the Assessment of Nutritional Deprivation? A Tale of Rural India'. *International Journal of Economics, Commerce and Research*, Vol.7, Issue 4, pp.113-126. J. Sangeetha, D. Thangadurai, R. Hospet, E.R. Harish, P. Purushotham, M.A. Mujeeb, J. Shrinivas, M. David, A.C. Mundaragi, S.C. Thimmappa, S.B. Arakera, R. Prasad. 2017. *Nanoagrotechnology for Soil Quality, Crop Performance and Environmental Management*. In: Prasad R., Kumar M., Kumar V. (eds) *Nanotechnology*. Springer, Singapore.

#### Ongoing Projects:

Principal Investigator	Title of the Project	Funding Agency	Amount Sanctioned	Number of Research students engaged
Prof.(Dr.)K C Baiju	Training Needs and Skill Development of Migrant Women Workers in the construction sector of Kerala	ICSSR	200000/-	0
Dr.Anver Sadath C	Examination of Energy Poverty in Kerala	ICSSR	100000/-	0
Dr. Joseph T J	Transfer of Property Rights on Land and its impact on Agricultural Production in Kerala	Inter University Centre for Alternative Economics, IUCAE, Kerala University.	Rs.100000/-	1

Programmes Conducted by the Department  
Three Day International Conference on "Augmenting Tourism Infrastructure, Assurance of Quality Standards in Tourist Services and Opportunities in the Context of Sustainable Tourism in India" Organizing Secretary: Prof.(Dr.) K C Baiju, Conference Convenor: Dr. V Nagaraj, 23-25th October 2018

Sports quiz competition, Dr.Syam Prasad , 13.09.2018

Invited talk on Cyber Security: Threats and Awareness , Dr. Syam Prasad, 25.02.2019

#### Students Achievements

Darsana M S, 1st Year M A Economics Student participated in the Best Economist

competition and Won first prize conducted by ST college Changanassery, December 2018

Darsana M S, 1st Year M A Economics Student participated in the Paper presentation Competition conducted by ST college Changanassery and won 2nd prize, December 2018

Darsana M S, 1st Year M A Economics Student participated in the Speak for India Debate competition and district level winner, December 2018

Darsana M S, 1st Year M A Economics Participated in the Zonal Level Round of 'Federal Bank Speak for India- Kerala Edition 2018' a state level intercollegiate debate

competition held on 14th January 2019.

Darsana M S, 1st Year M A Economics Participated IN District Youth Parliament organized by Ministry of Youth Affairs & Sports, Government of India in Kannur district on 28.01.2019 and secured first position.

Any other Relevant Information

Three Day International Conference on "Augmenting Tourism Infrastructure, Assurance of Quality Standards in Tourist Services and Opportunities in the Context of Sustainable Tourism in India"

# Department of Education

Head of the Department: **Dr. Amruth G. Kumar**  
Programmes Offered: Two Years M.Ed

The Department of Education, under the School of Education was established in the year 2015 and is intended to develop a cadre of professionally qualified teacher educators to meet the needs and challenges of the Knowledge Society across the globe. The Department aims to promote pedagogical researches and intends to reform the teacher education programmes in the country. The Department endeavours to achieve excellence by facilitating quality based innovations in all areas of teaching learning processes. The Department emphasizes a paradigm shift to personalized instruction, multiple learning strategies and learner-centric classroom environment. The thrust areas of research include Environmental Education, Education for Sustainable Development, Instructional Designs, Curriculum Innovations, Web-Based Instruction, Inclusive Education, Value Education, Yoga Education and Multicultural Education.

The Department of Education has been awarded the MHRD's prestigious flagship programme Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) under the School of Education, Centre for Curriculum Research, Policy and Educational Development (CCRPED) and Centre for Life Skills in Education are also functioning.



Present Faculty Position								
Posts	Sanctioned			Filled up		Vacant	Total	
Assistant Professor	04			04		-	04	
Associate Professor	02			02		-	02	
Professor	01			01		-	01	

Students Enrolment								
Programme	General	SC	ST	OBC	PWD	Total	Male	Female
M.Ed.	31	04	04	19	00	58	18	40
PhD	10	01	02	07	01	20	08	12

#### Faculty Details

Dr. K P Suresh, Professor & Head

Specialization : Social Science Education, Techniques of Evaluation and Test construction, Psychometry, Teacher Education, Environmental Education

Prof. (Dr.) Amruth G Kumar, Professor

Specialization : Critical Theory in Education, Educational Psychology, Economics of Education

Prof. (Dr.) Mohamedunni Alias Musthafa, Professor

Specialization : Science Education, Teacher Education, Psychological Perspectives of Education, Research methodology, Environmental Education, Distance Education

Dr. V P Joshith, Assistant Professor

Specialization : Research Methodology & Advanced Educational Statistics, Educational Technology & ICT in Education, Psychometrics, Science Education

Dr. Mary Vineetha Thomas, Assistant Professor

Specialization : Science Education ICT in education Cooperative Learning Open Educational Resources

Dr. Thiyagu K, Assistant Professor

Specialization : Mathematics Education ICT in Education Research Methods and Statistics

Dr. Vanitha C, Assistant Professor

Specialization : Social Science Education, Special Education

List of Member of Board of Studies:

Chairperson:

Prof. (Dr.) Amruth G Kumar, Head.

External Members:

Prof. (Dr.) Manjula P Rao, Professor, Dept. of Education, RIE, Mysore

Prof. (Dr.) Haseen Taj, Professor, Dept. of Education, Bangalore University

Prof. (Dr.) Usha P, Professor, Dept. of Education, University of Calicut

Prof. (Dr.) Mumthaz Begum, Professor, Dept. of Education, Pondicherry University

Internal Members:

Prof. (Dr.) K P Suresh, Professor and Dean

Prof. (Dr.) M N Mohamedunni Alias Musthafa, Professor

Dr. K Thiyagu, Assistant Professor

Details of Centers and their Academic Programmes if any:

Activities undertaken by Centres:

Centre for Life Skills in Education

Faculty Development Programme on Curriculum and Life Skills on 29<sup>th</sup> November to 5<sup>th</sup> December, 2018 30 Faculty members attended and both theoretical and hands on experiences were given.

Six days Capacity Development Programme for Secondary Students of Govt. High School Periye in collaboration with Nehru Yuva Kendra, Kasaragod during October 2<sup>nd</sup> week - 2018, 60 Students were participated.

Centre for Curriculum Research Policy and Educational Development (CCRPED) at CUK

Centre for Curriculum Research Policy and Educational Development (CCRPED) is a research centre under PMMMNMTT, SoE. The Centre promotes pedagogical research and endeavours to achieve excellence by facilitating quality teacher education. The instructional

strategies of the department focus on personalized instruction, multiple learning strategies and learner centric classroom environment. The Department of Education is organising various academic and research programmes for the faculties at different level under the centre. Personalised skill based training is provided in the department to meet the challenging roles of teacher educators in the 21<sup>st</sup> century. The CCRPED has conducted 3 Community Sensitization Programmes, 2 Induction Training Programmes for Teachers working in Universities/Colleges/Institutes, 5-Teachers Training Workshops, 1 Faculty Development Programme, 1 Symposia, 1 Research Methodology Course during the period from April, 2018 to April, 2019. The total number of beneficiary is 505. 15 Minor Research Projects are sanctioned to Teachers working Universities/Colleges/Institutes from across the country. 35 Projects are presented by the participants of Induction Training Programme.

#### Publications of the Faculty

Prof. (Dr.) K P Suresh, Professor and Dean

Suresh, K. P., & Mathew, J. K. (2018). From educational technology to information and communication technology. *International Journal 1. of Academic Research and Development*. 3 (6) 144-145. ISSN: 2455-4197.

Suresh, K. P., & Mathew, J. K. (2018). Attitude of secondary school teachers towards using technological innovations in teaching English in class rooms. *International Journal of Academic Research and Development*. 3 (5), 201-203.

Suresh, K.P. & Abraham, P. (2018). Reflective Practice: A key to Language Education. *Educational Extract*. 6(2), 79-85

Dr. Amruth G Kumar, Associate Professor and Head

Dr. Amruth G Kumar, (2018), *Factors Relating to Information Skills: A Study among Students Pursuing Higher Education in India*, Cambridge Scholars Publishing, Lady Stephenson Library, Newcastle upon Tyne, NE6 2PA, UK.

Dr. M N Mohamedunni Alias Musthafa, Associate Professor

Musthafa, M.N.Mohamedunni Alias and Stephen, Rini E. (2018). Synoptic profile on the metamorphic path of Indian teacher education: An exploratory review on quality transformation. *Int. Journal of Research and Analytical reviews*. 2(5), 1004-1008.

Musthafa, M.N.Mohamedunni Alias and Sajila, K.M. (2018). Gauging Affective Environmental Sustainability Attributes for Calibrating Green Consumer Behaviour among Students: A Consumer Focused Approach to Sustainability in Higher Education. *Int. Journal of Asian Review of Social Science*, 1(7), 104-110.

Musthafa, M.N.Mohamedunni Alias and N.M. Shareef (2018). Need for Career Planning Downward Extension; A Critical Reflection on Indian School System. *Int. Journal of Research in Humanities, Arts and Literature*. 6(6), 451-458.

Musthafa, M.N.Mohamedunni Alias and P. Fousiya (2018). Schooling and Social Justice: A Gender Perspective. *International Journal of Social Science and Economic Research*. 6(3), 2483-2490.

Musthafa, M.N.Mohamedunni Alias and P.S. Bisini (2018). Integrating Rational Emotive Educational Model (REEM); A New Outlook to Tart up Teaching Community. *Int. Journal of Emerging Technologies and Innovative Research*. Vol. 5. 624-632.

Dr. V P Joshith, Assistant Professor

Vrinda Vijayan & Joshith. V. P (2018) "Technological Pedagogical Content Knowledge: A Framework for 21st Century Teacher Education" in the *International Journal of Research & Analytical Reviews*" (An Open Access, Peer Reviewed, Refereed, Indexed Journal), Vol. 5, Issue 3, July September 2018, ISSN 2349-5138, Impact Factor: 3.215, Cosmos Impact Factor: 4.236, Page No. 325-329, UGC Approval No. 43602.

Nikhitha Raju & Joshith. V. P (2018) "Learning Style in Relation to Cognitive Style of Prospective Teachers" in the *International Journal of Emerging Technologies & Innovative*

- Research (JETIR)" (An International Open Access, Peer Reviewed Journal), Vol. 5, Issue 10, October 2018, ISSN 2349-5162, Impact Factor: 5.87, Page No. 174-178, UGC Approval No. 63975.
- Vrinda Vijayan & Joshith. V. P (2018) "Reflection of Problem Solving Skill in Life and Mathematics Education through Modeling and Applying" in the International Journal, i-manager's Journal on Educational Psychology" (An International Open Access, Peer Reviewed Journal), Vol. 12, Issue 2, August - October 2018, ISSN 0973-8827, Impact Factor: 2.744, Page No. 1-6, UGC Approval No. 40938.
- Nikhitha Raju & Joshith. V. P (2018) "Krashen's Affective Filter in Learning English as a Second Language among Primary School Students" in the "Indian Journal of Psychology & Education (IJPE), Intellectual Foundation (India), Vol. 9, Issue 1, January 2019, ISSN 2231-1432, Page No. 43-47, UGC Approval No. 48921.
- Sidhique Aslam & Joshith. V. P (2018) "Autonomous Status to Higher Education Institutions in Kerala: Students and Teachers Perception" in the International Journal of Innovative Knowledge Concept", Sonhira Publications, Vol. 7, Issue 2, February 2019, ISSN 2454-2415, Page No. 179-184, UGC Approval No. 64094.
- Sidhique Aslam & Joshith. V. P (2018) "Higher Education Commission of India Act 2018: A Critical Analysis of the Policy in the Context of Institutional Autonomy" in the International Journal of Applied Social Science", Vol. 6, Issue 4, April 2019, ISSN 2394-1405, Impact Factor 5.734, Page No. 964-971, UGC Approval No. 62754.
- Dr. Mary Vineetha Thomas  
A Smitha and Dr. Mary Vineetha Thomas, Rejuvenating Adolescents through Critical Thinking and Problem Solving Life Skills, Journal of Emerging Technologies and Innovative Research, Vol.6, Issue 2, February, 2019, pp556-560.  
A Smitha and Dr. Mary Vineetha Thomas, A Study on Awareness of Life Skills among Post Graduate Students, International Journal of Creative Research Thoughts, Vol.6, Issue 1, March 2018 pp385-391.
- Dr. K Thiyagu, Assistant Professor  
Vijila, K. & Thiyagu, K. (2019). Revitalizing Refresher Programmes in Higher Education through Massive Open Online Courses, University News, 57(18), 20-25.  
Arun, K. & Thiyagu, K. (2019). Factors Influencing Mobile Learning Process, International Journal of Research and Analytical Reviews, 6(1), 522z-526z.  
Santhosh, T. & Thiyagu, K. (2019). Instilling Best Practices for Combating Fake Information in Cyber Spaces: A Cyber Literacy Perspective, International Journal of Multidisciplinary Research Academy, 9(2).
- Dr. Vanitha C, Assistant Professor  
Anjali Rajeevan & Vanitha. C. (2018). Information and Communication Technology for the Students with Special Needs in the Inclusive Setup in Kannur. Frontiers in Education and Research: A Peer Reviewed Bi-Annual Journal, 7(2) 7-13.  
Anjali Rajeevan & Vanitha. C. (2018). A Study on Social Skills among Students with Intellectual Disability. International Journal of Education and Research: New Frontiers in Education, 51(2), 60-64.  
Anjali Rajeevan & Vanitha. C. (2018). A Study on Social Skills among Students with Intellectual Disability. International Journal of Education and Research: New Frontiers in Education, 51(2), 60-64.
- Ongoing Projects:  
Principal Investigator, Title of the Project, Funding Agency, Amount Sanctioned, Number of Research Students Engaged
- Dr. Amruth G Kumar, Associate Professor  
Dr. Amruth G Kumar, Associate Professor, Department of Education, Central University of Kerala is awarded with a project entitled "Building a Framework for classroom Based Critical Pedagogy: Lessons from selected Teachers working in a Higher Education

institutions" funded by Indian Council of Social Science Research (ICSSR). Total amount sanctioned for the project is Rs.12,00,000/- (Rupees Twelve Lakhs).

Dr. M N Mohamedunni Alias Musthafa, Associate Professor

M.N.Mohamedunni Alias Musthafa is awarded with a project entitled " Psycho-social variables as precursors of children of women fish Wenders of Malabar " funded by ICSSR. Total amount sanctioned for the project is Rs 2 Lakh.

Dr. V P Joshith, Assistant Professor

Dr.Joshith. V.P is awarded with a project entitled "Open Educational Resources (OER) and Massive Open Online Courses (MOOC) for Professional Development of Secondary Teachers: Design and Development of an E- Learning Courseware" funded by ICSSR, the total amount sanctioned for the project is 8 Lakhs.

Dr. Joshith. V. P is awarded with a project entitled "Open Educational Resources Courseware for Teaching Chemistry at Higher Secondary Level" funded by PMMMNMTT, CUK, the total amount sanctioned for the project is 2 Lakhs.

Dr. Mary Vineetha Thomas, Assistant Professor, Department of Education

Received Minor Research Project from ICSSR entitled "Awareness and Attitude towards Electronic Waste and its Management among Post Graduate Students in Kerala" worth Rs.2,00,000/-

Received Minor Research Project entitled "Life Skills Education Programme of the CBSE Curriculum: A Critical Evaluation" worth Rs.2,00,000/- under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT), School of Education, Central University of Kerala.

Dr. K Thiyagu, Assistant Professor, Department of Education

Received Minor Research Project entitled "Whatsapp Mediated Learning Approach: An investigation of its effect on achievement and Mobile Learning Acceptance among the M.Ed. Students" worth Rs.2,00,000/- under

Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT), School of Education, Central University of Kerala.

Received Minor Research Project entitled "Developing Online Training Module on E-assessment in Education for the Professional Development of Teacher Educators" worth Rs.2,00,000/- under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT), Central University of South Bihar Gaya, Bihar.

Dr. Vanitha C, Assistant Professor, Department of Education

Research Project entitled "Curriculum offered for the students with intellectual disabilities in the special schools of Kasaragod" has been sanctioned by the Centre for Curriculum Research Policy and Educational Development, PMMMNMTT, School of Education, Central of University of Kerala. Total amount sanctioned was Rs.1,35,000/-.

Programmes Conducted by the Department  
Invited Lecture on "Choice Based Credit System" by Prof. (Dr.) R G Kothari, Former Vice-Chancellor, M.S University, Vadodara, Gujarat, at Department of Education, Central University of Kerala held on 28.09.2018.

Workshop on "Digital Learning and Curriculum Transaction" (Community Sensitization Programme) at St. Albert's College, Ernakulam held on 15.02.2018 to 17.02.2018.

Induction Training Programme for Teachers working in Universities/Colleges/Institutes held on 05.09.2018 to 04.10.2018.

Other Achievement by the Faculty

Dr. Amruth G Kumar, Associate Professor, Department of Education, Central University of Kerala has attended the counting duty of 01 Kasaragod HPC held on 23/05/2019 at Nehru Arts and Science College, Kanhangad.

Dr. Amruth G Kumar, Associate Professor, Department of Education, Central University of Kerala has handled session on "Quality Perspective in Curriculum Transactions" on

18/05/2019 for Short Run course on Professional Development for Faculty in Sciences and Social Sciences conducted from 15/05/2019 to 21/05/2019 at MHRD-LTC, Department of Education, University of Calicut.

Dr. Amruth G Kumar, Associate Professor, Department of Education, Central University of Kerala has handled 4 sessions on the topics "Critical Pedagogy, Constructivist, teaching for Learning and hand" on 26<sup>th</sup> and 27<sup>th</sup> April, 2019 in 4<sup>th</sup> Induction Training Programme (from 05<sup>th</sup> April, 2019 to 4<sup>th</sup> May, 2019) organized by Faculty Development Centre, under the scheme of PMMMMNMTT, MHRD at Banasthali Vidyapith, Rajasthan

Dr. Amruth G Kumar, Associate Professor, Department of Education, Central University of Kerala has participated in the National Conference on Education for the Knowledge Society: Opportunities & Challenges" dated 7-9 March, 2019 and Panelist and sub theme, titled "Research and Innovation for Knowledge Culture" under PMMMMNMTT scheme of MHRD, Govt. of India held at CTE, CIHTS, Saranath, Varanasi.

Dr. Amruth G Kumar, Associate Professor, Department of Education, Central University of Kerala has participated as External Examiner for the adjudication of Ph.D Preliminary Qualifying Examination (POE) of Smt. Smitha .P, and Smt. Usha PV, Research Scholars, SPS Kannur University on 06/04/2019 at School of Pedagogical Sciences, Dharmasala, Kannur University.

Dr. Amruth G Kumar, Associate Professor, Department of Education, Central University of Kerala has handled session on "Quality Perspective in Curriculum Transactions" on 23/03/2019 for Short Run course on Professional Development for Faculty in Sciences and Social Sciences conducted from 22/03/2019 to 28/03/2019 at MHRD-LTC, Department of Education, University of Calicut.

Dr. Amruth G Kumar, Associate Professor, Department of Education, Central University of Kerala has served as Resource Person in the Short Term Courses on Soft Skills Development for Assistant/ Associate Professors being conducted by the HRDC from 19/03/2019 to 25/03/2019 at Calicut

University campus.

- ❖ Since 2016, Dr. Amruth G Kumar, Associate Professor, Department of Education, Central University of Kerala serving as Project Head of the PMMMMNMTT scheme by MHRD, Govt. of India at Central University of Kerala.
- ❖ Dr. M N Mohamedunni Alias Mustahfa, Associate Professor has received a national award- National Accomplished Teacher Educator Award- 2018' of Council for Teacher Education (CTE)
- ❖ Dr. V P Joshith has nominated to the Senate of Cochin University of Science and Technology (CUSAT) Kalamasserry, Ernakulam.
- ❖ Dr. V P Joshith as Course Coordinator for the UG MOOCs on Curriculum and Pedagogy of Teaching Physical Science in the SWAYAM Platform.
- ❖ Dr. Mary Vineetha Thomas has acted as Resource Person for Induction training programme for Teachers working in Universities/Colleges/Institutes under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, Central University of Kerala, 27th March, 2019.
- ❖ Dr. Mary Vineetha Thomas has acted as Resource Person for Community Sensitization Programme on Cybergogy: Excite, Engage and Enrich Learning under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, Central University of Kerala at Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore, 23rd January, 2019
- ❖ Dr. Mary Vineetha Thomas has acted as Resource Person for Induction training programme for Teachers working in Universities/Colleges/Institutes under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, Central University of Kerala, 1st October, 2018
- ❖ Dr. Mary Vineetha Thomas has acted as Resource Person for Video lectures for the course "Learning Science at Upper Primary Level" for Diploma in Elementary Education programme at National Institute of Open Schooling, New Delhi, 6th-7th September, 2018
- ❖ Dr. K. Thiyagu has acted as a resource person in the United Board Sponsored National Level Workshop on Recent Technological



- Innovations in National Level Workshop on Developing MOOC through SWAYAM organized by the Department of Education, Kuvempu University, Shankarghatta, Shivamogga District, Karnataka on 08.01.19 & 09.01.19
- ❖ Dr. K. Thiyagu has acted as a resource person in the Short Run Course on Curriculum Designing for Faculty in Education conducted by MHRD-TLC, Department of Education, University of Calicut on 10.01.19
  - ❖ Dr. K. Thiyagu has acted as a resource person in the Community Sensitization Programme on Cybergogy: Excite, Engage and Enrich Learning Organised by CCRPED under PMMMNMTT, School of Education, Central University of Kerala at Department of Education, Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore on 24.01.19
  - ❖ Dr. K. Thiyagu has acted as a resource person in the National Level Seminar on Quality Assurance in Value Education organized by PSNL College of Education, Sattur, Virudhunagar District, Tamilnadu on 30.01.19
  - ❖ Dr. K. Thiyagu has acted as a resource person in the National Seminar on Technology Enabled Learning (NSTEL-2019) organized by Center for Curricular Research, Policy and Educational Development, SoE, Under the Scheme of PMMMNMTT, The Gandhigram Rural Institute, Gandhigram, Tamilnadu on 08.02.19
  - ❖ Dr. K. Thiyagu has acted as a resource person in the ICSSR Sponsored 10 day 'Research Methodology Course for Ph.D. Students in Social Sciences' organized by Women's Studies Centre & Department of Teacher Education, Nagaland University, Kohima Campus, Meriema, Nagaland on 25.02.19 to 26.02.19
  - ❖ Dr. K. Thiyagu has acted as a resource person in the National Seminar on Performing and Reforming in Teacher Education for Social Changes organized by KSR College of Education, Tiruchengode, Namakkal, Tamilnadu on 08.03.19
  - ❖ Dr. K. Thiyagu has acted as a resource person in the UGC Sponsored National Level Workshop on ICT as a Tool of Quality Teaching in Higher

Educational Institutions organized by IQAC, Pope's College (Autonomous), Sawyerpuram, Thoothukudi District, Tamilnadu on 09.03.19

Dr. K. Thiyagu has acted as a resource person in the United Board Sponsored National Level Workshop on Recent Technological Innovations in Teaching, Learning and Evaluation for Quality Higher Education organized by Research Committee, Nesamony Memorial Christian College, Marthandam, Tamilnadu on 18.03.19

Dr. K. Thiyagu has acted as a resource person in the Workshop on MOOCs E-content Development and Open Educational Resources organized by UGC-Human Resource Development Centre, Kannur University, Kerala organized by Research Committee, Nesamony Memorial Christian College, Marthandam, Tamilnadu on 23.03.19.

Dr. Vanitha. C served as a Joint Coordinator for the Community Sensitization Programme on "Teaching with Technology" Organised by Centre for Curriculum Research, Policy and Educational Development, Pandit Madan Mohan Malavia National Mission on Teachers and Teaching (PMMMNMTT) under School of Education, Central University of Kerala in 22<sup>nd</sup>, 23<sup>rd</sup> and 24<sup>th</sup> March, 2018.

Dr. Vanitha. C served as a Resource Person, on topic entitled "Stepping towards Inclusive Education" in the Induction Training Programme for Teachers Working in Universities/Colleges/Institutes organized by Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, School of Education, Central University of Kerala on 13<sup>th</sup> March, 2019.

Dr. Vanitha. C appointed as Question Paper Setter, to set question paper for IV semester M.Ed Degree Examination, 2018 and Third semester M.Ed Degree Examination, 2019 of the University of Kerala, Thiruvanthapuram, Kerala.

Dr. Vanitha. C appointed as an external examiner for evaluating three Ph.D thesis as such as,

1. Ph.D thesis in Education entitled on "Kannada Bhasha Koushala Mattu Kannada Bhasha Manobhavavannu Belesuvalli Ganakayantradharitha Bahumadhyama

Saamagriya Parinaama” by Nayak Deepti, St. Ann's College of Education (Autonomous), Mangalore University, Mangalore, 2018.

2. Ph.D thesis in Special Education entitled on “Developing Functional Assessment Scale for Educational Programming of Children with Intellectual Disability in Yemen” by Tameem Yahya Ali Mohammed, Ramakrishna Mission Vivekananda Educational and Research Institute, Coimbatore, 2018.
3. Ph.D thesis in Education entitled on “Effectiveness of Peer Tutoring on Achievement in English Language in terms of Self Reliance and Interest in English Language of VIII STD Students in Kancheepuram District” by M. Marieswari, SRM Institute of Science and Technology, Kancheepuram, 2018.

Dr. Vanitha. C. Participated in the Research Methodology Course on Educational Research Methods and Data Analysis using IBM SPSS, AMOS, & 'R' organized by CCRPED, PMMMNMTT, School of Education, Central University of Kerala from 3<sup>rd</sup> April 2019 to 9th April 2019.

#### Students Achievements

Three Students of the Department has qualified JRF and Five Students have qualified UGC NET in the examination. The students who have brought laurels to the Department are:

#### UGC JRF

Sameer P M (JRF) (2017-19 Batch)

Reshma Varghese (JRF) (2015-17 Batch)

Ashalatha S (JRF) (2015-17 Batch)

#### UGC NET

Athira C (NET) (2017-19 Batch)

Ataur Rahaman (NET) (2017-19 Batch)

Aswathi (NET) (2018-20 Batch)

Nirmala A (NET) (2018-20 Batch)

Pratiksha C Shirodkar (NET) (2015-17 Batch)

#### Any other Relevant Information

Prof. (Dr.) K P Suresh

Advisory member to Inter University Centre for Teacher Education, Department of Higher Education, MHRD, Gol, New Delhi for RIE, NCERT Mysuru.

Advisory member to National Resource Centre

(NRC) to the IUCTE, RIE, NCERT, Mysuru.

Expert member for On-spot Inspection of Deemed-to be Universities UGC On-spot Inspection Committee.

Member to the Court of Central University of Tamil Nadu as Visitor's nominee.

Member to the Board of Studies in Education in The English and Foreign Languages University, Hyderabad.

Member, Board of Studies in Education, Tamil Nadu Teachers Education University, Chennai.

Member, Board of Studies in Education, Bharathiyar University, Coimbatore.

Member, Board of Studies in Education, Gandhigram Rural Institute (Deemed to be University as a Central University of MHRD), Dindigul).

UGC Nominee to the Governing body of Autonomous colleges.

Participated as Expert in National Consultation Workshop on Nai Talim & Work Education through Community Engagement organized by Mahatma Gandhi National Council of Rural Education (MGNCRI) Hyderabad.

Participated as Expert in Workshop on Recruitment and Shortage of Teachers in Higher Education, organized by NIEPA.

Participated as Expert in Workshop on A Study of Global Citizenship in the Secondary Schools of India, organized by Planning and Monitoring Division (PMD), NCERT at New Delhi (27 to 29<sup>th</sup> Aug 2018).

Dr. M N Mohamedunni Alias Musthafa

A MOOC in SWAYAM platform of MHRD- *Curriculum Designing and E-content*

*development* was launched under the

scheme ARPIT as the Co-coordinator of NRC, CU Kerala.

Dr. Mary Vineetha Thomas

Developed and presented a module for Online Refresher Course Curriculum Design and e-content development offered by National Resource Centre-Central University of Kerala under Annual Refresher Programme in Teaching (ARPIT) by MHRD.

# Department of English & Comparative Literature

Head of the Department: **Dr. Joseph Koyippally, Dr. Prasad Pannian,  
Dr. Asha S HoD (I/c)**

Programmes Offered: M.A and Ph. D.

The Department of English & Comparative Literature (DE&CL) was established as the first department in the Central University of Kerala (CUK) on 12 October 2009. DE&CL offers an MA (English and Comparative Literature) and a PhD (English & Comparative Literature) programme, keeping in line with the interdisciplinary vision of the university. Its two associate professors and four assistant professors have rich academic experience from different universities in India and abroad. In 2019, it had 73 MA students and 29 PhD students on rolls. Twenty DE&CL PG students qualified in NET/JRF in the discipline in the UGC NET/JRF examinations in the period under report. DE&CL also has three centres attached to it: Centre for Criticism & Theory, a Centre for Translation Studies and Centre for Cinema & Screen Studies. The Department won CUK's first GIAN workshop in 2017 and is running two UGC MOOC courses from 2019. At present, research is being carried out in the following areas: Alternative Modernities, Anthropocene, Comparative Literature, Creative Writing, Critical Theory, Cultural Studies, Culture and Critical Theory, Disability Studies, Everyday Life, Film and Media Studies, Gender Studies, Life Writing, Malayalam Literature and Pedagogy, Poetry, Postcolonial Theory, Posthumanism, Self and Subjectivity, Semiotics, Shakespeare, Theatre and Performance Studies, Translation Studies, Women and Islam, Women and Writing and Nationalism & Post-Truth.



Present Faculty Position								
Posts	Sanctioned			Filled up		Vacant	Total	
Assistant Professor	4			4		0	4	
Associate Professor	2			2		0	0	

Students Enrolment								
Programme	General	SC	ST	OBC	PWD	Total	Male	Female
MA	26	10	4	33	3	73	11	62
PhD	18	1	1	7	0	29	8	19

**Faculty Details**

Dr. Joseph Koyippally Joseph, Associate Professor  
Specialization : Shakespeare, Semiotics

Dr. Prasad Pannian, Associate Professor  
Specialization : Critical Theory

Dr. Vellikkeel Raghavan, Assistant Professor  
Specialization : Drama, Film

Dr. Asha S, Assistant Professor  
Specialization : Fiction, Women in Islam

Dr. Shalini M, Assistant Professor  
Specialization : Comparative Literature,

Dr. Eftthikar Ahamed, Assistant Professor  
Specialization : Poetry, Translation

List of Member of Board of Studies:

- Dr. Ravishankar Rao, Professor of English, Mangalore University
- Dr. B Hariharan, Professor of English, University of Kerala
- Dr. MH Rudramani, Professor of English, University of Mysore
- Dr. Ram Binod Ray, Asst. Professor
- Dr. Joseph Koyippally Joseph, Assoc. Professor
- Dr. Prasad Pannian, Assoc. Professor
- Dr. Vellikkeel Raghavan, Asst. Professor

DE&CL has three centres attached to it:

Centre for Criticism & Theory (Coordinator: Dr. Prasad Pannian)

Centre for Theory & Criticism (CT&C ) was established at the Department of English & Comparative Literature in 2017 with a move to cater to the theoretical imagination of students and scholars across the country. As we live in the midst of anti-intellectual, unreasonable excesses and lack of affective intensities in our country, t CT&C would ascertain its formidable yet inclusive and affiliative intent to define itself not simply as a

tool or frame but as means and ways of praxis in the society through its efforts to rethink Critical Humanities. While recognizing the fact that literature itself can be theoretical, CT&C invariably believes in the creative energy and potential of Theory and perseveres to promote mutually reciprocal and affective relationalities with the human and non-human beings in the world.

CT&C is planning to organize short term Summer / Winter schools for graduate students, and Faculty Development Programmes for Junior Teachers across the country in the near future. The following are some of the major events organized by CT&C.

Centre for Cinema & Screen Studies (Coordinator: Dr. Vellikkeel Raghavan)

CC&SS, with the motto "Transdisciplinarity and Transspatiality in Visual Culture Studies" aims to promote academic documentation, study and research into the various socio-cultural, political and institutional dimensions of Cinema, Television and other visual cultural practices across the globe, with a special focus to the Indian scenario. It aims to

collaborate with similar institutions, professional bodies and other organizations and develop and conduct Short term Summer Courses, Workshops, Seminars on the thrust area in collaboration with similar institutions within India and abroad; initiate and carry out independent research projects and projects with financial support by governmental and other agencies; launch academic publications in the form of research papers, monographs, books and other audio/ video and virtual materials; launch an international journal dedicated to the area of Cinema and Visual Culture; organize Screenings, Film Festivals, Invited lectures, and Theoretical debates so as to create a platform for intellectual engagement to serve the vision of the centre; and collect, document, and to archive digital and material objects, related to the area.

#### Activities undertaken by Centres:

Prof. Gayatri Chakravorty Spivak (University Professor in the Humanities, Columbia University in the City of New York) gave a Lecture-Seminar on "Margins and Marginalities" inaugurating the academic activities in the new building of the Department of English & Comparative Literature on 4 September 2018. The event was jointly organised by Centre and the Department in collaboration with the Kerala State Higher Education Council.

The lectures given at CT&C can be accessed through the YouTube Channel of CT&C:

Public Lecture, Prof. Gayatri Chakravorty Spivak (University Professor in the Humanities, Columbia University in the City of New York), "Margins and Marginalities" Coordinator. Dr. Prasad Pannian. 4 Sept. 2018. The lecture is available on <https://www.youtube.com/watch?v=SessF1WOWwc&t=75s>

Public Lecture by Prof. E.P. Rajagopalan

Prof. E.V. Ramakrishnan: [https://www.\\_youtube.com/watch?v=EoC9DCmjV7E&t=1196s](https://www._youtube.com/watch?v=EoC9DCmjV7E&t=1196s)

#### Centre for Cinema and Screen Studies

The Centre for Cinema and Screen Studies (CC&SS), attached to the Department of

English and Comparative Literature, is coordinated by Dr. Vellikkeel Raghavan. CC&SS was inaugurated by Sri Adoor Gopalakrishnan on 6 February 2019.

CC&SS organized an Adoor Gopalakrishnan Film Festival in CUK on 4 and 5 February 2019 screening *Anantaram*, *Elippathayam*, *Nizhalkkuthu* and *Vidheyam* in preparation for the inauguration. Sri. G. B. Valsan, film society activist, spoke on "Cinema Days of Kasaragod", and Dr. Ajay S. Sekhar, Sree Sankaracharya University of Sanskrit, spoke on "Cinemas of Compassion: Certain Shifts in Kerala Cinema". *Sukhantyaam* (A Happy End), the latest film of Sri. Adoor, was also screened to a 250 odd audience who attended the inaugural ceremony.

#### Publications of the Faculty

##### Journals:

Ahamed B., Eftthikar (2017) "Digital Tattooing and the Body Carnavalesque - an Ethnocreational Contrivance", *Humanities Circle* Vol. 5. Issue 02, 2017 (publ. in 2019). 139-144. ISSN 23218010

Ahamed B., Eftthikar (2018). *R.S. Thomas the Bard of Wales*, Lambert Academic Publishing, Frankfurt: Germany (ISBN: 9786139929399)

Ahamed B., Eftthikar (2018). *The Pride March*. Dattsons, Nagpur: India (ISBN: 9788171921669)

Asha S (2018). "(Islamika) Streevaadam: Muslim Sanghatanakalude Pariprekshyathil", *Malayalam Research Journal*, 11(3) ISSN. - 0974-1984

Asha S (2019). "Critiquing Camus, Denouncing Islamism: Kamel Daoud's The Mersault Investigation as Double-edged Postcolonial Re-writing", *Literary Endeavour*, 10(2), 261-268, ISSN. 0976 299X

Joseph, Koyippally Joseph. (2018) 'Preface', in Qazi Muhammad, *Fathul Mubeen*, (Tr.) Gazali Vakery. (7-16. Kerala Book Trust. 93-87014-54-1

Pannian, Prasad (2018). "Anustanaaththil ninnu rastreeyathilekku" From Ritual to Politics *Navamalayali*

##### Ongoing Projects:

Dr. Joseph Koyippally is awarded with a grant to

develop a MOOC Course entitled "Shakespeare Across Cultures" funded by UGC/MHRD. The total amount sanctioned for the project is 13.5 lakh.

Dr. Vellikkeel Raghavan is awarded with a grant to develop a MOOC Course entitled "Film Studies" funded by UGC/MHRD. The total amount sanctioned for the project is 13.5 lakh.

Programmes Conducted by the Department  
Public Lecture by Prof. Ambikasuthan Mangad, Malayalam Novelist and Environmental activist

Other Achievement by the Faculty

Dr. Prasad Pannian won Edward W. Said Fellowship (2019) instituted by the Society of Fellows and Heyman Centre for the Humanities at Columbia University in the City of New York.

Any other Relevant Information

Extension Activities

Dr. Joseph Koyippally, Member Faculty Selection Board as VC's Nominee. Malankara Syrian Catholic Colleges, Pattom, Thiruvananthapuram (17 Apr. 2018); Christian College, Chengannur (05 Mar. 2019).

Dr. Joseph Koyippally, PG Examiner (Mangalore University), MPhil Examiner (Calicut University, Sree Sankara University of Sanskrit); PhD Examiner (MG University, Kerala University, Jawaharlal Nehru University); PhD Viva Voce examiner (MG University, Calicut University).

Dr. Joseph Koyippally coordinated the motivational visit of faculty and students to CUK. Govt. Arts and Science College, Ollur (16-01-2019); Government College, Pathiripapala, Palakkad (08-03-2019).

Dr. Joseph Koyippally, Academic Staff College Lectures. "Diaspora Studies and Kerala", Refresher Course in English, Calicut University (08.03.2019); "Encashing Nostalgia: Kerala and its Diaspora", Refresher

Course in English, Calicut University, (11.03.2019); "What is 'Indian' in Indian Literature", Orientation Course, Kannur University, (31.12.2018)

Dr. Joseph Koyippally inaugurated English Club/Associations of Government College, Vidyanagar, Kasaragod; Beja College, Mooliyar, Kasaragod; NAHER College, Kanjirode, Kannur.

Training

Dr. Joseph Koyippally. UGC-MOOCs E-Content Hands-on Training Certificate (IIM Bangalore 15-16.10.2018)

Invited Paper Presentations

Dr. Joseph Koyippally. Keynote address "Capital, Imagination and Post-Truth Ecology: Paradise Discourses Across Literature" (UGC-National Seminar on *Capitalist Politics and Ecology in World Literature*, SSUS Trivandrum Centre, 06.04.2018); "Translation of Goat Days and Diaspora Literature from Kerala" (State seminar on *Translation and Malayalam*, NAHER College, Kanjirode, Kannur. 12.12.2018); "Methodology and Purpose of Translation with reference to *Goat Days*" (*Translation Workshop*, Green Books, Ayyanthole, Thrissur (15.12.2018); "Representation and Reality: The Trajectory of Diaspora Discourses" *International Colloquium*, 19.02.2019, MOMA College, Makkam, Malappuram; "Targets and Methodology in Research" (UGC National Seminar on *Research. Target, Methodology and Practice*, IQAC, Government College, Malappuram. 02.2019); "Encashing Nostalgia: India and its Diaspora" (National Seminar *Kerala Studies: Development Ahead*, School of Gandhian Studies, MG University. 27.02.2019); "Translation of Short Stories" (National Seminar *Kathantharanga*, CUK-Sahitya Akademi. 13.03.2019); "Shakespeare and Multiculturalism", UGC National Seminar on *Multiculturalism and Expressions*, SSUS, Kalady (28.03.2019).

# Department of Environmental Science

Head of the Department: Prof. (Dr.) Muthukumar Muthuchamy  
Programmes Offered: M. Sc., Ph.D

The department envisages doing transformative and innovative research in the interdisciplinary fields of environmental science and technology. The department would, in the time to come, align and work towards sustainable development goals of the nation. The faculty have diverse research interests and are well-known scientists in their field of interest with international exposure and acclaim. The core emphasis of the department is in Environmental Chemistry, Ecology, Climate Change, Renewable Energy, Environmental Biotechnology and Microbiology, Environmental Impact Assessment and Environmental Engineering.

The faculty practice novel teaching methods and assess students based on their overall development. The department thrives to organize regular field-work, co-curricular and extension activities to give students a holistic exposure. The faculty encourage students to take up opportunities in their sector of interest, giving equal and special emphasis to each of the various options available to the students of Environmental Science. The students can also advantage of various associations and organizations which operate out of the department like Placement Cell, Alumni Association and Prakruti an eco-club.





Present Faculty Position									
Posts	Sanctioned			Filled up		Vacant		Total	
Assistant Professor	4			4		0		4	
Associate Professor	2			0		2		2	
Professor	1			1		0		1	

Students Enrolment									
Programme	General	SC	ST	OBC	PWD	Total	Male	Female	
M.Sc.,	12	5	1	10	-		4	24	

Faculty Details									
Prof. (Dr.) Muthukumar Muthuchamy, Professor and Head									
Specialization : Water and Wastewater Treatment, Renewable Energy, Climate Change Modelling									
Dr. Rishiram Ramanan, Assistant Professor									
Specialization : Microbial Ecology, Environmental Biotechnology, Bioenergy, Environmental Sustainability & Climate Change									
Dr. K. Sowjanya Sree, Assistant Professor									
Specialization : Crop pest management (Insect molecular toxicology), Duckweed biology and applications (Duckweed plant Systematics (morphological and molecular), Ecology, Stress Physiology, Flowering, Biotechnology)									
Dr. J. Sangeetha, Assistant Professor									
Specialization : Environmental Toxicology, Environmental Microbiology, Environmental Biotechnology									
Dr. S.Anbazhagi, Assistant Professor									
Specialization : Environmental Microbiology and Biotechnology									

#### List of Member of Board of Studies

Dr. Muthukumar Muthuchamy, Professor and Head	Chairperson
Dr. A.G. Devi Prasad, Professor (Subject Expert)	Member
Dr. G. Annadurai, Professor (Subject expert)	Member
Dr. D.S. Jaya, Professor (Subject Expert)	Member
Dr. N. Nandhini, Professor (Subject Expert)	Member
Dr. Ranjith Kumavath, Assistant Professor (other Department)	Member

#### Publications of the Faculty

Ramya Thangamani, Muthukumar Muthusamy, Premkumar Manickam Periyaraman, Amudha Thanarasu, Thiruselvi Devaraj, Anuradha Dhanasekaran & Subramanian, Sivanesan, "Advance electrochemical oxidation of fipronil contaminated wastewater by graphite anodes and sorbent nano hydroxyapatite", Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, 41:7, 866-880 (2019), DOI: 10.1080/15567036.2018.1520365	the Genus Wolffia (Lemnaceae) as Human Food. <i>Frontiers in Chemistry</i> , doi:10.3389/fchem.2018.00483
Appenroth, K-J., Sree, K.S., Bog, M., Ecker, J., Seeliger, C., Boehm, V., Lorkowski, S., Sommer, K., Vetter, W., Tolzin-Banasch, K., Kirmse, R., Leiterer, M., Dawczynski, C., Liebisch, G., & Jahreis, G. (2018). Nutritional Value of the Duckweed Species of	Edelman, M., Appenroth, K-J., & Sree, K.S. (2018). Duckweeds: Biological chemistry and applications. <i>Frontiers in Chemistry, Switzerland</i> .
	Anbazhagi Muthukumar Shilpa V Muthukumar Muthuchamy (2018). Green Energy Recovery from Food Waste Using Microbial Fuel Cell - A Mini Review. <i>CPQ Nutrition</i> , 1(5), 01-21.
	Gupta P D Anbazhagi Muthukumar (2018) "Minor to Chronic Eye Disorders Due to Environmental Pollution: A Review <i>Journal of Ocular Infection and Inflammation</i> , 2:108
	Anbazhagi Muthukumar Sujina Shilpa V Sujna Munthikote (2018) Role of Light Emitting Diode



in Food Industry Cient Periodique Nutrition, 1(2),01-09

Alagappan CI, Shivekar SS, Brammacharry U, Kapalamurthy VRCl, Sakkaravarthy Anbazhagi, Muthaiah M (2018) Prevalence of mutations in genes associated with isoniazid resistance Mycobacterium tuberculosis isolates from retreated smear positive pulmonary tuberculosis patients: A Meta-analysis. Journal of Global Antimicrobial Resistance. Volume 14,253259.

#### Ongoing Projects:

Prof. (Dr.) Muthukumar Muthuchamy is awarded with a project titled "Climate change adaptation strategies for Biodiversity conservation in Western Ghats, India" funded by SERB. Total amount sanctioned for the project is INR 28,07,200.00 from 2016-20.

Prof. (Dr.) Muthukumar Muthuchamy is awarded with a project titled "Spatial distribution of Uranium and associated water quality parameters in ground water/drinking water of Coimbatore, Erode, Tiruppur and The Nilgiris district of Tamilnadu" funded by BRNS, DAE. Total amount sanctioned for the project is INR 26,97,300.00 from 2018-20.

Prof. (Dr.) Muthukumar Muthuchamy is awarded with a project titled "Production and Utilization of Wind energy from Central University of Kerala Campus" funded by the Central University of Kerala. Total amount sanctioned for the project is INR 1,27,500.00 from 2018-20.

Dr. K. Sowjanya Sree is awarded with a project entitled "Transcriptional responses of Helicoverpa armigera to the insecticidal mycotoxin, Destruxin" funded by Indo German Science and Technology Center and Max Planck Gessellschaft. Total amount sanctioned for the project is INR 3,00,000.00 and Euro 12,000.00 from 2015-19.

Dr. K. Sowjanya Sree is awarded with a project entitled "Flowering and seed set in Wolffia microscopica, one of the smallest angiosperms, in response to environmental signals" funded by University Grants Commission. Total amount sanctioned for the project is INR 10,00,000.00 from 2017-19.

Dr. S. Anbazhgi is awarded with a project titled "Design of a UV-LED disinfection module for household

refrigerators for the simultaneous inactivation of foodborne pathogens and shelf life extension of fresh produce- A novel technology for food industry" funded by Department of Science and Technology. Total amount sanctioned for the project is INR 31,96,000.00 from 2015-18.

Dr. S. Anbazhgi is awarded with a project titled "Nano scale detection of potentially bio accumulative and toxic Per- and polyfluoroalkyl (PFA) substances in water resources " funded by University Grants Commission. Total amount sanctioned for the project is INR 10,00,000.00 from 2018-20.

Programmes Conducted by the Department World Tourism Day with poster exhibition on "Ecotourism and digital transformation" and invited talk on "Sustainable tourism and digital transformation" organized by Dr. K. Sowjanya Sree from 27.09.2018 to 28.09.2018

Short film screening on "New insights into the effects of climate change" organized by Dr. K. Sowjanya Sree on 04.02.2019 and 05.02.2019.

Organised One day Workshop on "Thesis and Paper Writing Skills" for the Ph.D scholars on 06.03.2019 with the collaboration of PMMMNMTT. Prof. (Dr.) Raman, Professor, Ecological Agriculture and Sustainable Land Management, Charles Sturt University, Orange, New South Wales, Australia and Dr. Sreenath Subramanyam, Director, Institute of BioEcoScience, USA were the resource persons for the programme.

Organised One day Workshop on "Ph.D Supervision skills" for the young faculties on 07.03.2019 with the collaboration of PMMMNMTT. Prof. (Dr.) Raman, Professor, Ecological Agriculture and Sustainable Land Management, Charles Sturt University, Orange, New South Wales, Australia was the resource person.

#### Other Achievement by the Faculty

'Best Oral Presentation Award' at International Conference on Agriculture, Animal Sciences and Food Technology (ICAFT) 2018 organised by Universiti Sultan Zainal Abidin (UniSZA) Gong Badak Campus, Terengganu, Malaysia between (October 30-31, 2018).

# Department of Genomic Science

Head of the Department: **Dr. A. Manickavelu**  
Programmes Offered: **M.Sc. & Ph.D.**

The department was established in 2010 with the vision of leading a centre of excellence for Genomics education and research. The family consisted of six permanent faculties, one technical assistant and one office staff. As the department emphasizing on research-based teaching, the basic and advance facilities for doing research on molecular genetics and genomics are available to all students and scholars. The syllabus will be revised soon to add the recent advancement in genomics. As the faculties are from various research expertise with abroad experience, in addition to teaching regular course, research discussion always there in classroom. More than 10 externally funded projects are currently implementing in the department supported by DST and DBT, India with the total outlay of around 3 crores.



Present Faculty Position				
Posts	Sanctioned	Filled up	Vacant	Total
Assistant Professor	4	4	0	4
Associate Professor	2	2	0	2
Professor	1	0	1	1

Students Enrolment								
Programme	General	SC	ST	OBC	PWD	Total	Male	Female
Ph.D	-	-	-	-	-	-	-	-
M.Sc.	9	5	1	12	-	27	6	21

#### Faculty Details

Dr. A. Manickavelu, Head & Associate Professor

Specialization : Molecular Plant Genetics & Genomics

Dr. Padmesh P Pillai, Associate Professor

Specialization : Plant Biotechnology

Dr. Ranjith Kumavath, Assistant Professor

Specialization : Cancer Genomics, Human Infectious Diseases, Microbial Genomics, antibiotic drug resistance genes based Metagenomics

Dr. Tony Grace, Assistant Professor

Specialization : Genetics/Genomics/ Bioinformatics

Dr. M. Nagarajan, Assistant Professor

Specialization : Population Genomics

Dr. Smita Sudheer, Assistant Professor

Specialization : Pluripotent Stem Cells and Genomics

#### List of Member of Board of Studies:

Dr. Manickavelu, Head, Chairperson

#### Expert members:

Prof. P. Reddanna, School of Life Sciences, University of Hyderabad, Hyderabad-500046

Prof. Paturu Kondaiah, PhD, Dept. of Molecular Reproduction, Development and Genetics, Indian Institute of Science, Bangalore - 560012

Prof. Polani B. Seshagiri, FNASc, FAMS., Dept. of Molecular Reproduction, Development and Genetics, Indian Institute of Science, Bangalore 560012

Dr. K. Thangaraj, Sr. Principle Scientist, Centre for Molecular Biology, Hyderabad 500046

#### Internal Members:

Dr. Padmesh Pillai, Associate Professor

Dr. Tony Grace, Assistant Professor

Dr. VB Sameer Kumar, Assistant Professor

#### Publications of the Faculty

Ranjith Kumavath & 2018 Comparative mangrove metagenome reveals global prevalence of heavy metals and antibiotic resistance across

different ecosystems Sci Rep 8(1):11187. doi: 10.1038/s41598-018-29521-4

Ranjith Kumavath & 2018 Acetate kinase (Ack) is essential for microbial growth and betel compounds potentially target Ack, PhoP, and MDR proteins in M. tuberculosis, V. cholerae, and pathogenic E. coli : An in silico and in vitro study Current Topics in Medicinal Chemistry 18(31):2731-2740.

Ranjith Kumavath & 2018 A potential link between tuberculosis and lung cancer through non-coding RNAs Bioinformation 14(6): 337345.

Nagarajan M & 2018 Genetic diversity and maternal lineages of south Indian goats Molecular Biology Reports 45(6):2741-2748

Nagarajan M & 2019 Complete mitochondrial genome of Indian mithun, Bos frontalis and its phylogenetic implications Molecular Biology Reports 46(2):2561-2566

Tony Grace & 2019 Role of the Gut Microbiome in Autism Spectrum Disorders Adv Exp Med Biol 1118:253-269

Tony Grace & 2019 Gut Microbial Dysbiosis in Indian Children with Autism Spectrum Disorders *Microbial Ecology* 76(4):1102-1114.

ISBN 978-953-51-5653-6. Published in 2018 by INTECH World's largest Science, Technology & Medicine Press, website: <http://www.intechopen.com>.

Books:

Book edited: Dr.Ranjith Kumavath, Ph.D, Book title: "Metagenomics for Gut Microbiome" ISBN 978-953-51-5653-6. Published by INTECH World's largest Science, Technology & Medicine Press, website: <http://www.intechopen.com>.

Jamseel M and Ranjith Kumavath<sup>1\*</sup> Bio-Augmentation of Actinobacteria and Their Role in Dye Decolorization- "New and Future Developments in Microbial Biotechnology and Bioengineering (2018) "ISBN 978-0-444-63994-3.

Imchen M, Kumavath R. Metagenomics of Antimicrobial Resistance in Gut Microbiome.

Imchen M, Kumavath R. Pan-metagenomics and its applications (2019) PAN-GENOMICS book edited by Debmalya Barh, Elsevier publishers.

No.	Title of the project	Principal Investigator	Funding agency	Amount Sanctioned	Number of Research Students Engaged
1.	Molecular characterization of orphan landraces and their utilization	Dr. Manickavelu	DST-SERB	47 lakhs	2
2.	Effects of Rubrivivaxin, Rhodethrin and Thienopyridine as Novel Antibacterial Agents for Targeting Two Component Signal Transduction in <i>Enterococcus faecalis</i>	Dr.Ranjith Kumavath	SERB/DST Govt.of India	Rs/- 41.50 lakhs	1
3.	Studies on the efficacy of Rubrivivaxin and Rhodethrin as Novel Inhibitors for Aromatase in ER- Positive Breast Cancer Cells	Dr.Ranjith Kumavath	SERB, Govt. of India	Rs/- 50 Lakhs	1
4.	Genetic characterization and phylogeography of Indian bison	Dr. M. Nagarajan of India	SERB ,Govt. lakhs	56	2
5.	Transcriptome analysis and identification of genes associated with egg production in duck	Dr. M. Nagarajan	DBT lakhs	71	2
6.	Identification of miRNAs associated with egg production in duck	Dr. M. Nagarajan	SERB, Govt. of India	48 lakhs	2
7.	Deciphering the role of WNT, FGF and NOTCH signalling in the formation of musculoskeletal progenitors from human Pluripotent Stem Cells and in vitro production of Skeletal muscles	Dr. Smita Sudheer	SERB, Govt. of India	50 lakhs	2

Programmes Conducted by the Department

1. Invited Talk by Prof. Kumaresan, Madurai Kamaraj University
2. Lab visit by KV school students
3. Science day celebration

Microbiology, Annamalai University, Chidambaram, India. Talk on "Comparative Metagenomic study of Mangrove Microbiome: Reveals High Abundant Heavy Metal and Antibiotic Resistance Genes across Different Ecosystems Irrespective of Anthropogenic Activities" held on 1<sup>st</sup> & 2<sup>nd</sup> February, 2018.

Other Achievement by the Faculty

Dr. Ranjith Kumavath

Resource person at National Conference on "Challenges and Advances in Microbiology (CAM-2018)" organized by Department of

Attended 10<sup>th</sup> Young Investigator award alumni meeting (YIM-2018) at Trivandrum organized

by RGCB and Indian Bioscience from 5<sup>th</sup>- 8<sup>th</sup> March, 2018 on Future of Indian Biological Science policies and best practice. My talk on "Towards the Understanding the role of Cardiac Glycosides in Tumor Immunological signaling pathways". Taking pulse of Biology in India witnessed some intense break-out discussions, panel discussions, talks, posters and also the enthusiasm of each YIM awardees.

Dr. Padmesh P Pillai

Resource person in the UGC sponsored Refresher Course in Bioscience organized by the HRDC, University of Calicut from 10-01-2018 to 30-01-2018. Handled two sessions on 'Biodiversity : Characterization and Implications' on 23-01-2018

Resource person in the UGC sponsored Refresher Course in Bioinformatics, Molecular Biology & Microbiology organized by the HRDC, Kannur University from 14-02-2018 to 06-03-2018. Handled two sessions on 'Secondary metabolic pathway analysis in plants: a molecular approach' on 16-02-2018

As advisory committee member, conducted the final qualifying viva-voce examination of Ph.D student of the Department of Plant Physiology, College of Horticulture, Kerala Agricultural University, Vellanikkara, Thrissur on 02.02.2018

Invitee to the Brain-Storming Meet on Chemical Biology of Diagnostics and Therapeutics, organized by the Inter University Centre for Biomedical Research & Super Speciality Hospital (IUCBR&SSH), Mahatma Gandhi University, Thalappady on 24-03-2018

#### Students Achievements

Ms PragyanParamita Swain, II M.Sc Genomic Science student of Central University of Kerala bagged the first SGRF-SPARK award 2018, for the best innovative idea for 'Transforming Kerala through Science and Technology interventions'. The award was jointly instituted by SciGenom Research Foundation, a not-for-profit organization promoting science through Research and Education along with Kerala State Council for Science Technology & Environment(KSCSTE), Govt of Kerala. The competition was opened to PG students all

over Kerala and the innovative idea of Pragyan for developing a DNA-Water chip for online identification of specific pathogen in drinking water sources, was selected by the panel of experts. The award carrying the certificate of merit, citation and cash prize of Rs 25,000/- was presented to her by Shri PinarayiVijayan, the Honourable Chief Minister of Kerala during the inaugural ceremony of 30<sup>th</sup> Kerala Science Congress held on 28<sup>th</sup> January 2018 at Brennen College, Thalasseri.

No. of student achievers :

1. CSIR-UGC/JRF: 2
2. GATE: 4
3. PhD: 4
4. Placement: 3

Ms. Midhula Gireesh, 2014-16 batch student has been accepted for Ph.D. with Research Fellowship in Life Sciences at University of Georgia, Athens, USA.

Jamseel M, PhD Research Scholar, has received the BEST POSTER AWARD for his thesis work on "Isolation and characterization of Haloarchaeal species from Arabian seacoast and their biological applications" at the 59<sup>th</sup> Annual Conference of Association of Microbiologists of India (AMI-2018) in collaboration with International Symposium on Host-Pathogen Interactions held on 09-12. He also received best INTERJECTOR AWARD during ISME AMI Mini workshop. He received the certificate and momentum from the president (ISME) and Ambassador Dr. Colin Murrell.

E. Smitha KV, PhD research scholar received 1<sup>st</sup> prize in best poster award in her research topic 'Sequencing approach for genomic discovery in rice landraces" at National Seminar in Recent advances in Molecular Biology (RAMB-2019), Department of Molecular Biology, Kannur University and Co-sponsored by Kerala State Council for Science, Technology and Environment, Dr.PK Rajan Memorial Campus, Nileshwaram, Kasaragod, Kerala, February 06-08, 2019.

# Department of Geology

Head of the Department: Dr. Sandeep K.  
Programmes Offered: MSc. and Ph.D.

The Department of Geology under the School of Earth Science systems is situated in the second floor of the Sabarmati Block. It is one of the very few departments among the universities in Kerala which offers post-graduate programme in Geology. The department is committed to produce future geologists and geo-scientists with academic excellence. The department is in the process of upgrading its facilities and developing new laboratories. The department currently has separate laboratories for Palaeontology, Petrology and Mineralogy, Geomatics, Sedimentology, Hydrogeology and Geochemistry, Ore Geology.



Present Faculty Position									
Posts	Sanctioned			Filled up		Vacant		Total	
Assistant Professor	4			4		0		4	
Associate Professor	2			0		2		0	
Professor	1			0		1		0	

Students Enrolment									
Programme	General	SC	ST	OBC	PWD	Total	Male	Female	
M.Sc. Geology (1st and 2nd year combined)	20	9	2	23	1	55	28	27	
Ph.D	4	0	0	2	0	6	3	3	

Faculty Details									
Dr. Sandeep K, Assistant Professor & HOD (I/c)									
Specialization : Palaeolimnology and Quaternary Palaeoclimate, Environmental magnetism and its applications in pedogenetic and pollution studies									
Dr. Pratheesh P, Assistant Professor									
Specialization : Mafic dykes, LIP's and supercontinents, Microtectonics, Morphotectonics and Neotectonics									
Dr. Sijin Kumar A V, Assistant Professor									
Specialization : Paleoclimatology and Paleoceanography, Marine Micropaleontology, and Ocean acidification									
Dr. Chandan Kumar B, Assistant Professor									
Specialization : Economic Geology, Solid Earth Geochemistry and Crustal Evolution, Geoscience Education									

#### List of Member of Board of Studies:

Dr. Sandeep K, Head i/c, Chairperson

#### External Members:

Dr. R Shankar (Professor (retired), Dept. of Marine Geology, Mangalore University),

Dr. V Prasannakumar (Professor (retired) and Emeritus Fellow, University of Kerala),

Dr. K Ganesha Raj, General Manager, RRSC-S, ISRO, Bangalore)

Shri. Suresh Chandran (Director General (retired), Geological Survey of India, Trivandrum).

#### Internal Members:

Dr. Pratheesh P

Dr. Jeyabalan Sangeetha

#### Publications of the Faculty

Chandan Kumar B. (2018) - Geology and geochemistry of metabasalts of Shimoga schist belt, Dharwar Craton: implications for the late Archean basin development. Arabian Journal of Geosciences, 11:226. (Impact Factor 1.00)

Chandan Kumar B. (2018) - Geochemical

systematics of the Mauranipur-Babina greenstone belt, Bundelkhand Craton, Central India: Insights on Neoproterozoic mantle plume-arc accretion and crustal evolution. Geoscience Frontiers, 9(3):769-788. (Impact Factor 4.256)

#### Ongoing Projects:

Dr. Chandan Kumar B is awarded with a project entitled Geology, geochemistry and geochronology of Western Ghats belt, Western Dharwar Craton, south India funded by Science and Engineering Research Board (SERB), India sponsored Early Career Research (ECR) grant worth Rs.33,48,600/-

Dr. Chandan Kumar B is awarded with a project entitled Geoscience education in Kerala State - past, present and the future funded by Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT), Central University of Kerala grant worth Rs. 2,00,000/-

Dr. Sijinkumar A V is awarded with a project entitled Fossil pteropods abundance/preservation in the late Quaternary sediments of the Bay of Bengal and the Andaman Sea: inferences on paleoclimate funded by UGC BSR (Start-Up Grant) worth 10 Lakhs.

Dr. Sijinkumar A V is awarded with a project entitled Investigations on foraminiferal abundance in the late Quaternary sediments of the Bay of Bengal and the Andaman Sea for paleo monsoon reconstruction funded by Science and Engineering Research Board (SERB), India sponsored Early Career Research (ECR) grant worth Rs. 35,95,000/-.

Dr. Pratheesh P is awarded with a project entitled Temporal relation between deformation, metamorphism and mineralization along the Bavani Shear Zone (BSZ), South India funded by UGC BSR (Start-Up Grant) worth 10 Lakhs.

Programmes Conducted by the Department  
Workshop on "Applications of Granulometric Parameters in Sedimentology" coordinated by Dr. Sandeep K, organized jointly by Central University of Kerala and Geological Survey of India, Mangalore from 22/11/2019 to 23/11/2019 as part of 'Bhuvismavud' Programme launched by Ministry of Mines, Govt. of India.

Workshop for School teachers on "Comprehensive Teaching Methods for Geography in Schools" co-ordinated by Dr. Pratheesh P, organized jointly by Department of Geology and PMMMNMTT from 15/12/2018 to 16/12/2018.

International Earth Science Olympiad 2019 (National level Entrance Test for 10th, 11th, 12th standard students) was held on 19th January 2019 coordinated by Dr. Sijinkumar A.V.

Other Achievement by the Faculty

Dr. Sandeep K attended refresher course on "Innovative Geospatial Technologies (Remote Sensing, IRNSS & GIS)" under the sponsorship of National Natural Remote Sensing (NNRMS) of Department of Space, Government of India from 07-05-2018 to 27-

05-2018 at Department of Geography & Geoinformatics, Bangalore University, Bangalore.

Dr. Sandeep K attended and presented research paper on "A geochemical record of the link between chemical weathering and Indian Summer Monsoon during the Late Holocene recorded in lacustrine sediments" in Goldschmidt 2018 conference held in Boston, USA from 12th to 17th August, 2018. Dr. Sandeep K attended and presented research paper on "Wavelet analysis of magnetic susceptibility data of lacustrine sediments: Evidence for Late Holocene climatic periodicities" in 2nd International Conference on 'Geology: Emerging Methods and Applications' held at Christ College, Irinjalakuda, Thrissur, Kerala from 17/01/2019 to 19/01/2019.

Dr. Sandeep K delivered an invited talk on 'Climate Change and Lake Sediments' on 14/02/2019 in the National Symposium on 'Wetlands and Climate Change' organized by the Department of Geology, Govt. College Kasaragod, Kerala.

Dr. Pratheesh P. delivered a lecture on the topic entitled "Microstructural significance of the mylonites from the Achankovil shear zone, South India" in the conference of "Young Researchers in Structural Geology and Tectonics" (YORSGET) at Montgenevre, France, on 2-6 July 2018.

Dr. Sijinkumar, A.V., attended and presented a research paper on 'Sea level rise and monsoon intensification from last glacial maximum to Recent: oxygen isotope records from the Andaman sea and Bay of Bengal' in PAGES-INQUA international workshop on Impacts of sea level rise from past to present held at Utrecht university from 26 to 29, August 2018.

Dr. Sijinkumar, A. V., attended and presented a research paper on 'Holocene vs. Eemian: Monsoon intensification and pteropods preservation records from the Andaman Sea' in IODP-SPADE workshop held at NCAOR, Goa from 16 to 18, Sept 2018.

Dr. Sijinkumar, A.V. attended and presented research paper on "Late Quaternary Oxygen



Isotope record of multiple species of foraminifera and pteropods from the Andaman Sea". In the 2nd International conference GEM-2019 held at Christ College, Irinjalakuda, Kerala from 17-19, Jan 2019.

Dr. Sijin Kumar AV delivered an invited talk on 'Holocene Climate Change' on 14/02/2019 in the National Symposium on 'Wetlands and Climate Change' organized by the Department of Geology, Govt. College Kasaragod, Kerala.

Dr. Chandan Kumar B delivered an invited talk on Gadag Gold Fields, Karnataka: A case study of greywacke hosted gold mineralization in the Dharwar Craton, Peninsular India, at the International Seminar Organized by Cochin University of Science and Technology, Kochi, India on 11-02-2019.

Dr. Chandan Kumar B acted as invited reviewer for Precambrian Research (Elsevier) and Arabian Journal of Geosciences (Springer).

#### Students Achievements

Ms. Akhila Chandran (2nd Semester M.Sc. Geology) secured summer research fellowship awarded by Indian National Science Academy (INSA) at Physical Research Laboratory (PRL), Ahmedabad.

Ms. Megha Chandran (2nd Semester M.Sc. Geology) secured summer research fellowship awarded by Indian National Science Academy (INSA) at National Geophysical Research Institute (NGRI), Hyderabad.

Mr. Reethu Mohan, Research Scholar attended and presented research paper on 'Iron Oxides And their color attributes of Highly Weathered Tropical Soils' in 2nd International Conference on 'Geology: Emerging Methods and Applications' held at Christ College, Irinjalakuda, Thrissur, Kerala from 17/01/2019 to 19/01/2019.

Ms. Gayathri N M, Research Scholar attended and presented research paper on 'Mid to Late Holocene History of Indian Monsoon Recorded in the Andaman Sea sediments' in 2nd International Conference on 'Geology: Emerging Methods and Applications' held at Christ College, Irinjalakuda, Thrissur, Kerala from 17/01/2019 to 19/01/2019.

Mr. Sarun Lal M A, Project Fellow attended and presented poster on 'Late Quaternary record of the environmental magnetic parameters from the Andaman Sea' in 2nd International Conference on 'Geology: Emerging Methods and Applications' held at Christ College, Irinjalakuda, Thrissur, Kerala from 17/01/2019 to 19/01/2019.

Ms. Sreevidya, Research Scholar presented a paper on "Late Cenozoic pteropod abundances/preservation records from the Maldives, Equatorial Indian Ocean in the 2nd International Conference on 'Geology: Emerging Methods and Applications (Gem-2019)' held at Christ College, Irinjalakuda, Kerala from 17-19, Jan 2019.

# Department of Hindi & Comparative Literature

Head of the Department: Prof. (Dr. ) Sudha Balakrishnan  
Programmes Offered: MA & Ph.D

The Department of Hindi established in the Central University of Kerala in the year 2012. The Department aims at giving a pan Indian outlook to the discipline of Comparative Literature and to Hindi Literature in India. Following this vision, the Department offers Postgraduate & Ph.D programme in 'Hindi and Comparative Literature', giving students grounding in both traditional courses in 'Hindi Language and literature' as well as in 'Comparative Literature.



Present Faculty Position				
Posts	Sanctioned	Filled up	Vacant	Total
Assistant Professor	4	4	0	4
Associate Professor	2	1	1	2
Professor	1	1	0	1

Students Enrolment								
Programme	General	SC	ST	OBC	PWD	Total	Male	Female
M.A	3	1	4	20	-	28	1	27
Ph.D	5	2	-	7	-	14	7	7

**Faculty Details**  
 Prof. Sudha Balakrishnan, Professor  
 Specialization : Women Studies  
 Dr. Taru S Pawar, Associate Professor  
 Specialization : Natak, Kahani, Upanyas  
 Dr. Seema Chandran, Assistant Professor  
 Specialization : Hindi Fiction and Hindi Language & Literature,  
 Dharmendra Pratap Singh, Assistant Professor  
 Specialization : Katha Sahitya  
 Dr. Ram Binod Ray, Assistant Professor  
 Specialization : BHASHA VIGYAN, MASS. COMM  
 Dr. Supriya P, Assistant Professor  
 Specialization : Hindi Fiction, Translation Theory & Practice

Details of Centers and their Academic Programmes if any:

CENTRE FOR WOMEN'S STUDIES

Activities undertaken by Centers:

Conducted a competitive test on laws related to Women for PG Students of University sponsored by the National Commission for Women on 5<sup>th</sup> December 2018.

Invited talk on "Empowerment of Women in India: A Legal Perspective." by Ms. Aathira Raju, Assistant Professor, Dept. of Law, Thiruvalla Campus, Central University of Kerala on 18<sup>th</sup> December 2018.

Invited talk on "Women Empowerment: Emerging trends and Challenges" by Dr. Molly Kuruvilla on 24 January 2019.

International Women's Day on 8<sup>th</sup> March 2019 celebration felicitation of Environmental Activist Smt. Leela Kumari Amma, Eminent Malayalam Poetess Smt. Kanimol and Personality Development Trainer Ms. Priya Sivasdas.

A personality Development Training programme on 'HOW TO BUILD BETTER LIFE AND CAREER' conducted by Priya Sivasdas,

Founder Mentor from Training for U, Training and Consultations Cochin on 8<sup>th</sup> March 2019.

Two days National Seminar on "Women and the Environment" on 18 & 19 March 2019 sponsored by The National Commission for Women at Centre for Women's Studies, Central University of Kerala.

Activities undertaken by the department:  
 Hindi fortnight celebration on 14<sup>th</sup> September 2018.

Three day International Seminar "Hindi me pravasi sahitya ka yogdan" 21<sup>st</sup> and 23<sup>rd</sup> December 2018.

Invited Talk by famous critic, writer, Hindi novelist Dr. Asgar Wajahat 12<sup>th</sup> February 2019.

Three day International Seminar "Vaishvik sthar par hindi ka prayog aur upyog" 13<sup>th</sup> March 2019.

National Seminar "Saahitya ke vividh vimarsh", Dr. Jayashankar Babu 11<sup>th</sup> March 2019.

Video conferencing with Prof. Jayanti Prasad Nautiyal 14<sup>th</sup> February 2019.

Publications of the Faculty

Name of the Faculty	Year	Title of the Paper	Name of Journal/Book (with details Issue No.)	Volume No.	ISSN No.
Dr. (Prof) Sudha Balakrishnan	2018	P.O box no 203, Nallasopara  Stree Astitva Vimarsh	P.O box no 203, Nallasopara Translated to Malayalam (In Press)  Chitra Mudgal ke katha sahitya me stree astitva vimarsh	In Press  1	978-93-84480-20-2
Dr. (Prof) Sudha Balakrishnan	2019	Utaradhunikta katha anya adhyayan  Gurunanak aur samajik chetana  Rudimukh stree ka anmol sangam - samay sargam	Sant Guru Guru Nanak - Editor Purnachand Tandon (Delhi University)  Krishna Sobthi - Editor Prof. A Arvindakshan (Retd. Pro.V.c. Wardha University)	In Press	
Dharmendra Pratap Singh	2018	???? ? ???? ???? ????? : ?? ???? ???? ?	???? ???? ???? ?	40	ISSN No. 2454-2725
	2019	????? ???? ???? ???? ????? ???? ???? ???? ?	???? ???? ???? ?	Year-11, Issue-03	ISSN No. 2278-554X
	2019	?? ???? ???? ???? ???? : ???? ???? ???? ???? ???? ???? ?		45-46	ISSN No. 2454-2725
	2019	?? ???? ???? ???? ???? ???? ???? ???? ???? ?		Year-36, Issue-117	RNI No. 42819/83
Aacharya Path- Dwara Prakashit		Rashtriya Smark Samiti Rai Bareli Editor -Ram Bahadur Rai "Mahaveer Prasad Dwivedi Navjagaran K Aadhar Stambh".Page No. 28-29. 2018.	Abdul Wahab- "Patrom Mein Premchand", ISBN- 978-93-86007-58-2 Published by Swakshar Prakashan New Delhi.		
Shodh Disha Editor		Dr. Giriraj Sharan Agarwal & Dr. Meena Agarwal, UGC Approved Impact fator 2.978 ISSN- 0975-735X. "Sahitya Mein Chitrit Vridhom K Pravasi Jeevan Ki Trasadi".International Innovative Journal.Page No.95-101.	Contributions in Edited book: 'Budaapa: Manav Moolyon ka Akaal' in Book Ikkisavi Shati ka Hindi Sahitya: Nav Vimarsh, 2018 Edited by Dr. S Y Hongekar and Dr Arif Mahat. Published by ABS Publication, Varanasi (ISBN 978 93 81549)		
Vaak- Editor		Sudheesh Pachauri "Hindi K Prachar Prasar Mein Pravasi Sahityakaarom Ka yogdaan", ISSN- 2320-818X, Sep 2018. Page No. 127-132.	'Sainik Jeevan: Sanvedna aur Sahas' in Book Bharatiya Sahitya me Civil Sainik Sanbandh, 2018 Edited by Dr. Ranjith M and Dr. Surya Boss. Published by Maya Prakashan, Kanpur (ISBN 978 81 934201 4 0)		
Books:			'Rape me anand ka aarop : Stri Vidroh ka Naya Swar' in Book Naya Sahitya Naye Prashn, 2019 Edited by Dr. Suma S. Publish by Vani Prakashan, New Delhi ( ISBN 978 93 88684 27 9)		
Dr. Supriya P,	2019	Adhunika ka Paraag Sankraman, Aman Prakashan, Kanpur (ISBN No. 973-93-88260-25-1)	'Sainik Jeevan ke sangarsh' in Book Hindi Sahitya Ko Dakshin Bharat ki Dakshina ( Keral Sabdarbh), 2019 Edited by Dr. Arsu Published by Jawahar Pustakalaya,		
Hindi Sahitya Ka Dalit Paksh-		Editor- Dr. Rishi Kumar, Anand Prakashan Kolkota, "Hindi Dalit Kahaniyom Mein Stri".Page No. 70-77, ISBN- 978-81-8890-48-8.			
Premchand :		Manan Aur Manthan- Editor- Dr. Shekh			

Mathura, UP (ISBN 978 81 8111-389 4)

Journal:

Iran Kranti : tabahi aur tanhaayi ka thofa',  
Navnikash published by Gyanoday  
Publication, Kanpur, September 2018 ( ISSN 0975-0827)

Other Achievement by the Faculty

Dr. (Prof). Sudha Balakrishnan:

Three day International golden jubilee seminar  
"Change in Dimensions of Language and  
Literature" March 13,14 and 15<sup>th</sup> 2018.

"Premchand ke katha sahitya me gau" July 31<sup>st</sup>,  
2018 Calicut University.

Three day National Seminar "Chayavadi kavita ek  
punar paat" 17, 18,19th December 2018.

Three day National Seminar International  
University Wardha, Calicut University 7,8,9  
February 2019.

Invited talk "Rachna aur alochana" February, 5<sup>th</sup>  
& 6<sup>th</sup> 2019.

Dr. Taru S Pawar:

Participated as a Resource person and Presented a  
paper on "Hindi me pravasi sahitya" in  
International Seminar of 'Hindi men pravasi  
sahitya ka yogdan' Organised by Dept. of  
Hindi and Comparative literature, Central  
university of kerala, Kasaragod, from 20<sup>th</sup>  
December 2018 to 21<sup>th</sup> December 2018

Participated as a Chairperson and Presented a  
paper on "Media vimarsh aur samakaleen  
sandarbha" in International Seminar of  
'Media vimarsh ka samakaaleen  
sandarbha' Organised by Dept. of Hindi,  
Shri Sankaracharya university of Sanskrit,  
Kalady, Panmana campus, Kollam, Kerala  
From 16<sup>th</sup> January 2019 to 18<sup>th</sup> January 2019

Participated as a Chair Person and Presented a  
paper on "Sahity ke vividh vimarsh" in  
national Seminar of "Sahity ke vividh  
vimarsh" Organised by Dept. of Hindi and  
comparative literature, Central university  
of Kerala, from 11<sup>th</sup> March 2019 to 12<sup>th</sup>  
March 2019.

Participated as a chair Person and Presented a  
paper on "Samakaaleen hindi katha sahity  
aur samajshastra" in national Seminar of  
"Samakaaleen hindi katha sahity ka  
samajik sandarbha" Organised by UG and  
PG Dept. of Hindi, Mangalore university  
college, Mangalore from 22<sup>nd</sup> March 2019  
to 23<sup>rd</sup> March 2019.

Participated international seminar on "VAISVIK  
STAR PAR HINDI PRAYOG AUR UPAYOG"  
organized by Dept. of Hindi and  
Comparative Literature, Central University  
of Kerala, Kasaragod from 13<sup>th</sup> February  
2019 to 15<sup>th</sup> February 2019.

Dr. Supriya P:

AWARDS:

'Shri Chandiyogi Smriti Samman' by Sahitya Mandal  
Nathdwara, Rajasthan, September 2018.

AIPC Gujarat Vishisht Samman' by All India  
Poetess Conference, November 2018 at Dr.  
Babasaheb Ambedkar Open University,  
Ahmedabad, Gujarat.

Dr Seema:

Awarded the Prestegious "Adarsh Vidya Saraswati  
Rashtriya Puraskar" by Global  
Management Council, Ahmedabad on  
26th Day of January 2019.

Awarded as an "Outstanding women" in the VIWA  
Award 2019 by the Venus International  
Foundation for the Venus International  
Women Awards on March 2nd , 2019 at  
Radha Regent, Chennai on March for the  
contribution in Hindi Language & Literature.

NATIONAL EVENT ORGANIZED:

Two days National Conference of All India Poetess  
Conference in collaboration with  
University of Kerala on 1 2 3 November  
2018 at Thiruvananthapuram, Kerala.

Students Achievements:

Prabhanshu Shukla: Received JRF in 2018.

NET qualified Research Scholars: Dilna K, Hemant  
Kumar, Ramyash Pal.

# Department of International Relations and Politics

Head of the Department: Prof. (Dr.) K. Jayaprasad  
Programmes Offered: MA & Ph.D

The Department of International Relations & Politics one of the dynamic departments in the Central University of Kerala. Established in 2012 as a part of the School of Global Studies, the Department offers Masters and Doctoral Studies in International Relations and Political Science. The department has an interdisciplinary approach to the study of international relations and the curriculum includes a wide spectrum of courses such as Political Theory, Comparative Politics, Theories of International Relations, Research Methodology, Security and Strategic Studies, Foreign Policy Analysis, International Political Economy, International Law, Diplomacy, Defence Studies, International Security, International Organization and so on. The department is committed to the values of excellence, diversity, academic integrity and collegiality.



Present Faculty Position								
Posts	Sanctioned			Filled up		Vacant	Total	
Assistant Professor	4			4		0	4	
Associate Professor	2			2		0	2	
Professor	1			1		0	1	

Students Enrolment								
Programme	General	SC	ST	OBC	PWD	Total	Male	Female
2018-20	17	4	0	10	1	32	17	15

### Faculty Details

Prof. (Dr.) K. Jayaprasad, Professor & Head, Dean SGS

Specialization : Political Thought, Indian Politics, Nationalism, Foreign Policy

Prof.(Dr.) M. S. John M.Phil., Professor

Specialization : International Relations, Peace and Conflict resolution Studies

Dr. P C Prasanna Kumar, Associate Professor

Specialization : Public Administration, Development Studies, Decentralisation

Dr. Reinhart Philip, Assistant Professor

Specialization : International Political Economy, Human Rights, Indian Constitution

Dr. Gilbert Sebastian, Assistant Professor

Specialization : Political Studies, Political Economy

Dr. Lal Ji Pal, Assistant Professor

Specialization : International Relations, Russia and Central Asia

Dr. Uma Purushothaman, Assistant Professor

Specialization : International Relations, US Foreign & Domestic Policies

### List of Member of Board of Studies:

Prof. K. Jayaprasad, Chairperson

### External Members:

Prof. M.J. Vinod

Prof. Aravind Kumar

Prof. Rahul Tripathi

Prof. Pavithran K

### Internal Members

Prof. M.S. John

Dr. P.C. Prasanna Kumar

Dr. Reinhart Philip

### Details of Centers and their Academic Programmes if any:

Centre for Security Studies

### Contributions in Edited book:

John, M.S. (2019). Politics of Financing Grassroots Democratic Institutions: A Comparative Analysis of State Finance Commissions in Selected States In MR Biju, Ravindra Sharma, M.R.B. Anantha Padmanabha (Eds.) Politics of Grassroots Democracy in India. New

Delhi: Concept Publishing Company.

Reinhart Philip (2019). Human Intervention and the Depleting Well Springs of Nature: A Case Study of Oranje Poika In Zelia M. Bora and Murali Sivaramakrishnan (Eds.), Narratives of Environment Challenges in Brazil and India: Losing Nature (pp. 97106). New York & London: Lexington Books Otago.

### Books:

K. Jayaprasad (2019). Kerala Navodhanam: Dishayum Dishabhodavum. Trivandrum: Mahatma Ayyankali Centre for Kerala Studies. (978-81-9403196-3)

John M.S (2019). Mahatma Gandhi. Kottayam: SPCS.

### Journal

Jayaprasad K. (2018): Swami Vivekananda and Social Revolution. *SAJOSPS*. 19(1).

Shameem C.C. & K Jayaprasad (2019). BRICS: A Stepping Stone or Stumbling Block for India. In *International Journal for Research and Analytical Review*. 6(1).

Shameem C.C. & K Jayaprasad (2018). The BRICS: A Traits for Global Interdependence. In *Impact Journal*

Uma Purushothaman (co-author) (2018). A Tale of Many Roads: India's Approach to Connectivity Projects in Eurasia. in *India Quarterly* (SAGE and Indian Council of World Affairs), 69-86.

#### Ongoing Projects:

Dr. Reinhart Philip is awarded with a project entitled "Political Metamorphosis of Karma Yoga: The Contemporary Relevance of the Socio-Political Philosophy of Swami Vivekananda" funded by ICSSR. Total amount sanctioned for the project is 2 Lakhs 50 Thousand.

Programmes Conducted by the Department  
Celebration of 150<sup>th</sup> Birth Anniversary of Mahatma Gandhi coordinated by Prof. M.S. John from 01 October 2018 to 30 January 2019.

National Seminar on "Two Decades of Decentralization Experiences in Kerala: Lessons Learnt and Tasks Ahead" coordinated by Prof. M.S. John & Reinhart Philip from 25-26 July 2018.

Ambassador T P Sreenivasan delivering lectures on the 4<sup>th</sup> and 5<sup>th</sup> of December 2018 on various aspects of India's Foreign Policy and International Relations.

#### Other Achievement by the Faculty

Prof. (Dr.) K. Jayaprasad became the President of All India Political Science Association.

Prof. (Dr.) K. Jayaprasad became member of Board of Studies, School of International Studies, JNU

Dr. M.S. John's book in collaboration with late T N Khoshoo published by TERI, New Delhi, entitled *Mahatma Gandhi and the Environment: Analysing Gandhian Environmental Thought* has been selected by the Permanent Mission of India to the United Nations for dissemination during Mahatma Gandhi's 150th birth anniversary celebrations.

#### Any other Relevant Information

##### Students Achievements

Adarsh Pathak-was selected for the Winter Internship Programme 2018, by the National Human Rights Commission, held from 20<sup>th</sup> December, 2018 to 18<sup>th</sup> January, 2019.

Liz Jose, Aswathy, Ajisha, Anagh, Ashna Anna James was Completed their Aspire Scholarship Project/ Internship from 29<sup>th</sup> January to 26<sup>th</sup> February 2019

##### School of Cultural studies

Three day National Workshop on Research Methodology for Social Science on 26<sup>th</sup> - 28<sup>th</sup> February 2018 sponsored by Indian council for social science Research Southern Regional Centre, Hyderabad



# Department of International Relations, Capital Centre

Head of the Department: Dr. P. C. Prasanna Kumar

Programme Offered: BA Programme in International Relations

The Department of International Relations in the Capital Centre of the Central University of Kerala runs the ambitious undergraduate programme in International Relations that trains prospective candidates who could be interlocutors in the arena of global relations. The Department is a part of the School of Global Studies of the University. It was established in 2014 and aspires to be a premier institute of excellence in South Asia by inculcating moral and ethical values in students to ensure social harmony, dignity, worth of individuals and respect for diversity of opinions along with providing unmatched training in the vibrant discipline of International Relations. The Department is committed to intellectual inquisitiveness, academic rigor, and a pluralistic/diverse curriculum. Moulding Ideal Citizens of the Nation forms the main motto of the Centre. Keeping in mind the gamut of opportunities in the field of global relations, the Centre also offers courses in German and French languages in direct collaboration with the Goethe Zentrum and Alliance Française institutes respectively located at Thiruvananthapuram. Moreover, the department has a library with a collection of over 1500 books in addition to CDs and DVDs pertaining to areas related to the component courses of the programme.



Present Faculty Position								
Posts	Sanctioned			Filled up		Vacant	Total	
Assistant Professor	2*			--		--	--	
Associate Professor	2*			--		--	--	
Professor	--			--		--	--	
Students Enrolment								
Programme	General	SC	ST	OBC	PWD	Total	Male	Female
BA ( 2016-19)	14	4	0	13	0	31	14	17
BA ( 2017-20)	12	2	2	12	0	28	10	18
BA ( 2018-21)	18	5	2	16	0	41	22	25

\*Recently sanctioned by the UGC.

#### Faculty Details

Dr. P.C. Prasanna Kumar, Associate Professor

Specialization : Comparative Politics, Public Administration, Local Governance & Rural Development

Mr. Hemanth V L, Guest Faculty

Specialization : International Relations/ Political Science

Mr. Sujith R, Guest Faculty

Specialization : International Relations/ Political Science

Ms. Aswathy A K, Guest Faculty

Specialization : International Relations/ Political Science

Mr. Shibu K, Guest Faculty

Specialization : International Relations/ Political Science

Dr. P Sanal Kumar, Guest Faculty

Specialization : Hindi

Dr. Ramesh Kumar S, Guest Faculty

Specialization : Malayalam

Sri Vivek V S, Guest Faculty

Specialization : English

Sri Ramesan Nair, Guest Faculty

Specialization : English

#### Programmes Conducted by the Department

##### SEMINAR/ WORKSHOP

Two days' Workshop Dynamics of Social Science Research

Introduction to Social Science Research. 27.09.2018. Dr. Ravi Sankar S Nair, Associate Professor, Dept. of Linguistics, CUK, Kasaragod. 44

Comparative Analysis in Social Science Research. 27.09.2018. Mr. Ajmal S Razaq, Faculty, Dept. of IR, Capital Centre 44

Believe You Can: Beginning Research. 27.09.2018. Ms. Maya Devi Chalissery, Assistant Professor, Dept. of English, Vimala College, Thrissur 44

#### Any other Relevant Information

CANKAMA 19- LACQUEEN JESSICA PAUL, ANUSRI A. - secured 1st and 2nd prizes respectively in Tamil Essay writing competition

ABHINAV BHARTI - 2nd position in Hindi Essay Writing, 3rd position in story writing

DHEERAJ M. PRADEEP - 2nd in Cartoon

Aanmary, Aleya Mohandas, Sharika Vinod - won 3rd price on English group song

Shiv Prasad - prize in Clay modeling

Balakrishnan Nair S - won 1st Prize in Quiz Competition

# Department of LLM

Head of the Department: Prof (Dr) K.C.Sunny and Dr. Gireesh Kumar.J  
Programme Offered: LLM, Ph.D. and PG Diploma in NRI Law

Aspiring to emerge as a premier center of legal scholarship, CU-Kerala offers a general/flexible LLM program that will cater to the needs of society, government and client. Our faculty of experts with extensive research/ real-world experience is committed to teaching, and our staff is dedicated to serving the needs of all our students. CUK Law Campus is located at Thiruvalla, close to the Thiruvalla court centre that houses Family Court, Sub Court, Munsiff's Court and the Judicial First Class Magistrate Court - enabling students to have a practical interface with the legal system. The High Court of Kerala is only a two-hour drive from the Law Campus. LLM and PhD courses are offered at the Law campus, Pathanamthitta.



Present Faculty Position								
Posts	Sanctioned			Filled up		Vacant	Total	
Assistant Professor	4			4		0	4	
Associate Professor	2			0		2	2	
Professor	1			1		0	0	

Students Enrolment								
Programme	General	SC	ST	OBC	PWD	Total	Male	Female
LL.M	30	2	0	14	0	46	12	34
Ph.D	4	0	0	2	0	6	3	3

#### Faculty Details

Dr. Gireesh Kumar J, Assistant Professor

Specialization : Constitutional Law, Administrative Law and Human Rights

Dr. Jayasankar K.I, Assistant Professor

Specialization : Constitutional Law and Criminal Law

Dr. Meera S, Assistant Professor

Specialization : Constitutional Law and Administrative Law

Aathira Raju, Assistant Professor

Specialization : Human Rights Law, Environmental Law and International Law

#### Board of Studies

Prof. (Dr) K.C. Sunny, Chairperson

#### External Members

Prof. (Dr) David Ambrose, Professor and Head ,  
Department of Legal Studies, University of  
Madras

Prof. (Dr) Bismi Gopalakrishnan, Dean, Professor  
and Head, School of Indian Legal Thought,  
M.G. University, Kottayam

Dr. Balakrishnan. K, Associate Professor, NUALS,  
Kochi

Dr. Lekshmi G.R, Assistant Professor, Government  
Law College, Ernakulam

#### Internal Member

Dr.Gireesh Kumar.J

#### Publications of the Faculty

Dr.Gireesh Kumar.J, 2018, Environment Ecology  
and Right to Development, An Overview,  
Ajanta, Ajanta Prakashan issue-4, Vol-07, ISSN  
No.2277-5730

2019, Right to Development, an expanded  
Arena of Human Rights. Human Rights and  
Constitutional Governance, ISBN No.978-93-  
5346-708-1

Dr.Jayasankar K.I.2018, Cyber Terrorism-a war  
against the security of the state. Indian Bar  
Review Vol.45(1)2018 (UGC Approved  
Journal-Journal No.41332)

Dr. Meera.S, 2019, Children and their Rights in  
Disasters A convention Approach, Human  
Rights and Constitutional Governance, ISBN  
No.978-93-5346-708-1

2019 Protection women prisoners-An  
International Perspective. Proceedings of the  
International Seminar on Realization of  
Women's Rights: International and National  
Perspective, ISBN 978-93-5351-440-2

#### Contributions of Edited book:

Dr. Jayasankar K.I, (2018) 'International  
Instruments Focusing on Women's  
Emancipations' (pp 48-50) in Legislative  
Mandate Towards Tribal Women, ISBN 978-  
93-86778-34-5

Dr. Jayasankar K.I, (2018) 'Human Rights of Sexual  
Minorities with special reference to  
Transgender in India-Legally Recognized and  
Socially Reprobated', in Human Rights and  
Constitutional Governance (pp.91-96),  
Department of Law, Central University of  
Kerala, ISBN 978-93-5346-708-1

Programmes Conducted by the Department  
International Interdisciplinary Seminar on  
Internationalization of Human Rights and  
Changing Dimensions of Fundamental

Rights. Dr. Gireesh Kumar J., Dr. Jayasankar K.I., Dr. Meera S., Mrs. Aathira Raju, Feb 7-9, 2019

National Seminar on "Centre State Relations in India. Prof. (Dr.) K.C. Sunny, Dr. Gireesh Kumar J., Dr. Jayasankar K.I., Dr. Meera S. Mrs. Aathira Raju, May 22, 2018

One Day National Seminar on "Law and Morality and Symposium on Decriminalisation of Adultery under Section 497 IPC: Social Implications", Prof. (Dr.) K.C. Sunny, Dr. Gireesh Kumar J., Dr. Jayasankar K.I., Dr. Meera S., Mrs. Aathira Raju, October 11, 2018

International Interdisciplinary Seminar on Internationalization of Human Rights and Changing Dimensions of Fundamental Rights, Feb- 7-9, 2019.

Department of Law, Central University of Kerala (Thiruvalla Campus) has organised International Interdisciplinary Seminar on INTERNATIONALIZATION OF HUMAN RIGHTS AND CHANGING DIMENSIONS OF FUNDAMENTAL RIGHTS on 7<sup>th</sup> to 9<sup>th</sup> February 2019. Seminar was inaugurated by Prof. (Dr.) R. Venkata Rao, the Hon'ble Vice Chancellor, National Law School of India University, Bangalore. Prof. (Dr.) G. Gopa Kumar, the Hon'ble Vice Chancellor, Central University of Kerala presided over the inaugural session and Prof. (Dr.) K.C. Sunny, the Hon'ble Vice Chancellor, NUALS Kochi delivered special address. Prof. Pamela Katz J.D., Professor of Legal Studies and Political Science, The Russel Sage College, New York delivered the key note address. The Department has published a peer reviewed book with ISBN titled "Human Rights and Constitutional Governance" in association with the Seminar and was released by Prof. Gopa Kumar during the inaugural session.

National Seminar on "Centre State Relations in India, May 22, 2018

Alumni Association of Department of Law has sponsored a National Seminar on "Centre State Relations in India" which was conducted on 22<sup>nd</sup> of May 2018. Inauguration of seminar was made by Prof Dr G Gopakumar, Honorable Vice Chancellor, Central University of Kerala. The function was graced by Prof. David

Ambrose, Professor and Head of Department of Legal Studies, University of Madras; Prof. V Sudesh, Professor Post Graduate .Dept. Of Studies in Law, Bangalore University; Dr. Bismi Gopalakrishnan, Director, School of Indian Legal Thought, M.G University, Kottayam; Dr. Bijukumar, Principal, Government Law College, Thiruvananthapuram and Mr. Anoop C ,President, Alumni Association, Department of Law,

The following students got Best paper awards.

Swathy S Department of Law, Central University of Kerala, (LL.M. section) Geethu Prakash, Government Law College Tvm (LL.B.Section) E Rejitha, CUSAT Kochi (Ph.D.Section)

One Day National Seminar on "Law and Morality and Symposium on Decriminalisation of Adultery under Section 497 IPC: Social Implications", Oct 11, 2018.

Department organised a One Day National Seminar on "Law and Morality". The seminar was inaugurated by Prof. (Dr.) V Sudesh, Dean, Faculty of Law, Bangalore University on 11th October 2018.

Other Achievement by the Faculty:

Dr.Gireesh Kumar J has acted as a Resource Person and Presented a paper titled "Scientific Discoveries and their Impact on Nature- A Human Rights Perspective" in the National Seminar on "Challenges of Human Rights in the 21<sup>st</sup> Century & Sustainable Development Goals" organized by National Human Rights Commission at, Thiruvananthapuram on 19-07-2018.

Dr.Gireesh Kumar J has Participated and Presented a paper titled "Sting Operations and Media Ethics, Legal Dimensions" in the National Seminar on "Media and Changing Society, Dilemmas and Challenges" organized by Army Institute of Law, Mohali, Punjab on 29-09-2018.

Dr.Gireesh Kumar J has Participated and presented a paper titled, "Environment, Ecology and the Right to Development, An Overview" in the International

Interdisciplinary Seminar on "Human Rights" organized by Commonwealth Vocational University and Indo- Global Chamber of Commerce, in Dubai, from 10<sup>th</sup> to 14<sup>th</sup> October, 2018.

Dr.Gireesh Kumar J has Participated and presented a paper titled, "Accessibility of Persons with Disabilities for Barrier- free Environment, Issues and challenges" in the National Seminar on "New Paradigms in Disability Studies and Health Laws: Meta Narrative and Realities" organized by the National Law University and Judicial Academy, Assam, from 27<sup>th</sup> to 28<sup>th</sup> October, 2018.

Dr.Gireesh Kumar J has Attended a three-day workshop on "Massive Open Online Course (MOOC) through SWAYAM & Production of Promo Video "organized by the Central University of Kerala 31<sup>st</sup> October to 2<sup>nd</sup> November, 2018.

Dr.Gireesh Kumar J has Participated and chaired a session in the National Seminar on "Human Rights Challenges to Medical Sector in India" Organized by the Centre for Medical Law, Government Law College, Ernakulam, Kerala on 11<sup>th</sup> and 12<sup>th</sup> January, 2019.

Dr.Gireesh Kumar J has Acted as an Invited Speaker in the Workshop on "Right to Emergency Care Bill" Organized by the School of Indian Legal Thought, Mahatma Gandhi University, Kottayam, Kerala on 17<sup>th</sup> January, 2019.

Dr.Gireesh Kumar J has Participated and acted as a Resource Person in the National Workshop on "Reservation Policy in India in the Light of the Changing Parameters" conducted by the National University of Advanced Legal Studies, Kochi, Kerala on 27<sup>th</sup> February, 2019.

Dr. Gireesh Kumar J has Participated and chaired a session in the National Seminar on "Realization of Collective Rights of Tribals, Issues and Challenges" Organized by the Centre for Law, Governance and Policy Studies, Government Law College, Ernakulam, Kerala from 08<sup>th</sup> to 10<sup>th</sup> March, 2019.

Dr.Gireesh Kumar J has Participated, acted as a Resource Person and presented a paper titled, "Indian Secularism Challenges Ahead" in the National Seminar on "Challenges to

Secularism in Indian Democracy" organized by the Department of Political Science and Public Administration, St. John's College, Anchal on 11<sup>th</sup> March, 2019.

Dr.Gireesh Kumar J has Engaged two Sessions on "International Humanitarian Law, Rights of the Displaced and Refugees" in the "UGC Refresher Course/ Summer School Social Sciences and Humanities" organized by the UGC, Human Resource Development Centre, Kannur University, Kerala on 19<sup>th</sup> March 2019.

#### Students Acheivements

Ms. Kavya Salim, Research Scholar of Department of Law has presented a paper titled " A study on the Adaptation Preparedness Strategies and Measures adopted to address Climate Change- Induced Infectious Diseases in Asia at the National Seminar on Climate Change Challenges in India: Role of Law, Policy and Management, organized by National Law School of India University, Bangalore.

Sony Raj S.S, Third Semester LL. M. student has presented a paper titled "Residuary Legislations in India : An Analytical Study" in National Seminar on Centre State Relations in India organized by Dept of Law Central University of Kerala on 22<sup>nd</sup> May 2018.

Swathy P. S Third Semester LL. M. student has presented a paper titled "Role of Governors in Centre State Relations" in National Seminar on Centre State Relations in India organized by Dept of Law Central University of Kerala on 22<sup>nd</sup> May 2018.

Vishnupriya Govind and Lekshmi Shibu of Third Semester LL.M, Nikhila PP and Jijo Antony of pass out batch cleared UGC NET and Jijo Antony of the senior batch also secured NET.

Badal Chatterjee, Arjun Philip George, Lekshmi Shibu, Vishnupriya Govind and Krishnapriya L bagged prizes in All India Curriculum Drafting Competition conducted by Ramaiah Law College Bangalore.

Ms. Lekshmi Shibu of third semester LL.M published an article titled "Cyber targeting of Women: A Socio Legal Analysis" in International Journal of Law and Jusitce, Vol. 1, Issue 1 of July 2018.

Nikhila PP, former student (2016-18 Batch), was



endowed with Justice V R Krishna Iyer Merit Award for securing highest position in the LL.M. Examination of Central University of Kerala in 2018.

Arjun Philip George of 1<sup>st</sup> Sem LLM presented paper titled "Gandhi's Violent India: A Gandhian Paradox" , in "South Indian Inter University Paper Presentation Competition" organised by Central University of Kerala, Department of International Relations and NSS Unit, Capital Centre , Thiruvananthapuram on 1<sup>st</sup> October 2018.

Ambika P. and Melchi Joseph Oommen of 1<sup>st</sup> semester LLM, Presented a paper titled 'Defamation in Cyber Crimes: Challenges and Solutions', in International Symposium on Victimology and Criminal Justice Global Perspectives, organised by Manonmaniam Sundaranar University, Abishekapatti, Tirunelveli in academic collaboration with Edinboro University of Pennsylvania, U.S.A on 9<sup>th</sup> November 2018.

Divya K 4<sup>th</sup> semester LLM, Department of Law Central University of Kerala Thiruvalla Campus, presented a paper titled "*Decent Work for Domestic Workers in India: Need for a Comprehensive Legislation*" co authored by Sangeeth Mohan K, in the International Conference on Future of Work, Labor Policy & the Law. Organised by Centre for Transparency and Accountability in Governance National Law University Delhi On 17<sup>th</sup> and 18<sup>th</sup> November 2018.

R.S Visruth Research Scholar, Department of Law Central University of Kerala Thiruvalla Campus presented a paper titled "*The Future of Legal Practice in the Era of Artificial Intelligence*" co-authored by Dr. Gireesh Kumar J, Assistant Professor Department of Law Central University of Kerala Thiruvalla Campus in the International Conference on Future of Work, Labor Policy & the Law. Organised by Centre for Transparency and Accountability in Governance- National Law University Delhi On 17<sup>th</sup> and 18<sup>th</sup> November 2018. Presented a paper titled Global Refuge to Refugees: A critical analysis in the International Conference on Humanities, Economics, Social Sciences and Law

conducted from 10th - 14th October, 2018 by the Indo Global Chamber of Commerce, Industries & Agriculture, Commonwealth Vocational University and Commonwealth Society for Innovation & Research @ Hotel Sheraton Creek, Dubai Presented a paper (Co-authored) titled "Accessibility of Persons with Disabilities for Barrier Free Environment Issues and Challenges: An Indian Perspective" - in the National Seminar on New Paradigms in Disability Studies and Health Laws: Meta-narratives And Realities conducted by the Centre for Disability Studies And Health Laws, National Law University and Judicial Academy, Assam on 27-28 October 2018.

Arjun Philip George ( of 1<sup>st</sup> Sem LLM), Lekshmi Shibu and Vishnupriya P Govind (both of 3<sup>rd</sup> Sem LLM) presented paper titled 'Moral Vigilantism: Imposing of State Morality Over the Civil Society', in One Day International Seminar on "Human Rights and Persons with Disabilities" organised by Law Mantra in academic collaboration with CAISHR- Rajiv Gandhi National University of Law, Punjab, Maharashtra National Law University Nagpur and International Council of Jurists, London at the Indian Law Institute, New Delhi on 2<sup>nd</sup> December 2018.

Arjun Philip George of 2<sup>nd</sup> Sem LLM and Sony Raj S S of 4<sup>th</sup> Sem LLM cleared UGC NET December 2018.

Swathy P S and Soorya Chandran presented a paper titled "Future Citizens into the Domain of Drugs", in National Conference on "Public Private Community Partnership in Prevention and Management of Drugs" organised by Department of Social Work, Central University of Kerala on January 2018.

Naveen Suresh of 2<sup>nd</sup> semester LLM secured 1<sup>st</sup> prize in photography competition conducted as a part of National Conference on "Public Private Community Partnership in Prevention and Management of Drugs" Organised by Department of Social Work, Central University of Kerala on January 2018.

Naveen Suresh of 2<sup>nd</sup> Sem LLM secured 3<sup>rd</sup> prize in extempore speech conducted by Department of Education, Central University of Kerala on January 2018.

# University Library

University Library of Central University of Kerala is a home for the largest collection of learning resources on Arts, Humanities, Science and Social Sciences. The Library supports research and educational endeavors of Students, Research Scholars, and the Faculties of the university by collecting, organizing, preserving and disseminating information and provide instructional programs in all formats through need-based services and enables access to online information resources using modern Information & Communication Technologies.

The Library is started to functioning in October 2009 at Vidyanagar Campus, as a centre of information for the academic community of the university within a short period of time attained a considerable level of development. The very ambience of the Library is appealing and user-friendly and is automated with Wi-Fi network. The library is automated with KOHA Open Source Integrated Library System. Library is using Dewey Decimal Classification (DDC) system to organize the knowledge collection.





Dr. P. Senthilkumaran, Deputy Librarian  
 Dr. Shivarama Rao K, Assistant Librarian  
 Dr. T. K. Gireesh Kumar, Assistant Librarian  
 Mr. Ashok Thomas, Professional Assistant  
 Dr. M. A. Shabu, Semi Professional Assistant  
 Ms. K. Priya, Semi Professional Assistant  
 Mr. Abdul Jaseem C., Library Assistant  
 Ms. K. P. Sreeja, Library Assistant

#### FACILITIES AND SERVICES

Fully Air-conditioned and Automated Library, OPAC & WebOPAC, Wi-Fi Network, Reference facility, Book Lending Service, Free Internet Access, Reprographic Facility, Inter Library Loan Facility, Video Show facility, Article Alert, Locker facility to keep the personal belonging of the users while in the library and Drinking water facility.

#### WORKING HOURS

Monday-Saturday	8.00 am to 8.00 pm
Sunday	9.00 am to 5.00 pm
Vacation Period	9.00 am to 5.30 pm

#### BOOK LENDING

Books are issued for the home reading to the all the members of the library. This privilege to borrow books have been given to the following categories of users:

Faculties	: 10 books at a time for 06 Months (per semester)
Research Scholars	: 8 books at a time for 30 Days
Students	: 5 books at a time for 15 Days (PG students)
Non- Teaching Staff	: 2 books at a time for 01 Month
UG Students	: 2 books at a time for 10 Days
Law Students	: 2 books at a time for 15 Days
Out sourced staff	: 2 books at a time for 15 Days

#### ELECTRONIC RESOURCES

The University Library is individually subscribing to both the Indian and foreign journals. In addition to that library also get access to qualitative electronic resources including full-text, bibliographic and factual databases through e-ShodhSindu: Consortia for Higher Education E-Resources, An Initiative by MHRD, Government of India executed by UGC INFLIBNET Centre. The following are the online resources currently accessible to Central University of Kerala under different access categories.

CLIS Internship Training Programme (July 2018 - One Month), University Library, Central University of Kerala  
 Students of Green Valley Public School, Calicut with the Hon'ble Vice-Chancellor and Dr. Shivarama Rao, Assistant Librarian  
 Interaction with Students of St. Pius X college Rajapuram, Kasaragod during the University Library visit

Workshop Conducted

Two Day National Workshop on Design & Development of Digital Library Using DSpace  
 National workshop on Design & Development of Digital Library using Dspace inaugural function.

National workshop on Design & Development of Digital Library using Dspace valedictory function.

Book Fair Conducted at CUK

Prof.(Dr.) G. Gopa Kumar, Vice Chancellor Inaugurating the Book Fair

CLIS Internship Training Programme (July 2018 - One Month), University Library, Central University of Kerala

Dr. Gireesh Kumar T.K. Assistant Librarian got "Best Young Librarian Award 2018" of Madras Library Association (MALA) in recognition of his outstanding contributions to the Library and Information Science Profession, on the occasion of 126th Birth Anniversary Celebration of Padmashree Dr. S. R. Ranganathan, held at Indian Institute of Technology Madras, Chennai on 12th August 2018.

#### PUBLICATIONS:

Articles published in Journals / Conference Proceedings:

Senthilkumaran, P, Deputy Librarian has acted as the chairperson and presented a paper in the International Conference on Emerging Trends in Librarianship: Role of Libraries in Learning Environment at Indian Institute of Management, Tiruchirappalli from 10-12 December 2018.

Ashraf and Senthilkumaran, P., has presented a paper on " A Study of Open Educational Resources in India" in the Two Day

international Conference on "Changing Scenario of Publishing Industries and the Role of Librarians" organized by the Department of Library and Information Science & University Library, at Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu during 23-24 January 2019.

Prasanth, M.P and Senthilkumaran, P (2019) has presented a paper "Growth and Trends Public Libraries in Kerala" in the International Conference on Future of Libraries at Indian Institute of Management, Bangalore during 26.2.2019 to 27.2.2019.

Prasanth, M.P and Senthilkumaran, P (2018) has presented a paper "online integrated Library Using Koha on Cloud: A case study based on the Kerala State Library Council's ongoing project, organized by Calicut University, Calicut.

Dr. Shivarama Rao, K Assistant Librarian has presented a research paper in the International Conference on Emerging Trends in Librarianship: Role of Libraries in Learning Environment at Indian Institute of Management, Tiruchirappalli from 10-12 December 2018.

#### ACHIVEMENTS OF LIBRARY STAFF

Best Young Librarian Award 2018



# Department of Linguistics

Head of the Department: Dr. Palanirajan G.  
Programmes Offered: M.A and Ph.D.

The Department of Linguistics was established in June 2012 under the School of Languages and Comparative Literature (SLCL) in the Central University of Kerala. It started by offering MA (Linguistics and Language Technology) in 2012 and direct PhD in (Linguistics and Language Technology) in 2015. Linguistics is the scientific study of human language, its structure and its diversity, how children learn it and how adults produce and understand it, how social practices shape and are shaped by it. Linguistics involves language analysis at various levels. At the core of it are Phonetics and Phonology (analysis at sound level), Morphology (at word-level), Syntax (at the sentence level) and Semantics (the level of meaning). Sociolinguistics, Pragmatics, Discourse Analysis etc. study language in use. Language Teaching and Testing, Computational Linguistics, Corpus Linguistics, Clinical Linguistics, Translation Studies and many more are the sub-disciplines called Applied Linguistics.

The Department of Linguistics at Central



University of Kerala is set up in the view to meet the gap that exists between Language Engineers and the Computer Engineers. The Department is focused on training students in Language Technology. We offer an MA and PhD courses in Linguistics and Language Technology. Our focus being Language Technology courses, eight courses are offered in the area. Apart from that the department also envisages research on tribal languages and language documentation. The Department's orientation is empirical: its approach to the structure and use of language confronts theory with first-hand observations. Therefore the Masters course in Linguistics and Language Technology offered by the department

equips the students with theory first and then launches them into the Language Technology courses.

The course enables the students to handle the issues in Language Technology. It also qualifies them to tap the resources and job opportunities in the field. Institutions like IITs, IIITs, CIIL, CDACs can be potential avenues for the student to excel. The students can also work in Neurology Institutes, Speech and hearing Institute with their training in Clinical Linguistics, Psycholinguistics etc. Anthropological Survey of India, Archaeological Survey of India, Census, Oriental Institutes and several NGOs, are other areas where the students can find their prospects.

Present Faculty Position									
Posts	Sanctioned			Filled up		Vacant	Total		
Assistant Professor	4			4		0	4		
Associate Professor	2			1 (Contract)		1	2		
Professor	1					1	1		

Students Enrolment									
Programme	General	SC	ST	O BC	PWD	Total	Male	Female	
PG	6	4	2	38	0	50	10	40	
Ph.D	6	1	1	3	0	11	5	6	

Faculty Details									
Dr.Ravi Sankar S Nair, Associate Professor (On contract)									
Specialization : Malayalam Syntax and Semantics, Dravidian Loanwords in Indian Languages, Teaching of Malayalam, Translation Studies, Tribal Language Studies									
Dr. Palanirajan G, Assistant Professor									
Specialization : Historical Linguistics, Corpus Linguistics, Semantics, Lexicography.									
Dr.Thennarasu.S, Assistant professor									
Specialization : Morphology , corpus Linguistics, Computational Linguistics and NLP									
Dr.curiously Bareh, Assistant professor									
Specialization : Descriptive Linguistics Austro-Asiatic & Tibeto-Burman languages Endangered Language Documentation									
Dr. Chinmay Vijay Dharurkar, Assistant professor									
Specialization : Indian Grammatical Tradition, Morphology, Syntax, Translation Studies, Literary Criticism, Philosophy of Language									

List of Member of Board of Studies:  
 Dr. G. Palanirajan, Assistant Professor and Head I/C,  
 Chairperson  
 External Members  
 Dr. Radhakrishnan Nair, Research Scientist  
 Prof. G.Uma Maheshwar Rao  
 Prof. Umarani Pappuswamy  
 Prof. Sonal Kulkarani

Internal Members  
 Dr. Curiously Bareh, Assistant Professor  
 Dr. Ravisankar S Nair, Associate Professor  
 Dr. Rajeev V., Associate Professor  
 Details of Centers and their Academic Programmes if any:  
 Centre of Endangered Language

The Centre for Endangered Languages was allotted to Central University of Kerala, Kasargod. The First Instalment of the allocation for CEL was disbursed in November 2016. Consequent to this the academic activities of the Centre began in January 2017.

The Endangered Languages is grave and serious while the rate at which the languages are dying is alarming. It not only endangers the languages of the communities and the ways of living but inaction on the part of the society and the government defies the democratic idea of inclusion and inclusive growth. The Centre for Endangered Languages is a step towards documentation and preservation of the languages which do not have much documentation or Languages that are critically endangered.

Activities undertaken by Centres:

Documentation: Ten languages documentation (grammatical sketch plus word list) has been completed

Field work Questionnaire: A detailed questionnaire was prepared for data collection.

Compilation of Dictionary

Seminar/ Workshop

Fulbright Residency Program

Training in Corpus Development for Tribal Languages

Training for field studies

Publications of the Faculty (in the latest APA referencing style)

Ravisankar S Nair. 2018. Dravidian Origin of some verbal roots of Sanskrit. *Language in India* www.languageinindia.com ISSN 1930-2940 Vol. 18:6

Books:

Ravisankar S Nair. 2018. Malayalam- A Descriptive Outline. International School of Dravidian Linguistics, 2018. ISBN 978-81-85692-72-2

Palanirajan, G. 2018. [In Tamil] The Structure of Purananuru Index. R International Research Association. PP:103-110. ISBN 978-93-85349-17-1

Palanirajan, G. 2019. Kinship Terms: An Issue in Bilingual Lexicography. Pusthakabhavan. PP:07-22. ISBN 978-93-84110-84-0

Akilan, R., ER. Naganathan, Palanirajan, G. 2019. A Study on Morphological Analyser for Classical Tamil Literature. Pusthakabhavan. PP:35-45. ISBN 978-93-84110-84-0

Books: Darwin L, Palanirajan G., Umaraj K, Rajesh L, Akilan R and Kumaresan P, editors. (2019), Recent Trends in Language and Literature A Festschrift Articles for Dr. L. Ramamoorthy published by Pusthakabhavan. ISBN 978-93-84110-84-0.

Thennarasu, S. 2018. 'Collocation in CIIL Corpus: Implications for Language Teaching and NLP' in molivadam Collected papers in Applied Linguistics A Festschrift for Prof. N. Krupanandam (Eds. Parameswari Krishnamurthy and Sampath Babu Tokala) published by KY Publications, Guntur, A.P. pp.140-152. ISBN 978-93-87769-37-3

S. Thennarasu, N. Vijayan, L.R. Prem Kumar, R. Amudha and M. Ramesh Kumar, editors. (2019), Landscapes of Linguistics and Literature A Festschrift for Dr. L. Ramamoorthy published by Thamizhaga Institute of Educational Research & Advancements, Chennai, India. [978-9381101-53-7]

Bareh Curiously. (2019). A sociophonetic investigation of vowels in Pnar and its variants. *Assonace: A Journal of Russian and Comparative Literary Studies*. Vol. No 19. 2019 (January). pp 94-1077. ISSN 2394-7853

Bareh, Curiously & Heshu Aji (2019). A glimpse on the status of the tribal languages of Northeast India. Proceeding of National Seminar on Tribal Languages in India: Structure and Status, Dravidian University, Kuppam. 4-5 October, 2018

Rajitha, K.V & Curiously Bareh. (2018). Multilingual education: Its benefits and challenges. Working papers on Linguistics and Literature. Vol. XII-No. 1. Proceeding of Two Day International Conference on Functional Linguistics. Bharathiar University, Coimbatore: 26<sup>th</sup> 27<sup>th</sup> April, 2018. ISSN 2349-8420

Dharurkar Chinmay] 'bh ?'. 2018. [In Marathi ?i smr? : saiddh ntik vy ha' in *Mar ?h Sa? odhan Patrik* trimonthly October - December 2018 issue. Mumbai: Mumbai

Maraṭhi Granthasangrahalay. [ISSN: 0542-6421]

Dharurkar Chinmay. 2019. [In Marathi] 'maraṭhica bhaṭhika-vyavahara aṭi bhaṭhakarā?' in *Maraṭhi Saṅsodhan Patrika* trimonthly January - March 2019 issue. Mumbai: Mumbai Maraṭhi Granthasangrahalay. [ISSN: 0542-6421]

Dharurkar Chinmay. 2019. (Forthcoming). 'Object of linguistic analyses: Sanskrit grammatical tradition and Modern Linguistics'. Paper presented in the International Conference of Linguistic Society of India 40 held in CIIL, Mysore held in December 2018.

Dharurkar Chinmay (2019) 'Borrowed words make it informal! The pragmatics and aesthetics of code-mixing of English in Indian languages' in Rath, Arnapurna (et. al) (Ed) (2019) *Critical Essays on Literature, Language, and Aesthetics: A volume in honour of Milind Malshe*. Newcastle upon Tyne: Cambridge Scholars Publishing. pp. 249-261.

#### Ongoing Projects:

Palanirajan, G., Coordinator Centre of Endangered Language, funded by UGC, Total amount sanctioned for the project is Rs. 1,39,50,000 (One crore thirty nine lakhs fifty thousand)

Programmes Conducted by the Department  
Department of Linguistics conducted "Field work Training in Tribal Languages for students"  
Coordinated by Dr Palanirajan G from

22.03.2019 to 25.03.2019

Department of Linguistics in collaboration with PMMMNMTT Project, School of Education is organizing "A Symposium on Teaching Phonetics" Coordinated by Dr Bareh, Curiously from 26.03.2019 to 29.03.2019.

#### Other Achievement by the Faculty

Dr. Chinmay Dharurkar was awarded the prestigious award by IIT Bombay for Excellence in thesis work for his PhD that he earned from Dept. of Humanities and Social Sciences, IIT Bombay, Mumbai in August 2018.

#### Students Achievements

NET Qualified 02

Shahin a MA Student in the Department of Linguistics, has received award for second prize Radio community video challenge, conducted by Commonwealth Education and Media Centre for Asia, in 7<sup>th</sup> March 2019.

#### Any other Relevant Information

Research scholars receiving the Fellowships

2 (UGC non-NET)

3 (ICSSR)

1 (NFHE)

1 (MANF)

3 (ICCR)

1 (RGNF)

# Department of Malayalam

Head of the Department: Prof. (Dr.) Ajith Kumar N  
Programmes Offered: MA & Ph.D.

The Department of Malayalam (2015), is the 18th Department of study and research, set up under the Central University of Kerala. With Malayalam being conferred the status of a classical language, there has been a renewed interest in the study of the language the world over. This Department aims to conduct authentic study and research on Malayalam language, literature and Kerala culture. The contribution of Malayalam language, literature and the culture of Kerala to Indian nationalism, and the status of Malayalam literature in the context of world literature are some of the areas of research in this department. This Department undertakes studies with the aid of modern research techniques, with a view to sharing the results with the public and the academia. On 16<sup>th</sup> September 2015, at a function presided over by Prof. (Dr.) G Gopa Kumar, Hon. Vice Chancellor, the noted poet Prof V Madhusoodananan Nair inaugurated this Department, which has started its functioning with the conduct of the first year MA classes, with a full intake of 25 students.



Present Faculty Position							
Posts	Sanctioned		Filled up		Vacant	Total	
Assistant Professor	4		4		0	4	
Associate Professor	2		1		1	1	
Professor	1		1		0	1	

Students Enrolment							
Programme	General	SC	ST	OBC	Total	Male	Female
MA	14	2	0	42	58	10	48
PhD	4	4	0	4	12	5	7

**Faculty Details**  
Prof. Dr. Ajith Kumar N, Professor  
Specialization : Folklore, Cultural Studies and Performing Arts  
Dr. V. Rajeev, Associate Professor  
Specialization : Literary Criticism & Kerala Culture.  
Dr. Devi K, Assistant Professor  
Specialization : Translation and Cultural Studies  
Dr. Chandrabose R, Assistant Professor  
Specialization : Media Studies and Poetry  
Parvathy P Chandran, Assistant Professor  
Specialization : Feminist Studies  
Haridas K, Assistant Professor  
Specialization : Fiction

List of Member of Board of Studies:

Dr. Ajith Kumar N, Chairperson

External Members:

Dr. N . Ajaya Kumr, Professor of Malayalam, Sree Shankaraharya University of Sanskrit, Kaladi

Dr. M. Sanalkumaran, Professor and Head, Rtd. Dept. of Malayalam, Madurai Kamaraj University, Madurai

Dr. M. Krishnan Namboothiri, Professor of Malayalm, Sree Shankarachary University of Sanskrit, Trissur

Dr. A. M. Unnikrishnan, Associate Professor, Dept. of Malayalam, School of Distance Education, University of Kerala, Palayam, Thiruvananthapuram

Dr.V.Rajeev

Dr. Devi K

Dr. A M Unnikrishnan

Dr. M Krishnan Nambuthiri

The syllabus will be revised once in every three years. June 2018 Admission onwards The syllabus is revised in the board of studies meeting on 22,23 and 24 May 2018. The revised syllabus was introduced for 2018 admission onwards. Former syllabus was not

as per the regulation. Out of total 72 credits, there should be 60 credits for the core and 12 to elective as per regulation. But in the old syllabus it is only 48 and 24 respectively. In the revised syllabus the curriculum in changed as per the regulation ie 60: 12 ratio. A New paper was included as prose literature in which novel, short story and other creative literature were included. Malayalam criticism and History of language are introduced as new subjects. Folklore from elective was also included in core. Literary theory was divided into two parts as eastern and western for a detailed study in core. In elective Kerala renaissance study and Manuscriptology are also included as new papers. In the elective papers eminent writer Madhavikkutty was replaced to P Kungiraman Nair. Now the curriculum is updated considering the current and future academic peripheral.

Details of Centers and their Academic Programmes if any:

Center for Classical Language Malayalam



Activities undertaken by Centres:  
National seminar in Language and Kerala  
Renaissance movement in Kerala.

Celebrated World Mother tongue day  
Programmes.

Publication of the Faculty

Faculty	Title	Name of Journal/Book
Prof. Dr. Ajith Kumar N	Prakruthichithranam Balamaniyyamayute Kavithakalil	Balamaniyamma Padanangal, PK Parameswaran Nair trust, Trivandrum, (Published by DC Books, Kottayam), 2018.
Prof. Dr. Ajith Kumar N	Myth and Literature in kavileppaattu of Edasseri	Upadwani ISSN NO. 2459-7442
Prof. Dr. Ajith Kumar N	Navodhanam Sargathmakathayum Desasmruthiyum	Editor, Prof. (Dr.) Lissy Mathew HoD, SreeSankaracharya Sanskrit University Payyannur Center ISBN : 978-93-84110-64- 2
Dr. V. Rajeev	Ahimsayude akhyanam Balamaniyyamayude Kavithakalil.	Balamaniyamma Padanangal, PK Parameswaran Nair trust, Trivandrum, (Published by DC Books, Kottayam), 2018.
Dr. V. Rajeev	Surrealism,	Department of Malayalam, Malayalam University, Thiroor, 2018.
Dr. V. Rajeev	Keralathinte Samgeetha Parambaryam.	Department of Malayalam, Catholicate College, Pathanamthitta.
Dr. Chandra Bose R	Bharnakoode Bheekaratha Novelil Chengazi	peerreviewed Research Journal Vol 1 Issue 1 Jan-June 2019 ISSN\ 25819585
Dr. Chandra Bose R	Kuyilvahanan Paranna nootadudooram	Thudi Research Journal 2018 Oct-Dec Vol 6 Issue 4 ISSN 23208880
Parvathy P Chandran	Kerala Renaissance in Ponkunnam Verkeys short stories	Renaissance and Literature in Kerala) Publishers Dept of Malayalam Sreesankaracharya University of Sanskrit, Regional centre Payyannur. 2018
Parvathy P Chandran	Maranatthinte Manamulla Mazhayormakal (Short Story)	Prathichaya Weekly
Parvathy P Chandran	Maidhilygramam (Short Story)	Sabhalam Magazine
Parvathy P Chandran	Jamandhippookkal (Short Story)	Sabhalam Magazine
Parvathy P Chandran	Varumkalangal Penmayutethaavatte	Mahila Chandrika Magazine 2019 January
Haridas K		
Conference/Seminars/Workshops Attended by the Faculty Members		
Prof. Dr. Ajith Kumar N, Malayala Bhasha Padhanangal, 25.11.2018, P K Parameswaran Nair Trust Thiruvananthapuram, Paper Presentation		Prof. Dr. Ajith Kumar N, Socio-Reform Movements and the Integration of Kerala Society: The contribution of Mahatma Ayaankali, 07.12.2018, Mahatma Ayyankali Center for Kerala Studies Central University of Kerala Capital Center, Thiruvananthapuram, Paper Presentation
Prof. Dr. Ajith Kumar N, Romanticism Thought & Passion 'Purushothamasmruthi' Prakasanavum, 06.12.2018 SreeSankaracharya Sanskrit University Payyannur Center, Paper Presentation		Prof. Dr. Ajith Kumar N, Drusyakala Rangapadhavum Sahithya Padhavum (National Seminar), 6,7,8 March 2019

SreeSankaracharya, Sanskrit University Thrissur Center, Paper Presentation  
 Parvathy P Chandran, Romanticism in Madhavikuttys short stories, 5.12.2018, SreeSankaracharya University of Sanskrit Regional center Payyannu, Paper Presentation  
 Parvathy P Chandran, 'Polika' Three Day National Seminar on Folklore, 13.12.2018, Central University of Kerala Kasaragod Chaired  
 Parvathy P Chandran, Creating the text of theatre in contemporary Drama, 7.2.2019, Central University of Kerala, Chaired

Programmes conducted by the Department Vayanadinam, Dr. Ajithkumar N, 22.08.2017, 200

In Cooperat in with kanfed Madhuram Malayalam, Dr. Ajithkumar N, 10.7.2018, 100 In Cooperat in with Mathrubhumi daily

Two Days Seminar n Media Studies Dr. Ajithkumar N 2018 November 1, 2 150 Hon. Vice. Chancellor inaugurated the function. Vinod Mankara , -Well Known film director, Vinoy Mathew -Chief Correspondent of mathrubhumi Daily,

N Jayakrishnan , Asst. Director, Language Institute of keral Participated.

Polika Three Days National Seminar on Folklore, Dr. Ajithkumar N, December 11, 12, 13 201820, The Vice. Chancellor inaugurated the function, eminent folklorists Dr, RC Karipath, Dr. A M Sreedharan, Dr. Lissy Mathew, Dr. Deepesh VK presented their Papers.

Mathrubhasha Diwas (Mother Tongue day) Dr. Rajeev V, 26-02-2019 150

International Seminar, Dr. Devi K, 6,7,8.02.2019, 150, Inaugurated by the Hon. V C.

Penma Parvathy P Chandran, 08.03, 2019, 150, Inaugurated by the Hon. V C. Leelakumari Amma (Social Activist), Priya Sivadas (Human Resource trainer), Kanimol (Poet) attended the meeting as chief guest. 'Kadantharanga'

Seminar on Malayalam Short story, Dr. Ajithkumar N, 12,13,1.03.2019, 200, In association with Sahithya Academy New Delhi. Pro Vice Chancellor Dr. Jayaprasad Inaugurated the Seminar Registrar Dr. Radhakrishnan Nair chaired the inaugural session. The unveiling of

the photos of Vengayil Kunjiraman Nayanar and famous poet of Malayalam P Kunjiraman Nair was there. The chief guest during the occasion was Sri S Ramesan Nair famous poet in Malayalam. The famous short story writers Sri. C V Balakrishnan, Sri. Ambikasudan Mangad and eminent critic Dr. P V Krishnan Nair, Dr. Mini Prasad, Dr Joseph Koippalli Joseph Dr. Seema Chandran, Dr. Ifthiker Ahammed, Dr. Nadyath Gopalakrishnan, Rajeev Gopalakrishnan Dr. Krishnan Nambuthiri, Ajthan Menoth, Dr. A M Unnikrishnan were presented the papers. Sri. Krishna Poojappura film script writer also participated in the seminar. In the valedictory function was inaugurated by the Honorable Vice-Chancellor Dr. G Gopa Kumar Sri Balu Kiriyat eminent film director was the special Guest of the occasion.

Membership in International and National Body

Prof. Dr. Ajith Kumar N., Member of Kendra Sahithya Academy

Other Achievement by the Faculty

Invited talk by Dr. Ajith Kumar N

Myth and Literature in kavileppaattu of Edasseri (Invited Talk), 18.06.2017, All India Radio Thiruvananthapuram

Inagural talk on Folklore (Invited Talk) 20.07.2018 Mar Gregorios Memorial Central Public School, Thiruvananthapuram

Mother's Influence in Gur's View for New Social Formation (Invited Talk), 25.02.2019, Aruvippuram Temple & Sreenarayana Center, Thiruvananthapuram

Dr. Chandrabose

Course attended 2018 2019

UGC HRDC kannur university, RC in Indian language, 31.12.2018 to 19.1.2019

FDP on curriculum and Life skill, 29.11.2018 to 15.12.2018, PMMMMNTT school of Education CU kerala

Students Achievements:-

Cristy Thomas, JRF, General

Ayishath Hassura, JRF, General

Midhun Raj, NET, OBC  
Kiran Ram Navaneeth, NET, General  
Shajeena Varghese, NET, General

Awards

Kiran Ram Navaneeth, 1st prize, Kavi Ayyappan  
Akhila kerala kalalaya Kavitha Puraskaram

Silpa Chandran, 3rd prize, Poorna publication

Any other Relevant Information

One more centers started with the Department  
Center for olklore Studies, Dr. Ajith Kumar N,  
CUK/ACA/IIIrd/4th meeting/688/2018/1548,  
Dt. 14.01.2019

# Department of Mathematics

Head of the Department: Dr. V. Vilfred  
Programmes offered: M.Sc. & Ph.D.

The Department of Mathematics in Central University of Kerala was started on 08.08.2011 as one of the first six Departments of the University under the School of Mathematical and Physical Sciences (SMPS), which was established in 2011, and renamed as the School of Physical Sciences (SPS) in 2016. The Department offers Master of Science and Doctor of Philosophy programs in Mathematics with the major objective of developing a centre of excellence especially in Mathematical Sciences and its Applications.

The Department's research interests span across the broad areas of Algebra, Analysis, Combinatorics, Graph Theory, Control Theory, Differential Equations, Distribution Theory, Fixed Point Theory, Operations Research, Stochastic Modelling and Analysis, Special Functions, Topological Dynamics, etc.

We provide beginners with bridge course to become acquainted with the preliminaries of mathematics and the techniques to use and train them in the rigor and precision characteristic of mathematical reasoning. We prescribe papers that help to acquire the mathematical knowledge and the reasoning skills necessary to make effective use of mathematics.



Present Faculty Position								
Posts	Sanctioned			Filled up		Vacant		
Assistant Professor	4			4		0		
Associate Professor	2			2		0		
Professor	1			0		1		

Students Enrolment								
Programme	General	SC	ST	OBC	PWD	Total	Male	Female
M.Sc. Mathematics (2018-19 batch)	20	4	3	12	1	40	15	25
Ph.D. (2018-19) (Direct)	4	0	0	2	0	6	1	5

#### Faculty Details

Dr. V. Vilfred, Associate Prof. & HoD from 29.08.2016 onwards  
Specialization : Discrete Mathematics - Graph Theory and Combination  
Dr. K.A. Germina, Associate Professor  
Specialization : Discrete Mathematics -Graph Theory, Algebra  
Dr. Shaini P, Assistant Professor  
Specialization : Fixed Point Theory  
Dr. Ali Akbar K, Assistant Professor  
Specialization : Topological Dynamics  
Dr. S. Gnanavel, Assistant Professor  
Specialization : Partial Differential Equations, Inverse Problem  
Dr. Manikandan Rangaswamy, Assistant Professor  
Specialization : Stochastic Modeling and Analysis

#### List of Member of Board of Studies:

Dr. V. Vilfred (HoD), Chairperson  
External Member  
Prof. Gadadhar Misra, Dept of Mathematics,  
I.I.Sc., Bangalore,  
Prof. S. Kumaresan, Dept of Mathematics, UoH,  
Hyderabad,  
Prof. Nandha Kumaran, Dept of Mathematics,  
I.I.Sc., Bangalore,  
Prof. Rajan (Rtd), Dept of Mathematics,  
University of Kerala, Kariyavattom Campus,  
Thiruvananthapuram, Kerala.  
Internal Member  
Dr. K.A. Germina, Associate Professor  
Dr. Ali Akbar K, Assistant Professor

#### Publications of the Faculty

V. Vilfred and P. Wilson, 2019, Families of Circulant Graphs without Cayley Isomorphism Property with  $m_1 = 3$ , IOSR Journal of Mathematics, Vol. 15 (2), pp. 24-31. DOI: 10.9790/5728-1502022431. ISSN: 2278-5728, 2319- 765X  
K. A. Germina, 2018, Limiting Probability

transition matrix of a condensed Fibonacci Tree, *International journal of Applied Mathematics*, Vol. 31 (2), pp. 241-249.  
Nageswara Rao Karrey, Germina Kizhekekunnel Augusthy, 2018, On the mension of vertex labeling of k-uniform dcsl of an even cycle, *Turkish Journal of Mathematics*, Vol. 42, pp. 633-646.  
K. A. Germina, N. K. Sudev, K. P. Chithra, S. Satheesh and Johan Kok, 2018, n coloring parameters of Mycielski graphs of some graphs, *Discrete Mathematics, Algorithms and Applications*, Vol. 10 (3). 1850030 (21 pages).  
Germina KA., Ashraf P.K. and Sudev NK., 2018, A Study on Set-Valuations of Signed Graphs, *International Journal of Mathematical Combinatorics*, Vol.1, pp.34-40.  
K.A. Germina, Gency Joseph, L. Benedict Michael Raj, 2019, Characterization of span of base B-induced 1-uniform dcsl graphs, *International Journal of Applied Mathematics*, Vol. 32 (1), pp. 51-58.  
Prajisha E., Shaini P, 2018, Coupled fixed point theorems in partially ordered sets, Journal

Nonlinear Analysis and Application, Vol. 2018 No.2, 76-82.

Deepa Karichery and Shaini Pulickakunnel, 2018, FG-coupled Fixed Point Theorems for Contractive Type Mappings in Partially Ordered Metric Spaces, Journal of Mathematics and Applications, Vol. 41, pp. 157-170.

Ali Akbar K and V. Kannan, 2018, Set of Periods of a subshift, Proceedings-Mathematical Sciences, Indian Academy of Sciences, Vol. 128 (5), pp. 1-8.

#### Ongoing Projects:

Dr. K. A Germina is awarded with a project entitled, " Social Network Analysis using Centrality Measures of Graphs and Sigraphs - A Spectral Approach " funded by Science & Engineering Research Board under the Scheme: MATRICS. Total amount sanctioned for the project is Rs.6,60,000/-

Dr. Ali Akbar K is awarded with a project entitled, " A study on topological dynamical systems with emphasis on group dynamics" funded by Science & Engineering Research Board under the Scheme: MATRICS. Total amount sanctioned for the project is Rs.6,60,000/- and Number of Research Students Engaged is two.

#### Programmes Conducted by the Department

Dr. Eswaran Nambudiri T. C., Associate Professor, Govt. Prannen College, Thalasseri, Kerala delivered a talk on "Misery of PI and Gabor Frames" on the PI Day Celebration on 23.07.2018.

Dr. Manikandan Rangaswamy conducted a workshop on "MatLab and Numerical Computations" on 12-14 October, 2018. Dr. Asha Dond, IISc Bangalore and Dr. Gaddam Sharat, TIFR Centre for Applicable Mathematics, Bangalore were resource persons.

Dr. Ali Akbar K and Dr. S. Gnanavel conducted National Workshop on Glimpses Differential Geometry from 30.01.2019 to 02.02.2019. Prof. C.S. Aravinda, TIFR Bangalore, Prof. G. Santhanam, IIT Kanpur, Dr. Subrahmanian Moosath K.S., IIST, Thiruvananthapuram, Dr. Banktेशwar Tiwari, Banaras Hindu University, Varanasi, Dr. Anisa Mohamad Husen Chorwadwala, IISER, Pune and Dr. Mubeena T were resource persons for the workshop.

Resource persons, faculty and participants of the workshop on Glimpses of Geometry on

02.02.2019

On 07.02.2019, Dr. Gadadhar Misra, Bhatnagar Awardee, I.I.Sc., Bangalore delivered special lecture on Fundamental Theorem of Calculus and Dr. A.K. Nandakumaran, I.I.Sc., Bangalore delivered special lecture on Classical Problems: Calculus of Variations to Optimal Control.

On 08.02.2019, Dr. A.R. Rajan, Professor Emeritus, University of Kerala delivered special lecture on Semigroups of Transformations.

Dr. Manikandan Rangaswamy organized a workshop on "Artificial Intelligence and its Applications" three days residential camp for 9<sup>th</sup> standard students at KSOM during 15-17 February, 2019. This programme was jointly organized by CUK with KSCSTE-KSOM and SIET, Govt. of Kerala.

Resource persons, faculty and participants workshop on Artificial Intelligence & its Applications on 17.02.2019

#### Other Achievement by the Faculty

Dr. Manikandan Rangaswamy participated and delivered a talk on "Strategic joining in an M/M/1 queueing-inventory system with advanced reservation, cancellation, overbooking and common life time" in the International Conference on Advances in Applied Probability and Stochastic Processes- in Honour of Prof. A. Krishnamoorthy (ICAAP SP 2019) held at Centre for Research in Mathematics, CMS College, Kottayam 07-10, Jan 2019.

Dr. V. Vilfred delivered a talk and keynote address at National conference on Mathematics and computer applications (NCMCA 2019) on 29 January, 2019 at Women's Christian College, Chennai.

Dr. V. Vilfred served as a Resource person in National Seminar at Annai Velakanni College Tholayavattom, KK Dist., Tamil Nadu on 21.01.2019.

Dr. V. Vilfred served as a Resource person in National Seminar at P.K. College, Nagercoil, TN on 11.01.2019.

Dr. S. Gnanavel delivered a talk at Bishop Chulaparambil Memorial College, Kottayam on 22.02.2019.

#### Students Achievements

NET 4, SET 2, Ph.D. -1.

# Department of Physics

Head of the Department: Dr. Swapna Nair  
Programmes Offered : M.Sc. & Ph.D.

Department of Physics started functioning in 2010 at Riverside Transit Campus, Padannakkad. Our current areas of research are Condensed Matter Physics (Theory and Experiment), Photonics, Materials Science, and Nuclear Physics. Currently there are six regular faculty members in the Department.

The Department of Physics offers M.Sc. and Ph. D programmes. We currently have 56 M. Sc students, and 28 research students. A total of 6 PhD projects have been completed. The Department has well-equipped teaching laboratories including modern experimental setups for achieving high standards in learning. The curriculum is framed in such a way that students are able to achieve sound theoretical foundation and problem solving skills in all subjects, and exposure to a range of research areas is provided through a choice of elective courses. M.Sc. students are given hands-on training in all aspects of the subject being taught, from computation to sophisticated experiments,



and they also undertake research projects in various research groups as part of the curriculum. We encourage our students to present their work in conferences, and to publish their work in journals. We do give much emphasis to presentation skills and writing skills, and train/encourage students to appear for national level exams such as GATE and NET.

Experimental facilities for research include a Vibrating Sample Magnetometer, Table top XRD system, thin film fabrication facilities including RF sputtering, nuclear data acquisition

system, as well as various analytical instruments. A computational laboratory featuring Apple workstations, Dell workstations, and softwares such as Matlab, Mathematica, VASP (Materials Design), Gaussian, Comsol etc. support the theoretical work in both teaching and research. A computer cluster ("PHOTON") with 64 processing cores is also part of the Computing laboratory. Our library has a very good collection of textbooks of core courses, and advanced books and journals on topical research areas.

Present Faculty Position									
Posts	Sanctioned			Filled up		Vacant	Total		
Professor	1			1		0	1		
Associate Professor	2			2		0	2		
Assistant Professor	4			3		1	3		

Students Enrolment									
Programme	General	SC	ST	OBC	PWD	Total	Male	Female	
MSc	11	0	2	12	0	25	8	17	
PhD	0	0	0	1	0	1	0	1	

#### Faculty Details

Dr.K.J.Thomas, Professor

Specialization : Mesoscopic Physics

Dr.Vincent Mathew, Professor

Specialization : Computational Physics

Dr.Swapna S Nair, Associate Professor

Specialization : Low dimensional structures for functional devices, (NEMS/MEMS, nanoenergy harvesters, semiconductor optoelectronics and thin film solar cells), Biosensors and biomaterials

Dr.E.Prasad, Assistant Professor

Specialization : Nuclear Physics

Dr.Subasa Chandra Sahoo, Assistant Professor

Specialization : Magnetic Materials, Thin Films, Carbon and Diamond Related Materials

Dr.P.M.Aneesh, Assistant Professor

Specialization : Nanostructures and Devices

List of Member of Board of Studies:

Dr.SwapnaS.Nair, Chairperson

External Members

Prof.CVijayan, Department of Physics, Indian Institute of Science and Technology Madras, Chennai.-600036.

Prof.Chandrasekharan, Department of Physics, National Institute of Technology, NIT

Campus.P.O, Calicut-673601

Prof.Manjunath Pattambi, Department of

Material Science, Mangalore University, Magalagangothri-574199

Prof.M.K.Jayaraj, Department of Physics, Cochin University of Science and Technology, Cochin-682022

Prof. K.J.Thomas

Prof.Vincent Mathew

Dr.Subasa Chandra Sahoo

Dr.Manikandan Ranngaswamy



- Dr.K.J.Thomas  
 Conductance quantisation in patterned gate In<sub>0.75</sub>Ga<sub>0.25</sub>As structures up to  $6 \times (2e^2/h)$ . Journal of Physics: Condensed Matter, 2019, 31
- Coherent Spin Amplification Using a Beam Splitter, Physical review letters, 2018, 120
- Engineering the spin polarization of one-dimensional electrons, Journal of Physics: Condensed Matter, 2018, 30
- Dr.Vincent Mathew  
 Variations of non-linear optical properties and susceptibility with layer thicknesses of CdS/ZnS/CdS/ZnS multilayer quantum dot Superlattices and Microstructures, 2019, 129
- Optical Properties of Planar and Annular Ternary Superconducting Photonic Crystals in Near-Zero-Permittivity Operation Range. Journal of Superconductivity and Novel Magnetism, 2019, Accepted
- Investigation of Transmission Properties in One-Dimensional Quasi-periodic Superconducting Photonic Crystals, Journal of Superconductivity and Novel Magnetism, 2018, 31
- Multichannel filtering properties of a one-dimensional photonic crystal composed of semiconductor photonic quantum well defect Silicon, 2018, 10
- Dr.Swapna S.Nair  
 Comparative study of the structural and magnetic properties of alpha and beta phases of lithium ferrite nanoparticles synthesized by solution combustion method, Journal of Magnetism and Magnetic Materials, 2019, 462
- Room Temperature Magnetoelectric Properties of Lead-Free Alkaline Niobate Based Particulate Composites, Ceramics International, 2019, 45
- Magnetoelectric coupling in strained strontium titanate and Metglas based magnetoelectric trilayer, Journal of Alloys and Compounds, 2019, 789
- Synthesis and Characterization of Nanosized Cobalt Manganese Alloys, Advanced Science Letters, 24
- Strong sub-resonance magnetoelectric coupling in PZT-NiFe<sub>2</sub>O<sub>4</sub>-PZT thin film composite, Nano-Structures & Nano-Objects 2019, 18
- Cytotoxicity of nanoparticles - Are the size and shape only matters? or the media parameters too?: a study on band engineered ZnS nanoparticles and calculations based on equivolume stress mode, Nanotoxicology, 2019
- Room temperature magnetoelectric coupling effect in CuFe<sub>2</sub>O<sub>4</sub>-BaTiO<sub>3</sub> core-shell and nanocomposites, Journal of Alloys and Compounds, 2018, 731
- Study of structural and magnetoelectric properties of  $1-x(\text{Ba}_{0.96}\text{Ca}_{0.04}\text{TiO}_3)_x(\text{ZnFe}_2\text{O}_4)$  ceramic composites, Journal of Materials Science, 2018, 29
- Enhanced photoconductivity in CdS/betainin composite nanostructures, RSC Adv. 2018, 8
- Dr.E.Prasad  
 Nuclear dissipation at high excitation energy and angular momenta in reactions in reaction forming <sup>227</sup>Np Physical Review C, 2019, 99
- Nuclear structure dependence of fusion hindrance in heavy element systems Physical Review C, 2018, 97
- Capture cross sections for the synthesis of new heavy nuclei using radio active beams Physical Review C (Rapid communication), 2018, 97
- Sub-barrier quasifission in heavy element formation reactions with deformed actinide target nuclei Physical Review C, 2018, 97
- Dr.S.C.Sahoo  
 Effect of annealing on structural and magnetic properties of NiFe<sub>2</sub>O<sub>4</sub>/ZnFe<sub>2</sub>O<sub>4</sub> nanocomposites, Journal of Magnetism and Magnetic Materials, 2019, 469
- Structural transformation and magnetic properties of copper ferrite nanoparticles prepared by sol-gel method, Journal of Materials Science: Materials in Electronics, 2018, 29
- amylase immobilized on magnetic nanoparticles: reusable robust nanobiocatalyst for starch hydrolysis", Materials Research Express, 2018, 5
- Monolayer grafting of aminosilane on magnetic nanoparticles: An efficient approach for targeted drug delivery system, Journal of Colloid and Interface Science, 2018, 529
- Effect of reaction time on structural and magnetic

properties of greenly synthesized magnetic nanoparticles. *Journal of Physics and Chemistry of Solids*, 2018, 120

pH triggered curcumin release and antioxidant activity of curcumin loaded  $\gamma$ -Fe<sub>2</sub>O<sub>3</sub> magnetic nanoparticles", *Materials Letters*, 2018, 223

Tailoring magnetic properties of cobalt ferrite nanoparticles by different divalent cation substitution. *Journal of Materials Science: Materials in Electronics*, 2018, 29

Dr.P.M.Aneesh

Enhanced Optical, Magnetic and Hydrogen Evolution Reaction Properties of Mo<sub>1-x</sub>Ni<sub>x</sub>S<sub>2</sub> Nanoflakes. *RSC Advances*, 2019, 9

Phase Engineering from 2H to 1T-MoS<sub>2</sub> for Efficient Ammonia PL Sensor and Electrocatalyst for Hydrogen Evolution Reaction, *Journal of Electrochemical Society*, 2019, 166

Effect of Growth Techniques on the Structural and Optical Properties of TiO<sub>2</sub> Nanostructures, *Materials Research Express*, 2018, 5

MoS<sub>2</sub>-ZnO Nanocomposites as Highly Functional Agents for Anti-Angiogenic and Anti-Cancer Theranostics *Journal of Materials Chemistry B*, 2018, 6

Faculty including Books, Journals, Contributions

Recent patents in multiferroics and magneto electrics, Ed: Swapna S. Nair, Bentham Science

### Ongoing Projects:

Name of the Investigator	Title of the project and duration	Funding Agency	Amount sanctioned
Swapna S Nair	Role of Copper handling proteins in Cisplatin Drug resistance 3 Years	DBT, India	25,00,000
Swapna S Nair	Novel Lead free 1-D magneto electrics based on Niobates and Metglas and optimisation of their properties for nanocantilevers and field sensor application 3 Years	DST - SERB	22,56,000/-
E Prasad	Systematic investigation of the effect of neutron excess in ER survival probability against fission in heavy ion fusion reaction 3 years	IUAC-UFR	6,75,000.00
E Prasad	A systematic study of fusion and quasifission in heavy nuclei-paving the road to new element synthesis. (Indo-Russian bilateral project) 2 years	DST-RFBR	18,57,200.00
E. Prasad	Searching the stabilizing effects of N=126 in compound systems formed in heavy ion collisions 3 years	IUAC-UFR	6,75,000.00
P M Aneesh	Solution processed organic solar cells with inverted configuration for the improved photovoltaics 3 Years	DST- SERB-ECR	43,70,515

Publishers (Special Issue)

*Ferrofluids*, Swapna Nair and M.R. Anantharaman., Nova Science Publishers USA

### Book Chapters:

Swapna S. Nair, "Synthesis, characterization and application of Smart magneto-rheological fluids" in a book entitled "Synthesis, characterization and application of Smart Materials" Eds. Radheshyam Rai, NOVA Science Publishers, USA., (ISBN 978-1-61470-642-7, novapublishers.com).

Swapna S. Nair, "Thin film fabrication techniques, in a book entitled "Smart Materials, Eds. Radheshyam Rai, NOVA Science publications, USA. (ISBN 978-1-61470-642-7, novapublishers.com)

Swapna S Nair Lead Article: Recent patents in Multiferroics and magneto electrics, Bentham Science Publishers, U.S.A., Recent Patents on Materials Science 7 (2), 90-98

Swapna S Nair Editorial : Recent patents in Multiferroics and magneto electrics, Bentham Science Publishers, U.S.A., Recent Patents on Materials Science 7 (2), 87-89

P. M. Aneesh and M. K. Jayaraj, ZnO nanostructures for optoelectronic applications, *Advanced Nanomaterials* (Apple Academic Press (AAP), Canada), Hard ISBN: 9781926895796

Programmes Conducted by the Department  
National Workshop on Computational Physics  
(NWCP-19') on 25.03.2019 to 27.03.2019

#### Other Achievement by the Faculty

K. J. Thomas, Royal Society Research Fellowship  
2000-2008

Vincent Mathew INSA International Exchange  
Award, (2007) Member, IEEE

Life member of Indian Association of Physics  
Teachers

Swapna S. Nair

FCT Bolsas BPD Award 2007

FCT-POPH/European Commission research  
award 2011 MRS Singapore Member

E. Prasad

Young Achiever award 2013  
Sarathipuraskarasamiti, Balgokulam.

Australian Research Council Fellowship (2014-  
2017)

Visiting Scientist (Australian National University,  
May -June 2018)

Indo-Russian (DST-RFBR) bilateral project (2017-  
2019)

Visiting Scientist (Australian National University,  
June-July, 2019) NRNN international  
advisory committee member

Subasa C. Sahoo

Visiting Scientist (Korea Institute of Science and  
Technology) Life member of IIT Bombay  
Alumni Association

P.M. Aneesh

DST Postdoctoral Fellowship-2012

ICTP TRIL International Fellowship-2012

ENEA International Fellowship-2011  
SPIE(International Society for Optical  
Engineering) Student Member

ECS(Electrochemical Society) Student Member

MRS-S (Materials Research Society of Singapore)  
Student Member

Name of the Faculty	Publications	Citations	IF range	H-index and I 10 index
Dr.K.J.Thomas		2146		16, 21
Dr.Vincent Mathew	71			
Dr.SwapnaS.Nair	51	1057	1 to 7.78	12, 15
Dr.E.Prasad		549		12, 17
Dr.S.C.Sahoo		340		10, 12
Dr.P.M.Aneesh	31	513	1 to 12.102	11, 12

#### Students Achievements (Year 2018-19)

Ganga R. Nair (M.Sc. student) participated in  
IUCAA training workshop for Astrophysics  
Research and Education during 10-23 March  
2019 in University of Southampton, UK

Laveen P.V. (Ph.D. student working with Prasad  
E.), received IAEA grant for participating and  
presenting paper in international conference  
on Nuclear Data for science and Technology,  
Beijing China

Neeli Chandran- (Ph.D.Student working with  
Dr.Swapna Nair) got best poster award in  
International conference on advanced  
nanostructures (ICAN-2018), May 12-14,  
Pathanamthitta.

Levna Chacko - (Ph.D.Student working with Dr.  
P M Aneesh) received the Innovator Award -  
2019 by the Innovation Club, Central  
University of Kerala

Shareef M (Ph.D. student working with Prasad

E.) received DST International Travel grant to  
present a paper in NN 2018 Conference Japan  
2018

M. G. Shalini (Ph.D. student working with Dr.  
S.C. Sahoo) received best poster award in 29th  
Annual General Meeting of Materials Research  
Society of India and National Symposium On  
Advances In Functional And Exotic Materials,  
Bharathidasan University, Tiruchirappalli,  
Tamilnadu, India, Feb 14 -16 (2018).

#### Other achievements

Prabhash P.G. (Ph.D. Student - Dr.Swapna Nair)  
Secured Marie Curie Fellowship

Sisira Suresh secured Ph.D fellowship in  
University of Ottawa, Canada

C.S. Chitralkha (Ph.D. Student - Dr.Swapna  
Nair) secured Woman Scientist A Grant (20.4  
Lakhs)

Ajith S. Kumar (Ph.D.Student - Dr.Swapna

Nair) secured the best presenter award in International Conference on Nanomaterials, and nanocomposites 10-12, Feb. 2018, Kottayam.

Sharath N. Secured 1<sup>st</sup> rank in UGC CSIR NET examination.

28 Master alumni students are pursuing for Ph.D.

23 Master students have qualified for UGC-CSIR-NET

19 and 11 students have qualified for GATE and JEST respectively.

#### Any other Relevant Information

Ajith S, Kumar(Ph.D student), under the

guidance of Dr. Swapna Nair , fabricated a set up for the dynamic measurement of magneto electric coupling coefficient(MECC). The set up can measure the MECC in dc bias fields. The provision is provided to sweep ac magnetic field frequency from 1 Hz to 1MHz. The entire data acquisition and frequency sweep is automated using python programming. Such a stand-alone setup costs minimum 14 Lakhs if purchased from national/international vendors.

He also fabricated a sawyer Tower circuit for the standard ferroelectric hysteresis measurements.

# Department of Plant Science

Head of the Department: Dr. K. Arun Kumar  
Programmes Offered: M.Sc. & Ph.D

The Department of Plant Science was established as one of the four department in the school of Biological Sciences in 2013 with 16 students and five guest faculty. The department currently comprises of 6 permanent faculty, one post-Doctoral fellow, 30 Ph.D. scholars, 3 support staff and 58 masters students.

The teaching activities in the department cover a wide ranging curriculum designed to provide in depth knowledge to graduate students pursuing M.Sc. and Ph.D. degrees. We also conduct regular training programs and workshop for scientists and students outside the University. Faculty is also actively engaged in promoting science education in schools by organizing regular interaction program with the high school students.

Research program in our department covers wide range of aspects in Plant Science from fruit development, plant micro propagation, algal biochemistry and bio prospecting, genome stability in plants under stress, bio energy and plant-microbe interaction biology.



Present Faculty Position								
Posts	Sanctioned		Filled up		Vacant	Total		
Assistant Professor	4		4		Nil	4		
Associate Professor	2		1		1	1		
Professor	1		1		Nil	1		

Students Enrolment								
Programme	General	SC	ST	OBC	PWD	Total	Male	Female
PG	25	8	4	20	1	58	14	44
PhD	9	3	1	17	-	30	5	25

**Faculty Details**

Prof. (Dr). T Dennis Thomas, Professor  
 Dr. K Arun Kumar, Associate Professor  
 Specialization : Diversity, Biology and Biochemistry of algae

Dr. Jasmine M. Shah, Assistant Professor  
 Specialization : Plant Genetic Engineering, Plant-Agrobacterium Interaction, Plant Molecular Biology, Plant Functional Genomics, Epigenetics

Dr. Ginny Antony, Assistant Professor  
 Specialization : Molecular Plant Pathology, Molecular tools for crop improvement

Dr. Ajay Kumar, Assistant Professor  
 Specialization : Plant Developmental Biology

Dr. Chithra Manisseri, Assistant Professor  
 Specialization : Biofuel, Plant cell wall polymers structure-function relationships

**List of Member of Board of Studies**

Dr. K. Arunkumar, Chairperson

**External Members:**

Prof. (Dr.) T. Parimelazhagan, Department of Botany, Bharathiar University, Coimbatore

Prof. (Dr.) G. R. Janardhana, External expert-Member, Department of Botany, University of Mysore, Mysore

Prof. (Dr.) V. Sivaram, External expert-Member, Department of Botany, Bangalore University, Bangalore

Prof. (Dr.) K. R. Chandrashekar, External expert-Member, Department of Applied Botany, Mangalore University, Mangalore

**Internal Members:**

Prof. Dr. T. Dennis Thomas

Dr. Ginny Antony

Dr. K. Ramachandran

**Publications of the Faculty**

Prof. (Dr). T Dennis Thomas

Abraham J, Thomas TD (2017) Hairy root culture for the production of useful secondary

metabolites. In: S. Malik (Ed.), *Biotechnology and Production of Anti-Cancer Compounds*. Springer, Singapore. Pp. 201-230.

Deepa A.V., Anju M., Thomas TD (2018) The Applications of TDZ in Medicinal Plant Tissue Culture. In: Ahmad N., Faisal M. (Eds) *Thidiazuron: From Urea Derivative to Plant Growth Regulator*. Springer, Singapore. pp 297-316.

Silpa P, Roopa K, Thomas TD (2018) Production of Plant Secondary Metabolites: Current Status and Future Prospects. In: Kumar N (Ed.), *Biotechnological Approaches for Medicinal and Aromatic Plants*, Springer Nature Singapore Pte Ltd. Pp. 03-25

Dr. K Arun Kumar

Antony Roseline, T., M. Murugan, M.P. Sudhakar and K. Arunkumar. 2019. Nanopesticidal potential of silver nanocomposites synthesized from the aqueous extracts of red seaweeds, *Environmental Technology and Innovation*(Elsevier),13:82-93

M.P. Sudhakar, B. Ramesh Kumar, Thangavel

- Mathimani, K. Arunkumar. 2019. A review on bioenergy and bioactive compounds from microalgae and macroalgae-sustainable energy perspective, *Journal of Cleaner Production*, (Elsevier), 228,1320-1333
- Suvega, T. and K. Arunkumar. 2019. Probiotic bacteria promote the growth of associating host (red seaweed, *Gracilaria edulis*) also synthesize antibacterial protein, *Biocatalysis and Agricultural Biotechnology* (Elsevier), 19:101136.
- Mugesh., Arun, R., Arunkumar K., Murugan, M. 2018. Synthesis of biogenic copper nanoparticles embedded in graphene oxide-chitosan composite and its antibacterial and cytotoxic activities. *Journal of Nanoscience and Nanotechnology* (ASP), 19(5):2526-2532.
- Dr. Jasmine M. Shah
- Joseph JT., Jabeen NP., & Shah, JM. (2018). Plant reference genes for development and stress response studies. *Journal of Biosciences*, 43, 173187
- Joseph JT, Jabeen NP., & Shah, JM. (2019). Screening internal controls for expression analyses involving numerous treatments by combining statistical methods with reference gene selection tools. *Physiology and Molecular Biology of Plants*, 25, 289301
- Dr. Ajay Kumar
- Dubey M, Jaiswal V, Rawoof A, Kumar A, Nitin M, Chhakekar SS, Kumar N, Ahmad I, Islam K, Brahma V, Ramchiary N (2019). Identification of genes involved in fruit development/ripening in Capsicum and development of functional markers. *Genomics*. doi: 10.1016/j.ygeno.2019.01.002.
- Dr. Chithra Manisseri
- Lin F, Manisseri C, Fagerström A, Peck ML, Vega-Sánchez ME, Williams B, Chiniquy DM, Saha P, Pattathil S, Conlin B, Zhu L, Hahn MG, Willats WGT, Scheller HV, Ronald PC, Bartley LE (2016). Cell Wall Composition and Candidate Biosynthesis Gene Expression During Rice Development. *Plant and Cell Physiology*, pcw125. doi: 10.1093/pcp/pcw125
- Meineke T, Manisseri C, Voigt CA (2014). "Phylogeny in defining model plants for lignocellulosic ethanol production: a comparative study of *Brachypodium distachyon*, wheat, maize, and *Miscanthus giganteus* leaf and stem biomass". *PLoS ONE* 9(8): e103580. doi:10.1371/journal.pone.0103580
- Ellinger D, Glöckner A, Koch J, Naumann M, Stürtz V, Schütt K, Manisseri C, Somerville SC, Voigt CA (2014). Interaction of the *Arabidopsis* GTPase RabA4c with its effector PMR4 results in complete penetration resistance to powdery mildew. *The Plant Cell*, Vol. 26: 31853200
- Bartley LE, Peck ML, Kim SR, Ebert B, Manisseri C, Chiniquy DM, Sykes R, Gao L, Rautengarten C, Vega-Sánchez ME, Benke PI, Canlas PE, Cao P, Brewer S, Lin F, Smith WL, Zhang X, Jentoff RE, Foster SB, Zhou J, Ziebell A, An G, Scheller HV, Ronald PC (2013). Overexpression of a BAHD Acyltransferase, *OsAt10*, alters rice cell wall hydroxycinnamic acid content and saccharification. *Plant Physiology* 161: 16151633.
- Ellinger D, Naumann M, Falter C, Zwikowics C, Jamrow T, Manisseri C, Somerville SC, Voigt CA (2013). Elevated early callose deposition results in complete penetration resistance to powdery mildew in *Arabidopsis*. *Plant Physiology* 161: 14331444
- Ongoing Projects:
- Dr. K Arun Kumar
- Dr. K. Arunkumar is awarded with a project entitled "Isolation of anti-angiogenic compounds from seaweeds for anticancer drug development" funded by DST-SERB. Total amount sanctioned for the project is Rs.3994,000/-. Number of Research Students Engaged is one.
- Dr. K. Arunkumar is awarded with a project entitled "Biomass characterization-4 credits PG Elective course MOOC" funded by UGC-SWAYAM. Total amount sanctioned for the project is Rs.13,50000/-.
- Dr. Jasmine M. Shah
- Dr. Jasmine M Shah is awarded with a project entitled " Cloning and characterization of

gametophyte-specific promoters from plants" funded by KERALA STATE COUNCIL FOR SCIENCE TECHNOLOGY AND ENVIRONMENT (KSCSTE) agency. Total amount sanctioned for the project is Rs.21,78,000/-. Number of Research Students Engaged is one.

Dr. Chithra Manisseri

Dr. Chitra Manisseri is awarded with a project entitled " Sugarcane tops as potential biofuel feedstock: A study emphasizing feruloylation and biomass recalcitrance in widely cultivated Indian cane varieties" funded by UGC agency. Total amount sanctioned for the project is Rs.10,00,00/-. Number of Research Students Engaged is Nil.

Dr. Chitra Manisseri is awarded with a project entitled " Understanding the impact of cell wall phenolics and xylan-lignin cross-links on 1-Ethyl-3-methylimidazolium acetate pretreatment: A study based on selected crop residues" funded by DST-SERB agency. Total amount sanctioned for the project is Rs.40,50,000/-. Number of Research Students Engaged is one.

Other Achievement by the Faculty

Dr. Jasmine M Shah

*Refresher course attended*

Attended "Science Academies' Refresher Course in Plant Taxonomy" from December 12-26, 2018 at The Gandhigram Rural Institute (Deemed to be University), Tamil Nadu.

*Invited talks*

Invited to give a talk on the topic "Transgenerational memory of stress in plant genome" during the seminar, 'Biotechnology for biodiversity conservation and utilization' at the S.N. College of Technology, Kollam on November 2<sup>nd</sup>, 2018.

Invited to give a talk on the topic "Transgenerational memory of stress in plant genome" at S.D. College Alappuzha, February 22<sup>nd</sup>, 2018.

*Presentations*

Gave oral presentation on the topic "Pesticides induce memory in plants over multiple

generations" during the National Conference on New Trends in Bio-Technology & 14th Conference of Society of Cytologists and Geneticists at the Bapuji Institute of Engineering and Technology, Davangere, between 6<sup>th</sup>-8<sup>th</sup> March 2019.

Gave oral presentation on the topic "Molecular Basis of How Plants can be Used as a Potential Detector System to Analyse Environmental Hazards" at the 6<sup>th</sup> International Conference on Plants & Environmental Pollution (ICPEP-6) held at the CSIR-National Botanical Research Institute, Lucknow, from 27-30 November, 2018.

*Conferences attended*

Attended the Conservation Biologists meet at the Kerala State Biodiversity Congress (KSBC), January 2019, Govt. Brennen College, Thalassery, Kannur.

Attended the National Conference on New Trends in Bio-Technology & 14th Conference of Society of Cytologists and Geneticists at the Bapuji Institute of Engineering and Technology, Davangere, between 6<sup>th</sup>-8<sup>th</sup> March 2019.

Attended the 6<sup>th</sup> International Conference on Plants & Environmental Pollution (ICPEP-6) held at the CSIR-National Botanical Research Institute, Lucknow, from 27-30 November, 2018.

*Sessions chaired*

Chaired the presentation by Dr. Kanchi Gandhi, Harvard University during the National Conference on New Trends in Bio-Technology & 14th Conference of Society of Cytologists and Geneticists held at the Bapuji Institute of Engineering and Technology, Davangere, between 6<sup>th</sup>-8<sup>th</sup> March 2019.

*Programs organized*

Organizing member of DST INSPIRE internship program for Plus One students, Central University of Kerala. December 2018.

Organizing committee member, 'Innovation Fest, 2019', held at Central University of Kerala, February 18-20, 2018.

Organizing committee member, 'National Science



Day, 2019', held at Central University of Kerala, February 18-20, 2018.

Dr.Ajay Kumar  
 Refresher Course in Life sciences and Biotechnology (For University Teachers) Human Resource Development Centre- Jawaharlal Nehru University (HRDC-JNU), New Delhi, India.3 Weeks

Dr. Chithra Manisseri  
 Attended induction programme conducted by School of Education, CUK from 06-03-2019 to 05-04-2019.  
 Acted as Joint convenor for National Seminar on Women and the Environment organized by CWS,CUK during 18-19 March 2019.  
 Attend International conference on 'Recent trends in Environment, Sustainability, Agriculture and Life sciences' held at International youth hostel, Mysore, Karnataka on 2- 3 July 2018.

Students Achievements  
 Students cleared GATE 2019  
 M.Sc. 2018-19 batch  
 Anju T, Anju H, Akshay U Nair (Rank 59), Syama A.S., Ranjini R, Swathi A, Pallavi S. Nair, Sai Kiran, Aparna C, Vijaykumar M.B. , Jithin Jose, Prerna Singh

Students cleared CSIR JRF/Net (December 2018)  
 M.Sc. 2018-19 batch  
 Anju T (JRF), Aparna C (NET)

Students cleared JGEEBILS 2019  
 M.Sc. 2018-19 batch  
 Akshay U Nair

Students cleared Karnataka state eligibility test for lectureship (KSET), 2018  
 M.Sc. 2018-19 batch  
 Vijaykumar M.B

Students awarded with INDIAN ACADEMY OF SCIENCE Summer Internship  
 M.Sc. 2018-19 batch  
 Akshay U Nair

Anju T, Nisha G,  
 M.Sc. 2019-20 batch  
 Aravind M

Students who received CCMB Summer Internship 2018  
 M.Sc. 2018-19 batch  
 Sai Kiran

M.Sc. 2019-20 batch  
 Akhila S., Gayathri R. Satheesh

Students who received JNC SAR Summer Internship 2018  
 M.Sc. 2018-19 batch  
 Pallavi S Nair

Oral/Poster Presentations by M.Sc. Students  
 M.Sc. 2018-19 batch  
 Akshay U Nair presented a poster on the topic "Functional analysis of physiologically important putative genes by CRISPR-Cas gene knockout" during the 'Recent Advances in Molecular Biology 2019', Kannur University, Nileswaram Campus

M.Sc. 2019-20 batch  
 Aleem Yoosuf N gave oral presentation entitled 'Nutraceutical effect of beetroot and tomato on the toxicity induced by some food additives' at, International conference ICABS-19, EMEA college of arts and science, Kondotty, 27, 28 February 2019

Seminars/conferences/workshops attended by M.Sc. Students  
 M.Sc. 2018-19 batch  
 Akshay U Nair attended the 2<sup>nd</sup> 'Annual meeting of Biological Engineering Society and Conference' at IIT Bombay.  
 Akshay U Nair attended the 'Recent Advances in Molecular Biology 2019', Kannur University, Nileswaram Campus.  
 Akshay U. Nair attended capacity enhancement programme 2019 at Central University of Kerala.  
 Anju H participated in the 30<sup>th</sup> Kerala Science Congress held at Government Brennan

College, Thalassery, 28<sup>th</sup> 30<sup>th</sup> January 2018.

Anju H participated in the 31<sup>st</sup> Kerala Science Congress held at Fatima Mata National College, Kollam during 2-3 February 2019.

Anju H participated in ReVAB-2018 National conference on "Recent Advances in Virology and Bacteriology" at CUSAT.

Anju H participated in "Genetics of complex Disorders" organized by Department of Neurogenetics, Institute of Communicative and Cognitive Neurosciences (ICCONS), held on 11<sup>th</sup> and 12<sup>th</sup> January 2018.

Anju H participated in the Nature Camp held by Kerala Forest and Wildlife Department at Pambadum Shola National Park on Ecosystem Restoration Programme from 2022 January 2017.

Anju H Participated in camp held by Kerala Forest and Wildlife Department at Tattekkad Bird Sanctuary, 12-14 March 2016.

Anju H was involved in training of First Response Provider Course conducted by ANGELS International Foundation on 20th October 2017 by NSS unit Central University of Kerala.

Vijaykumar M.B. participated in the workshop on 'An insight into Analytical instruments for research' organized by Shree Chitra Tirunal Institute for Medical Sciences and Technology (SCTIMST), Thiruvananthapuram.

Vijaykumar M.B. participated in the Two days Kidoor bird fest @ Kidoor Kasargod.

Vijayakumar M.B. attended capacity enhancement programme 2019 at Central University of Kerala.

Anju T. participated in the 30<sup>th</sup> Kerala Science Congress held at Government Brennan College, Thalassery, 28<sup>th</sup> 30<sup>th</sup> January 2018.

Anju T. attended capacity enhancement programme 2019 at Central University of Kerala.

Anju T. attended Science Academys' lecture workshop on Plant Taxonomy in Malabar Botanical garden, Kozhikode.

Aparna C. participated in the 30<sup>th</sup> Kerala Science Congress held at Government Brennan College, Thalassery, 28<sup>th</sup> 30<sup>th</sup> January 2018.

Aparna C. participated in the 31<sup>st</sup> Kerala Science Congress held at Fatima Mata National College, Kollam during 2-3 February 2019.

Archana Sarah Biju participated in the 30<sup>th</sup> Kerala Science Congress held at Government Brennan College, Thalassery, 28<sup>th</sup> 30<sup>th</sup> January 2018.

Archana Sarah Biju attended capacity enhancement programme 2019 at Central University of Kerala.

Avani A. Suresh participated in the 30<sup>th</sup> Kerala Science Congress held at Government Brennan College, Thalassery, 28<sup>th</sup> 30<sup>th</sup> January 2018.

Haritha E.V. participated in the 30<sup>th</sup> Kerala Science Congress held at Government Brennan College, Thalassery, 28<sup>th</sup> 30<sup>th</sup> January 2018.

Haritha E.V. participated in the 31<sup>st</sup> Kerala Science Congress held at Fatima Mata National College, Kollam during 2-3 February 2019.

Haritha E.V. participated in ReVAB-2018 National conference on "Recent Advances in Virology and Bacteriology" at CUSAT.

Nisha G. participated in the 30<sup>th</sup> Kerala Science Congress held at Government Brennan College, Thalassery, 28<sup>th</sup> 30<sup>th</sup> January 2018.

Nisha G. participated in the 31<sup>st</sup> Kerala Science Congress held at Fatima Mata National College, Kollam during 2-3 February 2019.

Pallavi S. Nair participated in the 30<sup>th</sup> Kerala Science Congress held at Government Brennan College, Thalassery, 28<sup>th</sup> 30<sup>th</sup> January 2018.

Pallavi S. Nair participated in the 31<sup>st</sup> Kerala Science Congress held at Fatima Mata National College, Kollam during 2-3 February 2019.

Pallavi S. Nair attended the Kerala State Biodiversity Congress (KSBC), January 2019, Govt. Brennan College, Thalassery, Kannur.

Ranjini R. participated in the 30<sup>th</sup> Kerala Science Congress held at Government Brennan College, Thalassery, 28<sup>th</sup> 30<sup>th</sup> January 2018.

Ranjini R. participated in the 31<sup>st</sup> Kerala Science Congress held at Fatima Mata National College, Kollam during 2-3 February 2019.

Ranjini R. participated in ReVAB-2018 National conference on "Recent Advances in Virology and Bacteriology" at CUSAT.

Ranjitha K. participated in the 30<sup>th</sup> Kerala Science Congress held at Government Brennan College, Thalassery, 28<sup>th</sup> 30<sup>th</sup> January 2018.

- Ranjitha K. participated in the 31<sup>st</sup> Kerala Science Congress held at Fatima Mata National College, Kollam during 2-3 February 2019.
- Ranjitha K. participated in ReVAB-2018 National conference on "Recent Advances in Virology and Bacteriology" at CUSAT.
- Smija K.P. participated in the 30<sup>th</sup> Kerala Science Congress held at Government Brennan College, Thalassery, 28<sup>th</sup> 30<sup>th</sup> January 2018.
- Sneha P. participated in the 30<sup>th</sup> Kerala Science Congress held at Government Brennan College, Thalassery, 28<sup>th</sup> 30<sup>th</sup> January 2018.
- Shruthi Babu P. participated in the 30<sup>th</sup> Kerala Science Congress held at Government Brennan College, Thalassery, 28<sup>th</sup> 30<sup>th</sup> January 2018.
- Shruthi Babu P. participated in the 31<sup>st</sup> Kerala Science Congress held at Fatima Mata National College, Kollam during 2-3 February 2019.
- Swathi A. participated in the 30<sup>th</sup> Kerala Science Congress held at Government Brennan College, Thalassery, 28<sup>th</sup> 30<sup>th</sup> January 2018.
- Swathi A. participated in the 31<sup>st</sup> Kerala Science Congress held at Fatima Mata National College, Kollam during 2-3 February 2019.
- Swathi A. participated in ReVAB-2018 National conference on "Recent Advances in Virology and Bacteriology" at CUSAT.
- Swathi A. participated in the National Seminar on Biodiversity of Western Ghats at Govt. college Kasaragod.
- Kavyanjali B. K. participated in the National Seminar on Biodiversity of Western Ghats at Govt. college Kasaragod.
- Sai Kiran Ginkuntla Goud attended capacity enhancement programme 2019 at Central University of Kerala.
- Sai Kiran Ginkuntla Goud attended Science Academics' lecture workshop on Plant Taxonomy in Malabar Botanical garden, Kozhikode.
- Department of Botany, Kerala University, May 22-24, 2019.
- Akash Chandra Parida attended the Science Academies' lecture workshop on "Trends in Plant taxonomy Research and Teaching" at Govt College, Mahe, 10-11 January 2019.
- Arun M.R. attended the International conference "Provectus Plantae' 19 organized by the Department of Botany, Kerala University, May 22-24, 2019.
- Adarsh attended the International conference "Provectus Plantae' 19 organized by the Department of Botany, Kerala University, May 22-24, 2019.
- Aleem Yoosuf N. attended the International conference "Provectus Plantae' 19 organized by the Department of Botany, Kerala University, May 22-24, 2019.
- Aleem Yoosuf N attended the International conference ICABS-19, EMEA college of arts and science, Kondotty, 27, 28 February 2019.
- Soorya K. attended a Workshop on "An insight into analytical instruments for research" at Sree Chitra Tirunal Institute for Medical Science And Technology, Thiruvananthapuram.
- Akhila S. attended a Workshop on "An insight into analytical instruments for research" at Sree Chitra Tirunal Institute for Medical Science And Technology, Thiruvananthapuram.
- Shelly EP. attended a Workshop on "An insight into analytical instruments for research" at Sree Chitra Tirunal Institute for Medical Science And Technology, Thiruvananthapuram.
- Akshatha K.A. . attended a Workshop on "An insight into analytical instruments for research" at Sree Chitra Tirunal Institute for Medical Science And Technology, Thiruvananthapuram.
- Rajalakshmi Reghunath attended the Frontier lecture on " Bacterial Methylomes " by Nobel Laureate, Sir Richard J. Roberts held at University of Calicut on 14<sup>th</sup> January 2019.
- Rajalakshmi Reghunath participated in the Science Academies Lecture Workshop on "Taxonomy and Conservation of Plant Diversity " at JNTBGRI Palode On 24-25<sup>th</sup> January 2019.
- M.Sc. 2019-20 batch
- Anusree V.K. attended the Kerala State Biodiversity Congress (KSBC), January 2019, Govt. Brennan College, Thalassery, Kannur.
- Archa Vijay attended the International conference "Provectus Plantae' 19 organized by the

Rajalakshmi Reghunath demonstrated Botany Lab Experiments in INSPIRE camp held at St. Mary's College, Sulthan Bathery on 26-30<sup>th</sup> December 2018.

Akhila S. attended a two day training program - Analytical Devices Used In Biotechnology 2017-18 conducted by Sir Sayed Institute.

Akhila S. attended a 2 day workshop on "An insight into analytical instruments for research" at Sree Chitra Tirunal Institute for Medical Science and Technology, Thiruvananthapuram.

Gayathri R. Satheesh attended the Frontier lecture on "Bacterial Methylozymes" by Nobel Laureate, Sir Richard J Robert held at University of Calicut, 14 January 2019.

#### Students achievements in sports

M.Sc. 2018-19 batch

Pallavi S. Nair got Long jump 3<sup>rd</sup> place in University level sports meet, 2018.

Pallavi S. Nair got 3<sup>rd</sup> place in 5 km running at University level sports meet, 2018.

Pallavi S. Nair got Long jump 3<sup>rd</sup> place in University level sports meet, 2019.

Pallavi S. Nair got 3<sup>rd</sup> place in 4x400m relay, University level sports meet, 2019.

Vijayakumar M.B. got 2<sup>nd</sup> place in 5000m race walk (University athletic meet 2018).

Vijayakumar M.B. got 3<sup>rd</sup> place in relay 800m (University athletic meet 2019).

Vijayakumar M.B. got 3<sup>rd</sup> place in relay, University level sports meet, 2019.

Kavyanjali B.K. got 3<sup>rd</sup> prize for Javelin throw (University athletic meet 2018).

Kavyanjali B.K. got 2<sup>nd</sup> prize for Hammer throw (University athletic meet 2019).

Sai Kiran got 2<sup>nd</sup> place in 5k running at University level sports meet (University athletic meet 2018).

Sai Kiran got 3<sup>rd</sup> place in 1500m running at University level sports meet (University athletic meet 2018).

M.Sc. 2019-20 batch

Aravind M got 3<sup>rd</sup> place in 3000 m walking during the annual sports meet, Central University of Kerala on March 21<sup>st</sup> 2019.

Rajalakshmi Reghunath got First prize in Discuss

Throw at in Univeristy Athletics Championship on 22<sup>nd</sup> March 2019.

Rajalakshmi Reghunath participated in 79<sup>th</sup> all 'India Inter-University Atheletics Championship' held at Manglore University on 24-28<sup>th</sup> November, 2018.

Rajalakshmi Reghunath won First prize in Shot Put at University Athletics Championship on 21<sup>st</sup> March 2019.

#### Students achievements in arts

M.Sc. 2018-19 batch

1. Anju H. obtained 3<sup>rd</sup> prize in CANKAMA Indian folk group dance, Central University of Kerala.

Ranjini R. obtained 3<sup>rd</sup> prize in CANKAMA Indian folk group dance, Central University of Kerala.

Swathi A. obtained 3<sup>rd</sup> prize in CANKAMA Indian folk group dance, Central University of Kerala.

Haritha E.V. obtained 3<sup>rd</sup> prize in CANKAMA Indian folk group dance, Central University of Kerala.

Pallavi S. Nair participated in the Folk group dance at the Inter University South zone arts festival.

Rajinlal got 1<sup>st</sup> prize for Chenda, CANKAMA, Central University of Kerala.

Malayalam recitation first prize, Light music second prize - Avani A Suresh

M.Sc. 2019-20 batch

Akshatha K.A. got 3<sup>rd</sup> place in group dance, Indian Folk, CANKAMA'9, Central University of Kerala.

Archa Vijay got First prize in Hindi essay writing competition in CANKAMA'19, Central University of Kerala.

Archa Vijay got Third prize in English essay competition in CANKAMA'19, Central University of Kerala.

Sunandini Hebbar got First prize in freestyle solo dance competition in CANKAMA'19, Central University of Kerala.

Sunandini Hebbar got First prize in Kannada versification competition in CANKAMA'19, Central University of Kerala.

Sunandini Hebbar got First prize in western group dance in CANKAMA'19, Central University of Kerala.

Suraksha D.S. got First prize in western group dance in CANKAMA'19, Central University of Kerala.

# Department of Public Administration & Policy Studies

Head of the Department: Dr. M. R. Biju  
Programmes Offered: M.A., Ph.D.

The Department of PA& PS was started functioning in the year 2016. The Department is a part of the School of Social Sciences. The Dept. offers P.G. & Ph.D. Programmes. The Department started M.A. in Public Administration and Policy Studies in 2016 and Ph.D. in 2017. At present the Dept. is having 64 students pursuing M.A. course. Five students were admitted for the Ph.D. Programme in the year 2017. It was followed by Four more Students for Doctoral Programme in the year 2017 (December) & 2018.

The Dept. is having faculty strength of Five - One Associate Professor and Four Assistant Professors.



Present Faculty Position								
Posts	Sanctioned		Filled up		Vacant	Total		
Assistant Professor	4		4		--	4		
Associate Professor	2		1		1	2		
Professor	1		--		1	1		
Students Enrolment								
Programme	General	SC	ST	OBC	PWD	Total	Male	Female
MA	21	8	3	32	1	64	28	36
PhD	4	1	NIL	4	NIL	9	7	2
Faculty Details								
Dr. M. R. Biju, Associate Professor & HoD								
Dr.Ashalekshmi B.S, Assistant Professor								
Specialization : E-governance and Gender studies								
Dr. Devi Parvathy, Assistant Professor								
Dr.Gugulothu Srinu, Assistant Professor								
Specialization : Theories of Public Administration, Organisational Behaviour, Development Administration, Sustainable development								
Dr. RamaRao Bonagani, Assistant Professor								
Specialization : State and Political Theory, Policy Studies, Human Rights								

#### List of Member of Board of Studies:

Dr. M.R. Biju (Chairperson), Head, Department of Public Administration & Policy Studies, Central University of Kerala

#### External Members:

Prof. (Dr.) Y. Pardhasarathy, Department of Public Administration, Osmania University, Hyderabad

Prof. (Dr.) I. Rama Brahmam, University of Hyderabad, Hyderabad

Prof. (Dr.) B.S. Ghuman, Vice-Chancellor, Punjabi University, Patiala

Prof. (Dr.) D. Jeevan Kumar, Karnataka State Institute of Rural Development & Panchayati Raj, Bengaluru

#### Ineternal Members:

Dr. Ashalekshmi B.S Assistant Professor,

Dr. Jilly John, Assistant Professor

#### Details of Centers and their Academic Programmes if any:

Civil Service Coaching Centre of CU Kerala (CSCC-CUK) is attached with the Department of PA&PS.

#### Activities undertaken by Centres:

CSCC-CUK has so far organized 30 Programmes for the Civil Service Aspirants of Central

University of Kerala. Civil Service Experts, Career Specialists and Senior Academics, Scientista and Administrators engaged the Academic Sessions. Usually classes will be arranged on Saturdays.

#### Publications of the Faculty

Dr. M. R. Biju

#### Books:

Dr. M.R. Biju (2019) "Politics of Grassroots Democracy in India"; published by Concept Publishing Company, New Delhi, (ISBN No. 9789396682765) Pages 423.

Dr. M.R. Biju (2019) "Tourism Administration in India: Policy Issues and Alternatives" published by Concept Publishing Company, New Delhi, 2019 (ISBN No. 9788386682543) Pages 254.

#### Research Papers:

Dr. M. R. Biju (2018) "Decentralisation, Development and Governance in the Indian Context" International Journal of Political Science, October December, 2018.

Dr. M. R. Biju (2018) "Displacement and Land Acquisition: Global and National Magnitudes" South Asian Journal of Scio-Political Studies, Vol. XIX No. 1, July December, 2018.

Dr. M. R. Biju (2019) "Delivering Justice at the Grassroots: The Case of Gram Nyayalayas in India" South Asian Journal of Scio-Political Studies, Vol. XIX No. 2, January June, 2019.

Dr. M. R. Biju (2019) "Decentralisation, Development and Governance in Indian Federal Context" The International Journal of Political Science, Vol. V No. 1 January June, 2019.

Dr. M. R. Biju (2019) "Disaster Management Under Public Policy Perspective" The International Journal of Political Science, Vol. V No. 1 January June, 2019.

Dr. Gugulothu Srinu

Book:

"Administrative Thought" published by (ISBN No: 93-81512-30-2), Roadworthy Press Corporation, New Delhi-110059

Dr. RamaRao Bonagani

Research Papers:

Dr. RamaRao, Bonagani. (2018). Assemblies Elections of 2014: A Comparative Analysis of Andhra Pradesh and Telangana States in India. *Research Journal of Humanities and Social Sciences*, Issue 2, Volume 9,1-8.

Dr. RamaRao, Bonagani. (2018). Sustainable Societies: A Comparative Analysis of India and Canada. *Research Journal of Humanities and Social Sciences*, Issue 3, Volume 9, 615-620.

Ongoing Projects:

Dr. Ashalekshmi B.S. is awarded with a project entitled "E-Governance and Socio-Economic Development in Kerala: A Study on Akshaya Project" funded by Indian Council of Social Science Research, New Delhi. Total amount sanctioned for the project is Rs. 8 Lakhs.

Programmes Conducted by the Department (best 3 programmes with photo)

National Seminars/ Conferences:

ICSSR sponsored Three Day National Seminar on "Development, Displacement & Rehabilitation in India: Administrative and Policy Options" was organized by the Department of Public Administration & Policy Studies from 11<sup>th</sup> July, 2018 to 13<sup>th</sup> July, 2018. The Convenor of the programme was Dr. Devi Parvathy, Assistant

Professor, Dept. of PA&PS. Prominent Social Scientist who participated in the Seminar include Paranjay Guha Thakurtha (Former Editor of EPW); Prof. K. Srinivasalu (Osmania University, Hyderabad); Prof. Jeevan Kumar (KSRD&PR, Bangalore); prof. A.K. Dubey (National University of Rehabilitation, Lucknow); Dr. Priyanca C Mathur (CERSSE, Bangalore); Dr. Muhammed Irshad (TSDS, Mumbai); Damayantee Dhar (Journalist The Wire); Daya Bai (Social Activist); C.R. Neelakandan (Social & Political Activist) etc.

The Department hosted a Two Day National Seminar on "Urban Governance in India: Prospects and Challenges" on 20<sup>th</sup> & 21<sup>st</sup> March, 2019. The Convenor of the Programme was Dr. Ashalekshmi B.S., Assistant Professor. Prof. (Dr.) Y. Paradhasardhi (Osmania University), Prof. (Dr.) Neelima Deshmukh (RTM Nagpur University); Prof. (Dr.) P. Maduraiveeran (University of Madras); Dr. Marclin Pushpa (Chennai) were the resource persons. There was also an interactive session with Dr. D. Sajith Babu I.A.S. District Collector, Kasaragod. Dr. Ashalekshmi B.S. coordinated the Seminar.

National Workshop

Organised One Day National Workshop/ Training Programme on Rights of Women sponsored by NHRC, New Delhi on 22.02.2019. Prof. (Dr.) Rekha Pande, Director Centre for Women's Studies, University of Hyderabad delivered Keynote Address. Dr. Sajad Ibrahim, University of Kerala; Dr. Praveen, Govt. Medical College, Ernakulam and Dr. Reinhart Philip (CU Kerala) were the resource persons. The Programme Coordinator was Dr. Ashalekshmi B.S.

Other Achievement by the Faculty

Dr. M.R. Biju

Dr. M.R. Biju, Dean, School of Social Sciences and Head, Department of Public Administration & Policy Studies visited University of Technology, Mauritius as External Expert of PhD Viva-Voce held on 06<sup>th</sup> August, 2018.

Dr. Ashalekshmi B.S.

Presented a Paper on "Bureaucracy in the Era of Redefining Development" in the Two Day

National Seminar on Democracy, Development and Environment organised by Govt. Brennen College, Thalassery, sponsored by DCE, Govt. of Kerala on 30-31 October, 2018.

Participated in the Two Day Syllabus Revision Workshop of PG Board of Studies in Political Science, University of Kerala on 6-7 December, 2018.

Dr. Devi Parvathy

Presented a Paper on "*Women and Water Equity in India*" in the National Seminar on Structural Policies and Sectoral Impacts: Theory and Empirics organized by Dept. of Economics, Govt. College, Kasaragod on 8<sup>th</sup> and 9<sup>th</sup> November 2018.

Presented a Paper on "*Towards Sustainable Cities: Redefining Urban Governance*" in the three-day National Seminar on Society, Politics and Environment in Kerala: A Reassessment organised by Post Graduate Department of Political Science, University College Trivandrum on 17th to 19th December 2018.

Presented a Paper on Gender and Urban Mobility in India in the IAWS Conference held at Calicut University on "Intersectional Approaches to Addressing Gender, Religion, Culture: South India Focus" during 30-31<sup>st</sup> January, 2019.

Presented a Paper titled Privatisation of Water Resources in India: A failed Experience in three-day National Seminar on "Water Resource Management and Sustainable Development" University of Kerala, Department of Economics during 6th-8th February 2019

Dr. Gugulothu Srinu

He was presented a paper in International Conference; name of the conference is "Quality Teacher Education vis-a-vis School Education" Paper entitled "Issues &

Challenges of Teacher Education and Its Impact on Primary Education-Indian Scenario" which held on 24th and 25th January 2019, organised by Department of Education, Osmania University, Hyderabad.

Dr. RamaRao Bonagani

Presented a paper entitled "Social Sciences Higher Education's Pedagogy Issues in India" at the Two Days National Seminar on Higher Education in India: Emerging Challenges, organized by the Department of Political Science, New Government Degree College at Hyderabad held on 30 & 31<sup>st</sup> January, 2019.

Participated the 105<sup>th</sup> Orientation Course from 13<sup>th</sup> February to 12<sup>th</sup> March, 2019 at an UGC-Human Resource Development Centre(HRDC), University of Hyderabad, Hyderabad.

Students Achievements:

PhD Scholars of the Department has presented 30 (Thirty) Research Papers in various International and National Seminars. They have published over (20 Twenty) Research Papers in UGC Approved Journals during this period. PG Students of the Department also presented nearly 5 (Five) Research Papers in various National Conferences.

Three students of the Department cleared UGC NET conducted by NTA.

The PG students of the Department played an envious role in the Sports Meet of the University and they shared Overall Championship with the Department of Social Work School of Social Sciences.

Shetty Sai Dinesh, Research Scholar of the Department has been appointed as Research Officer in the Lok Sabha Secretariat, New Delhi.



# Department of Public Health and Community Medicine

Head of the Department: Dr. Elezebeth Mathews  
Programme Offered: Master of Public Health & Ph.D

The Department of Public Health and Community Medicine (PHCM) was established on 15th January 2016 and is the first Department under the School of Medicine and Public Health (SMPH). It is envisaged as a service oriented, academic and research based institution. The Department is offering a full-time, regular, on-campus, two year Master of Public Health programme, spread across four semesters. In addition, the department also offers PhD in Public health.



Present Faculty Position								
Posts	Sanctioned		Filled up		Vacant	Total		
Assistant Professor	4		4		0	4		
Associate Professor	2		0		2	2		
Professor	1		1		0	0		

Students Enrolment								
Programme	General	SC	ST	OBC	PWD	Total	Male	Female
MPH 2017-19	0	4	2	8	0	14	8	6
MPH 2018-20	6	5	0	16	0	27	11	16
PhD	2	0	0	0	0	2	0	2

**Faculty Details:**

Prof. (Dr) K.R Thankappan, Professor  
Specialization : Chronic Disease Epidemiology, Health Policy, Health Systems Research  
Dr Elezebeth Mathews, Assistant Professor  
Specialization : Chronic Disease Epidemiology, Health systems research, health promotion, Diabetes Epidemiology  
Dr. Sibasis Hense, Assistant Professor  
Specialization : Human Resource for Health, Health Management, Health systems research  
Mr.Kodali Prakash Babu, Assistant Professor  
Specialization : Health systems research, Health economics  
Ms.Jayalakshmi Rajeev, Assistant Professor  
Specialization : Health Policy, Child Health and nutrition. Health Inequalities

**List of Member of Board of Studies:**

Dr. Elezebeth Mathews, Assistant Professor and Head (i/c), Chairperson

**External Members:**

Prof. V. Ramankutty, Professor, Sree Chitra Tirunal Institute for Medical Sciences and Technology

Dr. Vijayakumar K, Department of Community Medicine, Sree Mookambika Institute of Medicine, Kulasekharam

Dr. B Unnikrishnan, Associate Dean and Professor, Department of Community Medicine, KMC, Mangalore

**Internal Members:**

Dr. Rajendra Pilankatta

Prof.(Dr.) K R Thankappan

**Details of Centers and their Academic Programmes if any**

Master of Public Health and PhD program

**Publications of the Faculty (in the latest APA referencing style)**

Prof.(Dr.) K R Thankappan

Mini GK, Sarma PS, Thankappan KR (2018)

Overweight, the major determinants of metabolic syndrome among industrial workers in Kerala, India: Results of across-sectional study, Diabetes & Metabolic Syndrome: Clinical Research & Reviews, doi: 10.1016/j.dsx.2018.07.009.[impact factor 0.961]  
Aziz Z, Mathews E; Absetz P; Sathish T; Oldroyd J; Balachandran S; Shetty SS;  
Thankappan KR; Oldenburg B (2018) A group-based lifestyle intervention for diabetes prevention in low- and middle-income country: Implementation evaluation of the Kerala Diabetes Prevention Program. Implementation Science 13:97 [https:// doi.org/10.1186/s13012-018-0791-0](https://doi.org/10.1186/s13012-018-0791-0) [impact factor 4.345]  
Thankappan KR, Sathish T, Tapp RJ, Shaw JE, Lotfaliany M, Wolfe R, Absetz P, Mathews E, Aziz Z, Williams ED, Fisher EB, Zimmet PZ, Mahal A, Balachandran S, D'Esposito F, Sajeev P, Thomas E, Oldenburg B (2018) A peer-support lifestyle intervention for preventing type 2 diabetes in India: a cluster-randomized controlled trial of the Kerala Diabetes Prevention Program. PLoS Med. Jun 6;15(6):e1002575. doi:

- 10.1371/journal.pmed.1002575.eCollection 2018 Jun. [impact factor 13.585]
- Harikrishnan S, Sarma S, Sanjay G, Jeemon P, Krishnan MN, Venugopal K, Mohanan PP, Jeyaseelan L, Thankappan KR, Zachariah G. Prevalence of metabolic syndrome and its risk factors in Kerala, South India: Analysis of a community based cross-sectional study. *PLoS One*. 2018 Mar 27; 13(3):e0192372. doi: 10.1371/journal.pone.0192372. eCollection 2018. [impact factor 2.806]
- Dr. Elezebeth Mathews
- Elezebeth Mathews, Emma Thomas, Pilvikki Absetz, Fabrizio D'Esposito, Zahra Aziz, Sajitha Balachandran, Meena Daivadanam, Kavumpurathu Raman Thankappan, Brian Oldenburg (2018) Cultural adaptation of a peer-led lifestyle intervention program for diabetes prevention in India: the Kerala diabetes prevention program (K-DPP). *BMC public health* 17 (1), 974 (IF- 2.42)
- Zahra Aziz, Elezebeth Mathews, Pilvikki Absetz, Thirunavukkarasu Sathish, John Oldroyd, Sajitha Balachandran, Suman S Shetty, KR Thankappan, Brian Oldenburg (2018) A group-based lifestyle intervention for diabetes prevention in low- and middle-income country: implementation evaluation of the Kerala Diabetes Prevention Program. *Implementation Science* 13 (1), 97 (IF- 4.34)
- Kavumpurathu Raman Thankappan, Thirunavukkarasu Sathish, PhD (doing), Robyn Jennifer Tapp, Jonathan E Shaw, Mojtaba Lotfaliany, Rory Wolfe, Pilvikki Absetz, Elezebeth Mathews, Zahra Aziz, Emily D Williams, Edwin B Fisher, Paul Z Zimmet, Ajay Mahal, Sajitha Balachandran, Fabrizio D'Esposito, Priyanka Sajeev, Emma Thomas, Brian Oldenburg (2018) A peer-support lifestyle intervention for preventing type 2 diabetes in India: a cluster-randomised controlled trial of the Kerala Diabetes Prevention Program. *PLoS medicine* 15 (6), e1002575 (IF- 11.67)
- Jayalakshmi Rajeev
- Jayalakshmi R. A Review of the Process of Formulating the Pain and Palliative Care Policy of Kerala, India. *EPRA International Journal of Multidisciplinary Research (IJMR)*. 2018; 4(10):158-63. ISSN (Online):2455-3662.
- Jayalakshmi, R., Srinivasan, K (2019). The Catch-Up Growth in Stunted Children: Analysis of First and Second India Human Development Survey Data. *Indian journal of Community Medicine (accepted for publication)*
- Jayalakshmi, R., Srinivasan, K (2019). The double burden of malnutrition: an assessment of 'Stunted Child and Overweight/Obese Mother (SCOWT) Pairs' in Kerala households. *Journal of Public Health Policy (accepted for publication)*
- Mr Prakash Babu Kodali
- CK Bhagyalakshmi, Kodali Prakash Babu. Utilization of Non-communicable disease services provided by public health facilities in Kasaragod, Kerala. *Archives of Medicine and Health Sciences*. 2019. (accepted for publication).
- Ongoing Projects:
- Dr. Elezebeth Mathews is awarded the Wellcome Trust/DBT India Alliance Early Career Award for her project titled, "Cluster randomized controlled trial to evaluate the effectiveness of a community based intense lifestyle intervention program to prevent the progression to diabetes, and facilitate its regression to normoglycaemia among women with isolated impaired fasting glucose in Kasaragod district, Kerala, India" by the Wellcome Trust/DBT India Alliance. Total amount sanctioned for the project- 1.59 crore Indian Rupees.
- Number of research students engaged -1
- Ms. Jayalakshmi Rajeev is awarded with minor research project titled "Assessment of employability skills: a mixed-method study of post-graduate public health students in Central University of Kerala" funded by PMMMMNMTT, School of Education (SoE), Central University of Kerala. Total amount sanctioned for the project is? 200,000
- Programmes Conducted by the Department
- An invited lecture on "Legal basis for public health practices and principles" was organized on 25<sup>th</sup> September 2018, delivered by Assistant Professor Dr. Jayasankar Indusankar, Dept. of Law, Central University of Kerala. The event was organized by Ms. Jayalakshmi Rajeev, Department of Public Health and Community Medicine
- A Special lecture was organized on "Ayushman

Bharat" (27 Sept 2018), delivered by the Hon'ble Vice Chancellor, Prof.(Dr.) G Gopakumar, Central University of Kerala. The lecture was organized under the leadership of Dr. Sibasis Hense, Assistant Professor, Department of Public Health and Community Medicine.

A 3-days workshop was organized between 3-5 October, 2018 on Advanced Bio-statistics with Dr. Jissa VT, Scientist C, Achutha Menon Centre for Health Science Studies, Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum as the resource person. The workshop was organized by Mr. Prakash Babu Kodali, Assistant Professor, Department of Public Health and Community Medicine.

Field visits were organized by the Department of Public Health in collaboration with Department of Environment Science and the Kanhangad Municipality for "zero waste" initiative in the municipality area. The Master of Public Health students regularly visited on Wednesdays and Saturdays every week to raise awareness on zero waste management and health hazards of improper waste management.

The Department of Public Health and Community Medicine, Central University of Kerala organized field work visit to organizations of Public Health importance in Hyderabad during 9th to 17th of March 2019. A total number of 23 MPH 2nd Semester students attended the field work, along with three faculty members, Dr. Sibasis Hense, Mr. Prakash Babu Kodali and Ms. Jayalakshmi Rajeev. The field work visits included visits to the organizations and the field sites of Piramal Swasthya, Medici Institute of Medical Sciences, SHARE India and University of Hyderabad. The students learnt how innovative solutions such as Mobile Medical Units (MMU's) and Telemedicine

services were helping in bridging the gap in last-mile health care provision. Further, the team witnessed how public private partnerships could transform health care ecosystems making health care available, accessible and affordable.

#### Other Achievement by the Faculty

Dr. Elezebeth Mathews was awarded the prestigious Wellcome Trust/DBT India Alliance Early Career Fellowship in the year 2018 with a research grant of 1.59 crores.

Dr. Sibasis Hense was invited as a Resource Person at Kanachur College of Nursing, Mangalore for a workshop on Research Methodology: current scenario, opportunities and challenges" in March 2019

Dr. Sibasis Hense completed a 28 days UGC Orientation Programme, organised by the Bangalore University in Bangalore in January 2019

Dr. Elezebeth Mathews completed the Induction Training Programme from 05.09.2018 to 04.10.2018 organized by PMMMMNMTT, School of Education at Central University of Kerala

#### Students Achievements

Dr Aswath Karunakaran (MPH 2016 batch) secured PhD admission under Erasmus Mundus Scholarship in the University of Norway

Ms Anjaly Joseph (MPH 2016 batch) secured PhD admission in Central University of Kerala

UGC NET cleared (*MPH 2016 batch*)

Ms Anjaly Joseph

Dr. Aswath Karunakaran,  
*MPH (2016-18 batch)*

Athulya Raj A

Sreena TV

# Department of Social Work

Head of the Department: Dr. Mohanan A. K.  
Programme Offered: Master of Social Work & Ph.D

The Department of Social Work was started with a Master Programme in 2012. It was started as one among the department initiated at the university during its inception. The department aspires to become a center of excellence in developing social work professionals for promoting justice and empowerment. With a judicious mix of theory and practice, the department has geared itself to be strong in teaching, research and learning. In the year 2016 the Ph.D. programme is also initiated at the department. Presently department is offering three specializations like, community development, Human resource development and medical and psychiatric social work. since 2018 onwards department is running center for gerontology.



Present Faculty Position								
Posts	Sanctioned		Filled up		Vacant	Total		
Professor	01		0		01	01		
Associate Professor	02		01		01	02		
Asst. professor	0404 (Dr.Renjith R Pillai-Under lien)		0			04		
Students Enrolment								
Programme	General	SC	ST	OBC PWD (OBC)		Total	Male	Female
MSW	20	06	03	10	01	40	12	28

#### Faculty Details:

Dr Mohan A K, Associate Professor & Head of the Department

Specialization : Community Development, Panchayath Raj

Dr Laxmi, Assistant Professor

Specialization : Community development, Counselling, Self Help Groups

Dr Jilly John, Assistant Professor

Specialization : Medical And psychiatric social work

Dr Dilip Diwakar G, Assistant Professor

Specialization : Community development and public health

#### List of Member of Board of Studies:

Dr. Mohan A K, Associate Professor and Head, Chairperson

#### External Members

Prof. Sekar K, Registrar, NIMHANS Bangalore

Dr. Rameela Shekar, Dean and Professor, School of social work, Roshni Nilaya, Mangalore

Dr. B T Lawani, Director, Bharathiya vidya peeth. Pune

Prof. L Tarabai, Rtd. Professor of sociology, Madurai Kama raj University, Madurai

#### Internal Members

Dr. Ashalekshmi BS

Dr. Jilly John

#### Details of Centers and their Academic Programme if any:

Center for Gerontology

#### Activities undertaken by Centres:

National conference on "Active Aging: Paradigms for Postmodern Era", Dr. Laxmi, 6<sup>th</sup> and 7<sup>th</sup> December 2018, funded by National Institute of Social Defence (NISD), New Delhi

#### Publications of the Faculty:

Mohan, A. K., & Dash, G. (2018). Promoting Healthy and Eco- Friendly School through students' participation. *Indian Journal of Public health Research & Development; An*

*International Journal*,9(3), 59-64

Mohan, A.K., & Akshatha K. (2018). Psycho-social problems among Adolescent Students and need for school Counselling Services. *Journal of Media and Social Development. Special Issues-2018/3*, 14-21

Mohan, A. K., & D'Souza, V. V. (2018). Risk-Inclusion in the Job Description of Deep Sea Fishermen: Special reference to costal Karnataka. *Journal of Media and Social Development. Special Issues,2018/3* 909-919

Mohan A K & Prakasha Amin. (2018). Knowledge of Traditional Healers Towards Mental Illness" in *Adelaide Journal of Social work*, Roshni Nilaya School of social work, Vol 5

Mohan, A.K & Prasieja, J.K (2018). Teachers' and School Counsellors' Awareness on POCSO Act. *Deeksha BI- Annual Journal of Social Work*,16(1),19-24.

Jilly John, & Aneesh M S, (2018). Problems and Prejudice of Men Who Have Sex with Men (MSM) In India. *International Journal of Creative Research Thoughts (IJCRT)* Vol (6)1.

Jilly John & Aneesh M S, (2019). The Challenges Due to Social Exclusion of Homosexual Men in Kerala. *Shodhaytan [AUJ-STN]*, Vol (5)10 p 1 - 10. DOI: 10.29070/AUJ-STN. (2019).

Jilly John & Akhila K P. (2019). Care and Protection of Sexually Abused Girls: A social concern

towards Integrated Child Protection Scheme .  
*International Journal of Advance & Innovative Research*. 6(13),87-92.

Dilip Diwakar G. & Austin S. Das. (2019). Solid Waste Management for Sustainable Tourism, *International Journal of Applied Social Science*, Vol 6 (2),: 399-406, ISSN : 2394-1405

Dilip Diwakar G. (2019). Framework to Study Exclusion in ICDS Centre: A Case of Kancheepuram District, Tamil Nadu, *International Journal of Research in Social Sciences* Vol 9 (2) 366-382, ISSN: 2249-2496.

Laxmi & Choolayil, C. A. (2018). Integrating Elderly into Community: A Socio-Economic Model. *Indian Journal of Gerontology* 32(4). 412-426.

#### Ongoing Projects

Dr Jilly John: As Principal Investigator of Major Research Project on "Development and Assessment of an Intervention Programme for Training of Counsellor Volunteers from Tribal Community for Handling the Psychosocial Problems among Tribals in Kerala" sponsored by Indian Council of Social Science Research, New Delhi for a period of 2018-2020 for an amount of. Rs.6,45,000/-.

Programmes Conducted by the Department Capacity Building Programme on Drug abuse prevention for school counsellors, Dr. Laxmi, 17<sup>th</sup> to 19<sup>th</sup> September 2018, funded by National Institute of Social Defence, New Delhi  
Capacity Building Programme on Drug abuse prevention for MSW students, Dr. Laxmi, 24<sup>th</sup> to 26<sup>th</sup> September 2018, funded by National Institute of Social Defence, New Delhi.

"Waste management awareness programme" in Tsunami colony, Dr. Laxmi, 23<sup>rd</sup> March 2019, The purpose of the programme was to educate the people about proper waste management and suggest alternatives for the waste management.

"Waste management awareness programme" in ICDS Centre, Kushal Nagar, Dr. Laxmi, 20<sup>th</sup> of March 2019.

National conference on "Public Private Community Partnership in Prevention and Management of Drug Abuse", Dr. Jilly John, 7<sup>th</sup> and 8<sup>th</sup> January 2019 in association with

National Institute of Social Defence, New Delhi.

Sensitization Program for Kudumbashree members on Prevention of Drug Abuse at Ajanoor panchayth, organised by Dr. Mohan A K, Department of Social Work, 19<sup>th</sup> December 2018

Sensitization Program for SHG members on Prevention of Drug Abuse- Udma Panchayath, organised by Dr. Mohan A K, Department of Social Work, 2<sup>nd</sup> January 2019

Sensitisation Program on Prevention of Drug Abuse at kuttikol for Kudumbshree members, organised by Dr. Mohan A K Department of Social Work, 16<sup>th</sup> January 2019

Sensitisation Program on Prevention of Drug Abuse at Pullur Periye panchayath for Kudumbshree members, organised by Dr. Mohan A K, Department of Social Work, 18<sup>th</sup> January 2019

"Her experiences in working with Tribals: Life and their struggles"- conducted an interactive talk with Social Activist Daya Bai, Social Work Students' Forum, 12<sup>th</sup> July 2018, at teach block 1, MSW classroom, CUK

"Importance of Blood Donation and Need of Blood Banks" Awareness session, Department of Social Work, 06<sup>th</sup> September 2018, at teaching block 1 of the University. Mr Sanal Lal J, National Executive Member of Federation of Indian Blood Donors' Organization, State Joint Secretary and District President, Blood Donors Kerala, was the resource person who handled the session.

Dr. Mohan A K organised two days Orientation session on ASER Survey, Department of Social Work, 19<sup>th</sup> and 20<sup>th</sup> July 2018 in association with ASER India (Annual Status of Education Report) Kerala Region. ASER India - South Regional Head, Shri. Nataraj and Kerala Region Head - Smt. Soumya handled the session.

"Kalthudu Badkoli" 2018-Rural Camp for the first year students, Department of Social Work, 29<sup>th</sup> October to 4<sup>th</sup> November 2018, at Peradala Koraga Colony, Badiyadukka, Kasaragod. Dr. Dilip Diwakar G was the Coordinator and Dr. Laxmi was the Joint Coordinator of the rural camp, about 38 students participated in the rural camp. The objective of the camp was to

understand the life of tribals, their socio-economic conditions, cultures, and traditions. Interact with the government officials to the government policies and programme, further facilitate them towards their development. Develop interpersonal relationship to work with them. Develop social work skills like planning, organizing, communication, implementation, coordination and team work.

"An orientation programme on using various strategies for the preparation of research papers, Department of Social Work, 4<sup>th</sup> October, 2018, The resource person was Dr. Senthil Kumar, Deputy Librarian, Central University of Kerala. The programme was conducted on about 56 PG students and 4 research scholars have attended this programme.

"Welfare Schemes and policy in municipality and role of social worker", Department of Social Work, the resource person was Mr. Vipin Mathew, Social Development Specialist PAY, Kanhangad Municipality. A total of 61 students have participated and benefitted from this programme.

One-day workshop on "Social Legislation", Dr. Dilip Diwakar, 4<sup>th</sup> March 2019, Department of Social Work, Central University of Kerala, CUK

#### Other Achievement by the Faculty

Under the guidance and leadership of Dr. Laxmi, Mr. Jesil and Ms. Manasavenu, students of Department of Social Work with support of UNNAT Bharath Abhiyan, we re-electrified Koraga School of Perdala colony of Badiyadka Panchayat. The programme was inaugurated by Dr. Radhakrishnan Nair, Registrar, Central University of Kerala on 27<sup>th</sup> March 2019 at Koraga School, Badiyadka

"Feed water for birds", Dr. Laxmi, 20<sup>th</sup> March 2019, a program in Government old age home paravanadukkam in the name "koodoorukam kuttirikam koottayirikam" handed over the pots to inmates of old age home and inaugurated the program. The inmates of the old age home placed the pots to different tress in the old age home and put water to all the pots and determined to put water every day

#### Students Achievements

Total 12 students are cleared NET in 2018-19.

#### Any other relevant information

Department has developed kitchen garden to promote sustainable and organic agriculture. The first year students involved in the programmes.



# Department of Yoga Studies

Head of the Department: Dr. Subramanya Pailoor  
Programme Offered: M.Sc. & PG

Department of Yoga Studies instituted on 2nd March 2018 under the School of Medicine and Public Health, is a recent addition to the niche educational curriculum and pedagogy of Central University of Kerala. It is a matter of pride that Central University of Kerala, is one of the six Central Universities in India identified by the Ministry of Human Resource Development, Government of India, to offer a range of programs in Yoga. Presently, Post Graduate Diploma in Yoga (PGDY) and M.Sc. (Yoga Therapy) courses are being offered by the Department. The pedagogy covers the study of traditional and philosophical aspects of Yoga. Integrated with this are practical sessions to impart knowledge of therapeutic applications of Yoga. Ph.D. programs and research-oriented activities will start in the Department shortly.



Present Faculty Position								
Posts	Sanctioned		Filled up		Vacant	Total		
Assistant Professor	02		NIL		02	02		
Associate Professor	01		NIL		01	01		
Professor	NIL		NA		NA	NIL		

Students Enrolment								
Programme	General	SC	ST	OBC	PWD	Total	Male	Female
M.Sc.	9	2	1	21	NIL	33	13	20
PGDY	10	1	NIL	11	NIL	22	10	12

#### Faculty Details:

Dr. Subramanya Pailoor, Academic Coordinator

Specialization : Yoga Therapy, Yoga Philosophy, Scientific Research in Yoga, Application of Yoga

Dr. Ganapathy Jois, Asst. Professor

Specialization : Yoga Therapy, Upanishads, Yoga Shastra, Applications of Yoga

#### List of Member of Board of Studies:

Dr. Rajendra Pilankatta, Dean School of Medicine and Public Health, CUK - Chairman

Prof. K. Subrahmanyam, Pro-Vice Chancellor, S-VYASA University, Bangalore - Member

Dr. Prashanth Shetty, Principal, SDM College of Naturopathy and Yogic Sciences, Ujire, Mangalore - Member

Dr. K. Krishna Sharma, Head Dept. of Human Consciousness and Yogic Sciences, Mangalore University, Mangalore - Member

Dr. Vijaya Kumar, Professor, Community Medicine, Ernakulam, Kerala - Member

Dr. Manjunath N.K., Professor & Director Research, S-VYASA University, Bangalore - Member

Dr. Ramesh M N., Professor & Head, Dept. of Molecular Biology, S-VYASA University, Bangalore - Member

Dr. Annapoorna K., Professor & Head, Dept. of Yoga, KMC, Manipal Member

Dr. Subramanya Pailoor., Academic Coordinator, - Convener

#### Details of Centers and their Academic Programmes if any:

##### Activities undertaken by Centers:

Organized Two-day National Seminar on Yoga for World Peace Harmony & Love A Two day National Seminar on Yoga was organized in collaboration with Satyananda Yoga Research Centre, Kozhikode, on 20<sup>th</sup> and 21<sup>st</sup> of April

2019. The Title of the Seminar was "Yoga Darshan 2019" and the theme of the Seminar was "Yoga for world peace, harmony & love".

Celebrated International Yoga Day celebrations on the 21st June 2018

The International Yoga Day 2018 was observed at the Central University of Kerala, Kasaragod under the initiative of the newly started Department of Yoga Studies. It was very well received and appreciated. As part of this programme we have organized regular Yoga classes for the teaching and non-teaching faculty of the University, essay writing competition, walkathon, general awareness programs to spread the benefits of yogic practices in everyday life etc. Also, programs like Quiz on yoga, extemporaneous Speech competition, Yoga pavilion, Yoga poster designing competition, Inter Departmental competition in Central University, Inter school completion, Yoga Wall Painting Competition, Yoga glass painting competition, Yoga awareness Short and Movie Competition etc were held.

#### Programmes Conducted by the Department

Program: Yoga Darshan 2019, National Seminar on Yoga for World Peace Harmony and Love, Cordinated by Dr . Subramanya Pailoor, on the date of 20-21, April,2019, associated with Sathyananda Yoga Research Center at Malabar Palace ,Kozhikode.

#### Other Achievement by the Faculty

Delivered the invited talks

Participated as an external examiner in the other university examinations.

#### Achievements

The Students from the Department of Yoga Studies

Were "Runners Up" in the inter-departmental cricket match in 2018.

were Part of the team that won the Championship in the inter-school volleyball match held at CUK. Students

were part of the winning Kabbadi team

were in the team that reached the semifinal in the football match conducted at CUK.

The girl students from the Department of Yoga Studies won the football match for women, played between the school of MPH and School of Social Sciences

Our Team alongwith the Department of IR won the first prize in the Quiz competition held on 17/1/19 in connection with "Youth Day" celebration by Education department.

Students from the Department of Yoga Studies won 1<sup>st</sup> prize in mono act, 3<sup>rd</sup> prize in mimicry, 1<sup>st</sup> prize in Rangoli 3<sup>rd</sup> prize in installation in the competition held at CUK as part of the CANKAMA.

#### Any other Relevant Information

Submitted two research proposals for funding

# Physical Education

C U Kerala Annual Sports report 2018-2019

Central University of Kerala conducted various inter-school games tournaments and athletic meet in 2018-2019 in the University and the University champions participated in south zone and national events in different category. Dr E Prasad, Assistant professor, Physics assumed the charge of Sports Coordinator in this academic year to coordinate the sports activities in the University. Major sports activities conducted in 2018-19 are briefly discussed in the following.

Inter University Badminton Tournament 2018

The Inter School Tournament was conducted on 2<sup>nd</sup> and 3<sup>rd</sup> of October 2018 at University Multipurpose hall. Participants from 8 different schools from CUK participated for the tournament. The tournament was inaugurated by Hon. Vice chancellor Dr. G Gopakumar at 6pm. Mr. Ranjith (former university player, CUK) and Mr. Aswin (former university player, mangalore) and Dr T J Joseph (Faculty member, CU Kerala) officiated the tournament. There were 58 participants and nearly 150 students were present during the tournament as participants and supporters.

Winners: Ms. Anju, School of Languages, (Singles Women), Ms Anju and Ms Dhanya, School of languages (Womens doubles), Mr. Sreehari, School of Social Sciences (Men's Singles), and Mr. Sreehari and Mr Sreejith, School of Social Sciences, (Men's doubles).

Southzone participation, Badminton:

The selected players from the interschool tournaments were provided 2-3 weeks of training inside the campus and were recommended for the south zone participation. Dr. Sijin Kumar, Assistant Professor from Geology assisted the CUK team as team manager in the south zone Men's badminton tournaments held at SRM University, Chennai.

Dr. Bhagialekhmi, Assistant Professor, assisted the Women team as team manager in the south zone inter university tournaments held at VIT, Vellur, Tamil Nadu.

Both Men and women teams performed well in the south zone events.

CUK staff Badminton tournament:

Badminton tournament is conducted for the for the CUK staff as well in 2018-19 academic year. More than 40 staff took part in the tournament with a huge support from the students. The student champions who represented the University for the south zone events officiated the matches. The winners are:

Dr. Anvar Sadath, Dept of Economics (Singles champion), Dr Ali Akbar, Department of Mathematics (Runner up, singles).

Dr. Shayni, Department of mathematics (Champion, singles), Dr. Elizabeth Mathews, Public Health department (runner up).

CUK Football tournaments:

The Inter School Football Tournament was conducted on 22<sup>nd</sup> and 23<sup>rd</sup> of October 2018 at Jawahar Navodaya Vidyalaya ground. 7 schools participated for the tournament. The tournament was inaugurated by Dean of Students Welfare, Dr. A. Manickavelu. The match officials were from the DFRE Referee's including Mr. Rajesh, Mr. Mani and Mr. Rajeeva. Nearly 100 students were present including the participants and the supporters. School of Earth Sciences won the champion title in this tournament defeating school of Social sciences in the finals.

South zone participation of CUK football team:

CUK team members for the south zone inter university matches were selected from inter school tournament, following the AIU guidelines. The team got a rigorous training of a month under the coach Mr Rajesh, who is also one of the DFRE referees in Kasaragod District.

The team participated in the south zone inter university Football tournament held at Pondicherry university in November 2018. Dr. Pratheesh P, Assistant Professor, Department of Geology assisted the CUK team as team manager in this event.

CUK Kabaddi Tournament

CUK inter school Kabaddi tournament was conducted on 7<sup>th</sup> November 2018 at

Multipurpose Hall. Dr. A. Manickavelu, Dean, Student's Welfare and Dr. E. Prasad, sports coordinator inaugurated the tournament. The tournament attracted a wide audience and ground support from students throughout the match. The matches were officiated by Suresh Kumar (former National and interuniversity player and state junior kabaddi team coach) with the assistance of Vinod K. and Sujith Chandran. School of Medicine won the title in Men's category and School of Biological Sciences in women category. School of Physical Sciences and School of Global Studies were the runners up in men and women category, respectively.

CUK team for the south zone participation was selected for men based on the performances in the above tournament. The players were trained under Mr Suresh Kumar, former national player, in CUK. The team participated in the inter school tournament held at SRM University, Chennai and exhibited a very good performance. Dr Ajay Kumar, Assistant Professor, Department of Plant Science accompanied the team as team manager.

#### CUK Cricket tournaments:

The Inter School cricket Tournament was conducted on 24<sup>th</sup>, 25<sup>th</sup> and 26<sup>th</sup> of October 2018 at Jawahar Navodaya Vidyalaya ground. 7 schools participated for the tournament. The tournament was inaugurated by Dean of Students Welfare, Dr. A. Manickavelu at 10am. The match officials were from the KDCA Mr ASKAR ALI and Mr Swaraj Kuar (both in District Umpiring Panel). Nearly 100 students were present including the participants and the supporters.

School of Earth Sciences won the champion title defeating School of Medicines in the final match.

The best players from different schools were selected for the CUK team for the south zone participation. The team was practiced under the coaching of Dr Rishiram Ramanan, Assistant Professor, Department of Earth Sciences, for more than a month. Dr Rishiram also assisted the team as team manager in the south zone tournaments, held at VTU University, Belgaum, Karnataka. The team exhibited a good performance in the south zone tournaments.

#### All India athletic Championship participation:

CUK athletes participated in the All India Athletic meet held at Mangalore University and Alwas college, Moodabidri. Dr Sree Hari Sukesh from the Yoga Department served the team as team manager for these events. The students participated in sprint items, throw items and relay events.

#### All India Boxing:

CU Kerala sent our team for the all India boxing championship held at J R N vidyapeet University, Udaipur, Rajasthan. Mr. Bilal (Geology) and Mr. Jishnu (Yoga) represented the University in the boxing tournament. Dr. Ram Binod Rai, Assistant Professor, Department of Hindi accompanied the team as team manager.

#### CUK athletic meet:

CUK athletic meet was held in our newly constructed facility inside the campus for the first time, in March 2019. CUK was utilizing the sports facility of JNV, Periyar for the athletic meet in the previous years. The athletic meet featured various athletic events for the students, teaching community and non-teaching staff. More than 400 participants took part in various events.

Sports coordinator Dr. E. Prasad welcomed the gathering. Hon'ble vice chancellor Prof Gopakuamr inaugurated the athletic meet. Mr. VijayaKrishnan, Principal, Navodaya Vidyalaya was the chief guest of the event. University Pro VC Prof Jaya Prasad, Registrar Radhakrishnan Nair, Controller of Examination Dr. Muraleedharan Nambiar, DSW Dr Manickavelu and Student sports secretary Ronald Scaria were present during the program. Sports officials from the sports division of Kannur University officiated the events.

Indian Kabaddi coach Mr. E. Bhaskaran was the guest of honor in the valedictory session. School of Social sciences won the overall champion trophy and school of Physical Sciences won the runners up trophy. The individual champions are: Student men: Aravind, School of Earth Sciences

Student women: Athira, Physical Sciences Faculty men: Dr. E. Prasad, Dept of Physics

Faculty women: Dr. Thasleema, Dept of Computer Science Nonteaching staff: Mr. Rathin Kumar

# Administrative & Support Services

Vice-Chancellor's Office

Registrar's Office

Administration

Academic Branch

Examination

Purchase

Finance

University Library

Hindi Cell

IT Wing

Engineering

Estates

## Vice-Chancellor's Office

### Staff Details:

Shri Venkitaraman A. R., Private Secretary

Shri Akhilesh M.K., Driver

Shri Ravish G.S., Office Attendant

Shri Priyesh B.K., Office Assistant (Outsource)

Shri Renjith Krishanan M, Office Assistant (Outsource)

## Registrar's Office

### Staff Details

Dr. A. Radhakrishnan Nair, Registrar

Mr. Jayakrishnan K., Asst. Registrar

Mr. Rathish Babu M M, Private Secretary

Mr. Vipin Kumar C. M., Office Attendant

Mr. Sureshkumar V., Driver



# Administration

Details of ADMINISTRATION/ESTABLISHMENT BRANCH for inclusion in the Annual Report for the period from 01.04.18 to 31.03.19 (2018-19)

Name of officers in charge of the office during 01.04.2018 to 31.03.2019

Name	Designation
Dr. G. Gopa Kumar	Vice Chancellor
Dr. A. Radhakrishnan Nair	Registrar
Dr. B.R. Prasannakumar	Finance Officer
Dr. Muraleedharan Nambiar M	Controller of Examinations

Staff strength-sanctioned and staff in Position

Name of Post (Teaching)	Total Sanctioned strength		Strength as on 31.03.19				
	UR	OBC	SC	ST	PwD	Total	
Professor	26	11	0	0	0	0	11
Associate Professor	53	22	0	2	0	0	24
Assistant Professor	106	40	23	12	6	2	81
Total	185	73	23	14	6	2	116

\* 3 Associate Professors promoted to Professor under CAS

Name of Post (Non-Teaching)	Total Sanctioned strength	Strength as on 31.03.19					
		UR	OBC	SC	ST	PwD	Total
Group A	23*	15	0	0	0	0	15
Group B	31	15	2	1	0	0	18
Group C	84	23	4	1	0	0	28
Total	138	53	6	2	0	0	61

\*including Vice Chancellor and Statutory Officers

Staff worked at Administration/Establishment during 01.04.2018 to 31.03.2019

Shri. Jayakrishnan. K, Assistant Registrar  
 Shri. Predeep P. T., Section Officer  
 Shri. Prasanth. K, Assistant  
 Shri. Ajithkumar N, UD CLERK  
 Shri. Sanush Kumar Maniyeri, UD CLERK  
 Shri. Bijoy. C, UD CLERK  
 Smt. Pooja M (outsource staff)  
 Smt. Shilpa M P (outsource staff)  
 Shri. Hariprasad C (outsource staff)  
 Shri. Suni K (Despatch outsource staff)  
 Shri. Narayana C H (Despatch outsource staff)

# Academic Branch

Shri. Sureshan Kandathil, Assistant Registrar, Academics & RP Cell

## Academic Branch

Sri Ravi K Section Officer (wef (13/02/2019)

Shri. Mohammed Ashraf J.P, Assistant

Shri. Rineevan V.V, UDC(upto 12/02/2019)

Smt. Sujitha Jinan, Office Assistant (outsourced)

Shri. Sreekumar .P, Office Assistant (outsourced)

Smt. Hemamalini .N, Office Attendant (outsourced)

## Research & Project Cell

(upto September 30<sup>th</sup> 2018)

John Mathew (upto 5<sup>th</sup> October 2018)

Remya (Outsourced) (upto 5<sup>th</sup> October 2018)

## Academic Branch

The Academic Branch manages and coordinates the various academic activities of the 23 Departments under Nine Schools under Nine Schools of the University. The various academic duties managed by the Academic Branch are;

1. Setting up of new Departments/Centres/ Chairs in accordance with Acts and Statutes of the University.
2. Appointment of Deans', Heads and In charges .etc
3. Placing of various academic agenda from the Departments and Sections to "the Academic Council" and its follow up.
4. Constitution of School of Boards and Boards of Studies to frame and design curriculum and other related activities.
5. Monitoring /Settlement of projects of teachers and students funded by various agencies, University etc.
6. Notification of Ph.D. and Admission
7. To accord administrative and financial sanction for faculties to the Seminars,

Symposia, Workshops, Orientation/ Refresher Courses and Invited Lectures etc. and their settlement.

8. Maintenance of Duty Leave, Special Casual Leave accounts of Deans, Heads and other Faculty.
9. General correspondence and preparation of various data to the UGC, NAAC, AIU and similar bodies.
10. Financial assistance to the teachers and students to participate in the academic Seminars, Workshops, Symposia etc.
11. Financial assistance to the students tours , field works
12. Various correspondences of International & National Collaborations , Industry Academic Linkage, GIAN
13. Parliament Office correspondences
14. IQAC, NAAC, Placement Cell, Students Counseling Centre, Anti-Discrimination Officer, Equal Opportunity Cell, Grievances Cells, Internal Complaints Committee, SC/ST Cell, Students Discipline Committee and Anti-Ragging Committee etc.

# Research Project Cell

Following staffs are currently working in the RP Cell

Dr. Padmesh P Pillai, Deputy Registrar i/c  
Mr. Biju P, Section Officer  
Ms. Kavitha P. N, UDC  
Mr. John Mathew, UDC  
Supriya H, Office Assistant  
Ramya K, Office Assistant

## Research & Project Cell

### Vision & Objectives

- " Advance the university's mission, vision, and values by providing excellent, timely, and cost-effective service
- " Manage, examine and facilitate all externally funded projects as an entry-exit gate .
- " Use team-based approach with other stakeholders to maximize communication and efficiency in the implementation of research projects
- " Manage, examine and facilitate disbursement of Fellowships and Scholarships.
- " Use the ICTs to improve the distribution of information and services

### Activity Summary

- ◆ Facilitating faculties for timely submission of Research Proposals to various funding agencies after getting necessary administrative approvals
- ◆ Facilitating fund release and settlement under various budget provisions
- ◆ Facilitating the submission of Statement of Expenditure, Utilization Certificate and other compliance requirements
- ◆ Facilitating appointments of project personnel and release of emoluments
- ◆ Facilitating scholars to availing fellowship from funding agencies like (UGC, INSPIRE, ICSSR, KSCSTE, CSIR, SERB etc)
- ◆ Facilitating scholars for preparing and submitting Statement of Expenditure, Utilization Certificate and other mandatory

documents.

- ◆ Facilitating Faculties and scholars for availing Post-Doctoral Fellowship
  - ◆ Facilitating students for applying and availing scholarship which do not come under Direct Benefit Transfer Scheme
  - ◆ Operating and managing national scholarship portal
  - ◆ Providing necessary training to departmental staff for the operation of E-grants
- The Research and Project Cell (RPC) was established in 2015 with a view to facilitate speedy disposal of files related to project. The cell is reconstituted in 2018 to deliver all administrative and financial service at one place. It is headed by Deputy Registrar (i/c) and currently handling 5 development projects, 91 research projects and 5 Post-Doctoral Fellowship.

The functions of the RP Cell includes forwarding of project proposal, opening separate bank accounts for the project, overall administrative and financial supervision, verification of statement of expenditure and preparation of utilisation certificate.

Central University of Kerala has received an amount Rs.5,10,72,793/- (Rupees Five Crore Ten Lakh Seventy Two Thousand Seven Hundred and Ninety Three only) under various research and Development projects from funding agencies like Department of Biotechnology, Department of Science and Technology, UGC, MHRD etc., during the year 2018-19.

# Engineering

The main focus of the Engineering Department is the infrastructural development of Central University of Kerala. The Engineering Department is looking after both new constructions as well as maintenance of various own buildings including civil and electrical. The ultimate aim of this department is the optimum

utilization of resources at a shorter time period. In addition to the funds received from the Ministry of Human Resources Development, Engineering Department has submitted various building construction proposals to Ministry of Social Justice and Empowerment.

## Staff Details:

Rajagopal K. G	: B Tech (Civil), M.B.A, Executive Engineer
Shanil P	: B Tech (Civil), Junior Engineer (Civil)
Prameesh Prasad	: B Tech (Electrical), Junior Engineer (Electrical)
Shigeesh. K. P	: Office Assistant
Hareesh Kumar .P	: Office Attendant

University had constructed the 8 academic building consists of four non science buildings and 4 science buildings through the Project Management Consultant M/s. RITES Ltd at a completion cost of Rs. 139,94,89,045/-. The total plinth area of the above 8 Academic building altogether was 3,16,817 S Ft. The above building construction was virtually completed on April 2018. The dedication of the 8 academic Buildings to the nation was done by our Honourable Vice-President of India on 29<sup>th</sup> April 2018. The above colourful event was conducted very nicely in an air conditioned temporary stage constructed on hiring basis with a seating capacity of about 2200 Nos.

University was completed the construction of Phase I development work consists of construction of roads with interlocking pavements and bitumen top all-round the 8 academic buildings, road between hostels and academic buildings, construction of 200 KLD sewage treatment plant, construction of Electrical substation for academic campus providing H.T cable work including cable duct from 11 KV feeder near old substation to new substation and construction of culvert etc.

As per the request of University Ministry of Social Justice and empowerment has given sanction for the construction 100 seater OBC hostel for both boys and girls. Accordingly University was issued necessary work order to the

PMC holder Central Public Works Department (CPWD) for the construction of above hostels. The foundation stone for these hostel buildings was laid by Hon'ble Union Minister of State for Electronics, IT & Tourism, Shri. K.J. Alphons Kannanthanam on 8<sup>th</sup> April 2018. The construction of these hostel buildings are in progress by our PMC holder CPWD.

As per the request of University Ministry of Social Justice and empowerment has given sanction for the construction 100 seater SC hostel for girls under Babu Jagjivan Ram Chhatrawas Yojana (BJRCY). Accordingly University was issued necessary work order to the PMC holder Central Public Works Department (CPWD) for the construction of above hostel. The foundation stone for this hostel building was laid by Hon. Governor of Mizoram, Shri. Kummanam Rajasekharan on 24<sup>th</sup> July, 2018. The construction of this hostel building is in progress by our PMC holder CPWD.

University has received the sanction for the construction of Academic Building for School of Education under Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMNMTT). At the same time University has received the sanction for the construction of academic building for Department of Yoga Studies from Ministry of Human Recourse Development. The foundation stone for these two academic buildings for School of Education

and Department of Yoga Studies was laid by Hon'ble Minister of State, Ministry of Human Resource Development and Ministry of Water Resources, River Development and Ganga Rejuvenation, Dr. Sathiyapal Singh on 5<sup>th</sup> August 2019. The constructions of the above buildings are in progress by our PMC holder CPWD.

University was awarded the Phase II Development work to the PMC holder M/s. RITES Ltd., New Delhi. The Phase II Development work consists of Construction of roads to proposed Administration building, Main entrance gate structure of the University with security room, visitors lounge, parking yard etc along with steps to the main circle in front of the proposed Administration building and down steps to the 8 Academic buildings, construction of gate at southern entrance at national Highway, construction of gate at boys hostel side compound wall, construction of compound wall along the slip road with Chain link fencing. The above construction works are in progressing stage.

As per the approval and the necessary fund Allocation University was issued work order for the construction of exclusive water supply scheme to University from Karicheri River at Moonam Kadavu about 7 K.M from University Campus. The above work was entrusted to Kerala Water Authority (KWA). The work consists of construction of intake well at Moonam kadavu, installation of transformer and fixing of suitable pumps at pump house above the intake well, construction of 20 MLD water treatment plant at University campus, laying of 250 MM pipe from Moonam Kadavu to the treatment plant at University campus etc. The above work is in progress through KWA.

The proposal for the construction of 10 lakhs litre capacity overhead water tank and 1 lakh litre water tank was approved and necessary work order issued to the PMC holder M/s. RITES Ltd. which is in the planning stage.

University has submitted a new proposal for the construction of another 100 bedded OBC hostel for Boys and Girls to Ministry of Social Justice and Empowerment for approval.

According to vide letter No. 11015/16/2018-BC-I dated 8<sup>th</sup> March 2019 and letter No. 11015/16/2018-BC-I dated 15<sup>th</sup> March 2019 Ministry of Social Justice and Empowerment has issued approval for the above two hostels and issued necessary funds allocation of Rs. 2.70 cores each for these two hostels.

University has submitted a new proposal for the construction of another 100 bedded SC hostel for boys and girls to Ministry of Social Justice and Empowerment for approval. The above proposal is under processing at Ministry of Social Justice and Empowerment.

University has submitted the proposal for construction of Administrative Building Phase I, Library, 200 bedded P.G hostel for gents and ladies, 20 Nos. of staff quarters each for Associate Professors and Assistant Professors and University health centre building.

Govt. of Kerala has allotted 10 acres of land at Thiruvalla and necessary approvals for the construction of compound wall around these Law campus at Thiruvalla was issued to the PMC holder CPWD. In order to shift the campus from the rented premises to these campus University has issued necessary approvals to CPWD for the construction of a semi permanent buildings and also for the renovation of the existing buildings.

Construction of two Kiosk buildings at University Campus, Periya was issued to the Contractor.

Construction of a Kerala architectural style gate in front of the main entrance at National Highway-66 was issued to the PMC holder M/s. RITES Ltd.

The proposal for a separate Electrical substation with necessary transformers at southern campus of the University was approved and necessary work order issued to CPWD.

The construction of a guest house consists of 4 VIP Suit rooms, 21 A/c rooms and two A/c dormitories with a meeting hall and dining hall facility. The work order for the same was issued to CPWD for execution.

The proposal for the construction of a separate high tension connection to girl's hostel complex was issued to CPWD for execution.

# Purchase and Store

## Staff Details

Dr. Padmesh P Pillai	:	Deputy Registrar (P) I/c
Mr. Biju P	:	Section Officer (P)
Mr. Nivin Sebastian	:	U.D.C.
Mrs. Supriya. H.	:	Office Asst. (Out Sourced)
Mr. Sivaprasad T	:	Office Asst. (Out Sourced)
Ms. Neethu. K	:	Office Asst. (Out Sourced)
Mrs. Kamala. K	:	Office Attendant (Outsourced)

The Purchase section is doing a vital role in procurement, storing and issuing of goods for the University. The purchases are made for all the Departments, Campuses and Centers of the University by the Purchase section following GFR 2017 and other Govt. of India Orders issued from time to time. A centralized store for stationary and other consumables item are maintained in the main Campus. The new public procurement policy of Govt. of India, through Government e Market Place (GeM) has been successfully implemented in the University procurement.

Standing Purchase Committees have been formed to examine and recommend the Indents of various equipment and furniture. Stationary and other routine consumables are

centrally purchased and distributed under proper accounting and indent. The Details of procurement on Capital Expenditure viz. Furniture, Office Equipment and Scientific equipments during the financial year 2018-19 is as follows.

Item	Amount
Office Furniture	1,00,563,58
Office Equipments	8,22,630
Computer Peripherals	42,33,460
Major Scientific Equipments	63,84,122
Minor Scientific Equipments	57,04,173
Electrical and Electronic Appliances	2,35,400
Total	2,74,36,143

# Estate Department

The Estate Section deals with activities involved in providing different facilities including allotment of residential quarters, allocation commercial space including canteen, bank, etc., extending transportation facilities, preparation of lease agreements, handing/taking over of the

premises, etc. allotment of seminar/conference halls, class rooms. Looking to the hygienic point of view in the campus, the Estate Office have been operating cleaning, sweeping & up-keeping work in the campus.

## Staff details:

Dr. K. Rajeevan, Assistant Registrar	(from 01.04.2018 to 11.02.2019)
Shri P. Gopalakrishnan, Assistant Registrar	(from 12.02.2019 to 31.03.2019)
Shri Subash K.B., Section Officer	
Shri P. Gopalakrishnan, Section Officer	
Shri Reneevan V.V., UDC	
Shri Hariprasad, Office Assistant	
Shri Sreeraj, Office Assistant	
Shri Jaith, Office Attendant	
Shri Sharat, Driver	
Shri Sajit, Driver	

In the financial year 2018-19 the Estate Section undertook the herculean task of shifting of different equipment, furniture, etc., from three buildings/transit campus located outside the campus and two blocks of semi-permanent buildings in the campus to the newly constructed eight Academic Blocks in the Tejaswini Hills

campus and allotted rooms and class rooms to all the Departments of the University.

Estates services aim to deliver a consistently high level of service, evolves to meet changing demands and helps others to meet their own departmental responsibilities.



**Staff Details:**

- Mr. Sreelesh V, System Analyst (Permanent)
- Mr. Sreejith V, Technical Assistant (Outsourced)
- Mr. Dhanya Gopi, Office Assistant (Outsourced)
- Mr. Rathin Kumar, Computer AMC Staff
- Mr. Vishal B, Computer AMC Staff
- Mr. Shyju P, Office Attendant (Outsourced)

The IT Wing of the University monitoring maintains and secure the Information Technology infrastructure of the University, besides these the IT Wings maintains and updates the official Website of the University and provides all the IT related data supports to ensure solving problems. Also, it provides complete web service support for the online activities. It makes smooth coordination with different section and departments and giving responsible relation between central authorities as a feed backup and ensures better relationship with general public by way of different notification and news from the University Website. IT Wings provides various services to pertained Faculty members, staffs,

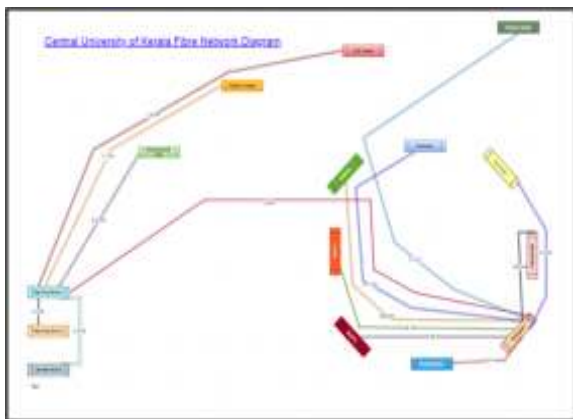
students of the University, moreover it develops configure and implement necessary s/w for different offices, sections and examination activities with a view to improve productivity, reduce expenses with optimum result. To provide support for Open Source technologies and implementations and to encourage their use in the University activities. IT Wings provides the requisite central facility for the growth and development of Teaching, Research and all other section of the University.

**Optical Fibre Network Deployment**

IT Wing of CUK Proposed/procured and deployed the Optical Fiber Network and "Core



Switch" connecting the new eight buildings of CUKerala. Deployment of Optical Fiber Infrastructure of the University of around 9.6 Kilometres and migration to the new eight academic blocks was also completed. The co-ordination with various stake holders like M/s RITES, Departments, Sections, Networking teams, National Informatics Centre team, BSNL, NKN has been done to ensure that the network of the eight buildings become live in time during the shifting done in June 2018. The included procurement of devices, technical configurations and round the clock work was done to ensure the smooth migration. The detailed Fibre diagram is as show below.



Online Admission system for New courses:

IT wing has developed an online admission system for newly started courses in the year 2019. The admission for the following courses were done by the online admission system.

- MBA
- MBA (Tourism & Hospitality Management)
- Master of Commerce
- MA Kannada

The online admission system included the following features

Register

- Filling of Application details
- Uploading of Photo and Signature
- Final Submit
- Editing of Application form
- Printing of Application form
- Auto generate of Roll numbers
- Online issue of Hall Tickets



MATLAB Campus License Software

IT wing and Computer Science Department conducted MAT Lab training session for faculties and students from various department. The training was conducted by experts from MathWorks the parent company of MATLAB. As part of the campus connect initiative the software was shared with all the students in the university.

Websites Designed by IT Wing in 2018

International Interdisciplinary seminar: - Department of Law conducted an International interdisciplinary seminar on Internationalization of Human Rights and Changing Dimensions of Fundamental Rights. The IT wing designed a website for this programme which may helpful for the participants to know all the details about the seminar.

Campus Connect Project of MHRD

The ministry of Human Resource Development (MHRD) planned a programme called "campus connect". Under these programme 21000 colleges and 20 classrooms in each college will be made wi-fi enabled. Totally ,4.2 lakh classrooms will be made wi-fi enabled and this will help around 1.5 crore students. Students will be given access only to those websites which are academically relevant. As a part of campus connect project our campus also made completely under wifi network including the academic blocks, hostels, canteen, library etc.

Under this project Central University of Kerala has provided WiFi coverage for students by installing 56 access points. A total approximately 1.5 crores has been sanctioned by MHRD to Central University of Kerala through this project.

Video Conferencing Facilities

Central University of Kerala has installed a

dedicated video conferencing system for conducting video conference with remote locations. Videoconferencing uses audio and video telecommunications to bring people at different sites together. The existing hardware using is Huawei TE30.

The IT wing successfully conducted the following video Conferences

- Video Conference with Ministry of HRD regarding campus connect project
- PMMMMNMTT Video Conference
- Video conferencing for seminars of Hindi Department/Social work Departments

Facilities obtained from NKN-NMEICT

The following are the facilities obtained under the schemes of National Mission for Education through ICT (NMEICT)/NKN (National Knowledge Network) from National Knowledge Commission, MHRD:

- " 1Gbps high speed internet dedicated line Permanent Campus at Periyar.
- " LAN Connectivity 2000 Nodes (Three locations)

Campus Network Infrastructure

Following is the status of Network in university campus:

- " Presently 2000 Approx. LAN points available in the campus.
- " Wireless Network 100 WiFi Access Points.
- " Major portion of the campus is Wi-Fi connected.
- " Kerala govt Free-Wifi access points deployed at Godavari building.

CUKERALA Website

The website of Central University of Kerala has been upgraded to the latest version of Joomla. The website is being updated on a day to day basis by IT Section. University website has been developed in-house by IT Team. Following jobs are being performed by the Web Administrator.

- ◆ Updation in Website.
- ◆ Website Maintenance
- ◆ Domain renewal
- ◆ Updation of Faculty Profiles/ Syllabus

Uploading of Tender / News / Events / Recruitment Notices etc.

Uploading of EC/FC/Court Minutes

Softwares Developed/Deployed inhouse

Following softwares have been developed in-house and running successfully:

- File Tracking System
- CU Kerala Intranet
- Spiceworks Helpdesk System
- Google Apps Based Mail Service of Employees
- Open Source Office Solution Libre Office

Servers maintained by IT Wing

Following servers are available with supporting items:

- RADIUS Authentication Server
- File Sharing Server
- Antivirus Server
- Email Server
- TALLY Server
- FTS Server

Network Security Devices

- Fortigate Firewall 600C
- Fortigate Analyzer 200D
- Juniper Mi10 Router
- Cyberoam Firewall CR NGFW Solution 50iNG
- Quick heal Seqrite Antivirus server
- E-Scan Antivirus server

Proposed Work in Progress

1. University E-Governance System
2. Website revamping
3. Data Centre/Server Room
4. EPABX System proposal

Other Services

Maintenance of Computer Hardware and Peripherals

Maintenance of Computer Networking

RADIUS Authentication Username Password for Students and Faculty

Central Procurement Portal Updation

Central University Portal Updation

Video Conferencing Room

Govt E-Market Place Administration

Shram Suvidha Portal Administration

# Examination

Controller of Examinations : Dr. M. Muralidharan Nambiar

## Staff Details

Shri. Mohanakrishnan C	Section Officer
Shri. Ravi K	Assistant (Transferred out to Academic Section 12.02.2019)
Smt. Aswathi P S	Assistant
Smt. Deepa V K	LDC
Shri. Rajeev S	Driver (CoE)
Outsource Staff	
Smt. Ashitha K V	Office Assistant
Smt. Sharanya M K	Technical Assistant ( w.e.f. 20.4.2018)
Smt. Dhanya.T	Office Assistant (04.01.2018 to 30.8.2018)
Shri. Nidheesh M	Office Assistant
Shri. Sumithran P R	Office Attendant
Sreenath K	Office Attendant( up to 20.12.2018)

## SEMESTER EXAMINATIONS

The University follows Choice Based Credit and Semester (CBCS) system. The evaluations involve both Continuous assessment and End Semester Assessment. End semester examination for each course in each programme is conducted by the University in all the Departments. Other than the specialized courses, the system of double evaluation is followed. The Programme Committee awards grades for each candidate for each course. The external

examiners are appointed from the panel approved by the Vice Chancellor.

Under the overall supervision of the examination branch the odd and even semester examinations in 23 programmes were conducted and results announced. Despite the man power constraints, the branch was able to publish the results and issue various certificates such as Semester Grade Cards, Provisional Certificates, Transcripts, Top scorer/Rank Certificates etc. without much glitch.

Details of students passed out during 2018 Programme	Students
B. A. International Relations	28
M.A. Economics	24
M.A. English & Comparative Literature	26
M.A. Linguistics & Language Technology	17
M.A. Hindi & Comparative Literature	18
M.A. International Relations & Political Science	22
M.A. Malayalam	22
M S W (Master of Social Work)	25
M.Ed. (Master of Education)	21
M.Sc. Animal Science	19
M.Sc. Biochemistry & Molecular Biology	16
M.Sc. Chemistry	15
M.Sc. Computer Science	18
M.Sc. Environmental Science	18
M.Sc. Genomic Science	15
M.Sc. Mathematics	20
M.Sc. Plant Science	21
M.Sc. Physics	19
L L M (Master of Law)	11
MSc Geology	16
M A Public Administration and Policy Studies	17
Master of Public Health	18

#### CUCET-2018

During the reporting year 2018-19, Examination Branch under the guidance of Controller of Examinations conducted CUCET-2018, an all India common Entrance test conducted by a consortium of 10 Central Universities and BASE Bangalore in various centres across the country. Our University conducted the test at Kasaragod, Kannur (Thalassery), Kalpetta, Calicut-I, Calicut-II, Trissur, Palakkad, Kochi, Kottayam, Trivandrum & Mangalore centres. The examination was held on 28<sup>th</sup> & 29<sup>th</sup> April 2018 and the OMR sheets were sent for evaluation to the nodal agency- Central University of Rajasthan with the Deputy Nodal Officer Dr. Dr Ramachandran Kotharambath, Assistant Professor, Dept. of Animal Science.

Based on the performance of the students in CUCET, course wise rank lists were published for 22 PG & 1 UG programmes for 850 seats in this University. The Controller of Examinations, who is also the coordinator of the admission committee, supervised the admission

strictly following the reservation rules of Govt. of India. In addition to the above, one supernumerary seat each was also earmarked for wards of Defence/Ex-service men and Kashmiri Migrants in all Departments. PWD candidates are given 5 year age relaxation for admission as per rules.

#### THIRD CONVOCATION

The University conducted the Third Convocation on 02<sup>nd</sup> March 2019, wherein 354 graduates of 2017 batch, 420 graduates of 2018 batch and 16 PhD scholars were awarded Degrees in a grand function. The Honorable Governor of Kerala Justice.P.Sathasivam; conferred the Degrees.

#### NATIONAL ACADEMIC DEPOSITORY (NAD)

National Academic Depository (NAD) is an initiative of MHRD and is managed by NSDL (National Securities Depository Limited).

NAD is the store house of certificates in digital form wherein its issuance, verification by employers etc. can be done in online. It eliminates the necessity of issuing hard copies of Degree Certificates. Central University of Kerala has signed an agreement with NSDL wherein image upload model is adopted by us. Degree certificates up to third convocation have been uploaded successfully.

# Finance

Finance Officer : Dr. B.R. Prasannakumar

## Staff Details

Dr.Rajeevan K., Assistant Registrar  
Shri. Jayan.K.V, Section Officer  
Smt.Divya.K.Sathyan, Assistant  
Smt.Bindu Predeep, Upper Division Clerk  
Smt.Aiswarya Nair O., Upper Division Clerk  
Shri.Abhilash.K.K, Driver  
Shri.Manikandan.P, Office Assistant (Outsource)  
Smt.Sruthi.K.V, Office Assistant (Outsource)  
Smt.Nijila.V.V, Office Assistant (Outsource)  
Ms. Priyanka.M, Office Assistant (Outsource)  
Smt.Sunitha B, Office Assistant (Outsource)  
Smt. Mallika C., Office Assistant (Outsource)  
Shri. Abdul Salam.M, Driver cum Office Attendant (Outsource)  
Shri. Navas.K, Office Attendant (Outsource)

## Internal Audit Wing

Shri.Sureshan Kandathil,  
Assistant Registrar is holding the Charge of Internal Audit Officer

Finance wing is dealing with the University receipts and expenditure based on the rules and regulations issued from time to time by Department of Expenditure, DoPT, MHRD, UGC and the Ordinances of the University with the Objective of overall financial discipline in transaction.

The Budget Estimate of the University for the Year 2018-19 for Recurring & Non-Recurring Expenditure is Rs.143.26 Cr. and the Revised

Estimate is Rs.157.79 Cr. The allocation received from UGC and expenditure for 2018-19 is as follows:-

Period	Opening	Receipts	Expenditure
2018-19	54.99 Cr	43.42 Cr.	41.02 Cr.

The C&AG have prepared the Separate Audit Report for 2018-19 on the Annual Accounts of the University and the same is placed before the Parliament after approval of the Finance Committee/Executive Council and Court.

# Hindi Cell

Hindi Officer: Dr. T. K. Anish Kumar

The Hindi Cell stands for guidance and monitoring of the implementation of Official Language Policy of the Union Government in Central University of Kerala. The Cell started functioning in the month of September 2012 and it provides assistance to the University to implement the OL Act, 1963, OL Rules, 1976 and all other regulations and instructions issued by the Union Government time to time in connection with the Official Language Policy.

## Staff Position

Designation	Sanctioned	Filled up	Vacant
Hindi Officer	01	01	Nil
Hindi Translator	01	Nil	01
Hindi Typist	01	Nil	01

## Cells & Forums

Academic-Industry Collaboration  
Internal Complaints Committee  
GIAN  
NIRF  
IQAC  
Student Counselling Centre  
SC/ST Ccell  
Innovation Club and Institutions Innovation Council  
Institutional Human Ethics Committee  
Hindi Cell  
Report of the Activities of the Placement Cell  
Grievance Form  
Swachh Bharat Abhiyan  
Swayam Cell  
Centre for Gerontology  
National Science Day  
Health Centre  
Anti-discrimination cell  
Curriculum Research Policy and Educational Development  
Faculty Induction and Development Cell  
Grievance Redressal Cell  
Health Center

### Academic-Industry Collaboration

Universities/academic institutions mainly focus on educating people, creating new knowledge and excelling in existing know-how. While industries/companies concentrate on mastering the challenges of a competitive environment and striving for market success. It is quite obvious that the core interests of both parties are different. However, when they collaborate, innovations come out and both partners get maximum benefits. CUK has young and vibrant science faculty representing various disciplines of science who are working hard to transform the University into a real centre of excellence through innovations and technology development and thereby leave an imprint in the 'Make in India' programme of the Government of India.

CUK has formulated a centre for 'Academia-Industry collaboration'. Some CUK faculty have already collaborated with various public and private industries. Dr. Aswati Nair from Department of Bio-chemistry having joint project with Milkens Bio Pvt. Ltd, Bangalore which is funded by Biotechnology Ignition Grant (BIG)-Bio technology industry research council, India. Faculty from Department of Biochemistry and Department of Physics is working on development of Bio-sensor-nano-materials to detect ammonia with the possible collaboration with ORIGIN-Kochi. One of our faculty from the Department of Plant Science, is in the process of establishing a robust partnership with A2 Advance Automation Private Limited through UK-Indian business and academic teams to support the removal of toxic pollutants, such as pesticides, metals (arsenic/ lead), and polyhydroxyaromatics from water, as well as to reduce contamination of surface and groundwater resulting from excessive use of pesticides. Similarly, Department of Animal Science faculties have collaboration with PCI-Bangalore. A faculty member from Department of Chemistry has collaboration with IOCL R&D. Department of Chemistry and Department of Environmental Science arranging Industrial visit for M.Sc. students regularly.

Internal Complaints Committee (ICC) at Central University of Kerala (CUK)

### Brief Report for period: 2018-2019

The Internal Complaints Committee (ICC) at CUK has been constituted as per provisions of the Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Act 2013. Functioning of ICC is as per UGC Regulations, 2015 (Prevention, Prohibition and Redressal of sexual harassment of women employees and students in Higher Educational Institutes). The composition of present ICC is as follows:

Dr. R. Aswati Nair, Associate Professor (Presiding Officer)

Dr. Shaini P, Assistant Professor (Member)

Dr. Joshith, Assistant Professor (Member)

Mr. Biju P, Section Officer (Member)

Smt. Bindu Pradeep, UDC (Member)

Mr. Abhijith, UG Representative (Member)

Ms. Anjana PM, PG Representative (Member)

Ms. Akhila KP, Ph.D Representative (Member)

Mrs Sharanya Rai, NGO (Member)

Dr. Thasleema TM, Assistant Professor (Member Secretary)

ICC at CUK believes in human dignity and inclusiveness at workplace. Towards sensitizing the staff and students of CUK on the key elements of workplace sexual harassment and norms to address such issues, the UGC Regulations (2015) have been uploaded on the University website. ICC meetings with student representatives were held and instructions were given to disseminate information on the provisions of the Act. To ease the procedure of complaint submission, a complaint form has been drafted out and the same has been made available at CUK website. ICC offers confidential counseling to complainants and has expeditiously provided redressal measures to three out of the six complaints received during the reporting period. Complete confidentiality is ensured during the entire proceedings of ICC at CUK.

### GIAN

Two GIAN proposals got accepted during 2018-2019.

The proposal submitted by Course Coordinator, Dr. Palatty Allesh Sinu on "Life at tree tops: canopy ecology studies from space using drones and GIS techniques" got accepted by GIAN. Prof .Margaret Lowman, California



Academy of Sciences United States of America, will visit CUK tentatively during Dec 2019 for conducting the course.

Similarly, The proposal submitted by Course Coordinator, Dr. Smita Sudheer on "Transcriptomics in health and diseases" got accepted by GIAN. Dr. Aditi Kanhere, University of Birmingham United Kingdom, will visit CUK tentatively during Nov 2019 for conducting the course.

#### NIRF -2019 ranking of CUK

CUK got entry into NIRF Rank Band between 101 to 150 in the overall category for the first time by competing with the 3127 institutions which includes premier institutes/universities of our country such as IITs, IISc, HCU, BHU , JNU, IISER etc., as per the NIRF result published on 8th Apr 2019. CUK was in the rank band 151 to 200 during 2017-2018 in the overall category.

Among Universities category, CUK retained the previous year status of Rank band between 101 to 150.

Following are the summary of NIRF performance of CUK during the last four year  
Following are the summary of NIRF performance of CUK during the last four year

Year	Rank
2016	Not appeared in the rank list
2017	Rank band 101 to 150 (University Category) Not listed in the overall category
2018	Rank band 101 to 150 (University Category) Rank band 151 to 200 (Overall Category)
2019	Rank band 101 to 150 (University Category) Rank band 101 to 150 (Overall Category)

#### IQAC

IQAC has been concentrating on the processing of CAS applications of faculty members during this period. Total 21 CAS applications were processed and remaining applications are under processing. IQAC Developed Performance Based Appraisal System (PBAS) format for faculty members. Data were

collected regarding the academic achievement of various departments and consolidated for submitting to MHRD. Facilitated the functioning of NRC, CU Kerala and successfully completed the first ARPIT course. During the convocation ceremony 2019 also IQAC played an active role. Also rendered support for CUCET examination 2018. Actively involved for the effective conduct of Foundation day celebration.

#### STUDENT COUNSELLING CENTRE

Organized three day Capacity Building Programme on Drug abuse prevention for school counsellors from 17<sup>th</sup> to 19<sup>th</sup> September 2018 funded by National Institute of Social Defence, New Delhi.

Organized three day Capacity Building Programme on Drug abuse prevention for MSW students from 24<sup>th</sup> to 26<sup>th</sup> September 2018 funded by National Institute of Social Defence, New Delhi.

#### SC/ST CELL

Dr. Anish Kumar T.K, Assistant Director (Official Language), Co-ordinator  
Dr. Thennarasu. S, Assistant Professor, Linguistics, Member  
Dr.Jeyabalan Sangeetha, Assistant Professor, EVS Member  
Dr.Chitra Manisseri, Assistant Professor, Plant Science, Member  
Shri. Prasanth. K, Assistant, Member  
Shri. Sunil.S, UDC, Member

As per direction of Govt of India, the UGC at its 535<sup>th</sup> meeting held on 27<sup>th</sup> September,2018 resolved to establish a SC/ST Cell in Central University of Kerala to comply the instructions of DoPT for setting up of Special Reservation Cell. The existing staff in the SC/ST Cell as given below:  
Shri. P. Gopalakrishnan, Assistant Registrar  
Shri. K. Ravi, Section Officer  
Shri. Sunil.S, UDC

Students and Employees belonging to SC/ST can approach the Cell for redressal of any of their grievances pertaining to academic, administrative or social problems.

Innovation Club and Institutions Innovation Council, Central University of Kerala

The Innovation club of the central

university of kerala and the institution's innovation council organized two major events this academic year.

1. A two day innovation fest titled 'AVISHKAR-2019' on 22<sup>nd</sup> and 23<sup>rd</sup> January 2019. The fest was conducted to provide a platform for the students and faculty of central university of Kerala to exhibit the various innovative products developed inhouse. Several innovative products which include sensors to detect gases-Electronic NOSE, which is highly sensitive to detect odors and gases; biosafe reagent for molecular biology research - NU-lite Hue, which is a one shot substitute for four different expensive chemicals used in biological research, novel environment friendly plastic, Novel drosophila model system for checking environmental toxicants, novel drug candidate for Alzheimer's disease; novel anticancer peptides, sensors for detection of food adulterants; novel nanoparticle based drug carriers to overcome anticancer drug resistance; model for EEG helmet capable of early detection of epilepsy and drowsiness; novel formulation for diabetic wound healing and novel ways for usage of seaweeds as alternative sea vegetables were exhibited. The research teams explained to the visitors, both from within CUK and other nearby educational institutions, their ready patent innovations. The innovative products exhibited were developed by angiogenesis and non-coding RNA research group, sustainable resources research group, nanodevices laboratory, algal research group, genetics and toxicology laboratory and intelligent computing labs, working in the Central University of Kerala.

2. Innovation Fest 2019: Aavishkar 2019 was followed by Innovation fest 2019, the first of its kind, district level Innovation Fest from the 18<sup>th</sup> of February to the 20<sup>th</sup> of February 2019. The fest was intended to provide a platform to the innovators in the district to showcase their innovations and innovative ideas. The fest provided a common platform for exhibiting innovations from institutions of higher education in the district, schools and the non-affiliated grass root innovators at a common

arena.

The Fest was inaugurated by Prof. G. Gopakumar, the Honorable Vice Chancellor of Central University of Kerala, on 19<sup>th</sup> February 2019. The theme of the fest was "Nurturing the Innovative Ecosystem". Many participants ranging from the PhD Scholars of Universities to the local innovators of Kasaragod had presented their novel and innovative works. There were posters, models, demonstrations and even live experiments.

There were 44 stalls, comprising of about 100 participants, from various educational institutes and schools like Central University of Kerala, CPCRI, Kendriya Vidyalaya, Sadguru Public School, Swami Nithyananda, Chinmaya Vidyalaya, Jawahar Navodaya, St. Peter's ICSE School, Iqbal HSS, GHSS, Udayanagar High School etc. and common grass root innovators from different parts of Kasaragod.

Central University of Kerala had presented their innovative works like the discovery of novel peptides with both anticancerous and antimicrobial properties, the Micronuclei Test in Drosophila for the simple detection of genotoxicity; and the innovative discovery of 'Nu-tide Hue reagent' with multilevel functionality in the field of Molecular Biology. There were also novel works related to the synthesis of algae-based ecofriendly polymer biocomposites; and two-dimensional semiconducting materials based electronic noses for the automated identification of volatile compounds. Many research scholars and M. Sc. students had participated and gave vibrant presentations.

Students of Kendriya Vidyalaya had presented their novel works like the 'Blind-co-path' which was a project based to help blind people for the detection of obstacles and thus smooth travel; and the 'Smart Home Managers' to control any electrical equipments in our home from any part of the world using our mobiles. There was a 'Smart Helmet' to safeguard the driver of a two-wheeler as the bike wouldn't start if that person is drunk or without a helmet; and the concept of 'Amphibious House' that was meant to withstand and cope up with the natural calamities like flood.

There were students of Chinmaya Vidyalaya from both Kanhangad and Nileswaram. There were project models like 'Automated Street Light', alarm methods to detect raindrops on roof tops, demonstrated the process of crystallization in CuSO<sub>4</sub>, oxygen as a major fuel for combustion, working model of stethoscope and respiratory system, worked out Archimedis Principle, refraction in water etc.

Students of Sadguru Public School had presented on the synthesis of conducting carbon inks from smoke carbon, battery carbon, graphite, graphene etc. and the synthesis of natural lipbalms; the students also demonstrated the hydraulic robotic arm, neutralization reaction etc.

Swami Nithyananda School had presented with models on rainwater harvesting wind turbines in converting wind energy to electrical energy, waste water treatment plant to purify and make effective use of waste waters, demonstration of aeration in water without electrical equipments etc.

Jawahar Navodaya had created perfumes from the used and waste flowers like jasmine, rose etc. obtained from temples. Iqbal HSS had presented on 'Li-fi' in which devices work on the detection of the light with respect to its intensity.

CPCRRI had presented their research works on coconut namely the feasibility of coconut milk residue for cold extrusion, effect of coconut ingredients on the quality and sensory attributes of ice cream, coconut leaf vermicompost and vermiwash, development of an agricultural waste fired cooker for the production of hot processed virgin coconut oil etc. They had also showcased various cropping methods, major threats for the coconut crops, different varieties of nuts, cocoa hybrids, method for coconut embryo culture etc.

There were individuals native of Kasaragod who had revealed their works related to the idea of folk medicine as a remedy for snake venom, burns, piles etc.; the creation of a hybrid variety of earthworm suitable for saline soils, water purification plant etc. There was also a wonderful exhibition of different medicinal plants.

Institutional Human Ethics Committee

The Institutional Human Ethics Committee has been reconstituted on 23<sup>rd</sup> November 2018 as per the guidelines of Indian Council of Medical Research (ICMR) with the following members.

Dr. Jayaprasad Kodoth (Chairperson)

Dr. Rajendra Pilankatta

Adv. Sreekanth K

Dr. Amruth G Kumar

Dr. Jayakrishnan Thavody

Shri. P Krishnan

Dr. Vineesh Kumar KV

Ms. Sreedevi E

Dr. Ranjith n Kumavath

Dr. R Satheesh Kumar

Dr. Elezabeth Mathews (Member Secretary)

The Institutional Human Ethics Committee Meeting was convened on 7<sup>th</sup> December 2018 and 17<sup>th</sup> May 2019 and reviewed 24 research proposals. The committee approved 20 research proposals which includes the research work of the faculty, Masters and PhD students, predominantly in the area of biological sciences, public health and social work.

#### ACTIVITIES OF HINDI CELL

For the effective implementation of Official Language Hindi in the University, an Official Language Implementation Committee (OLIC) was constituted comprising the Vice Chancellor, as the Chairman, the Registrar as the Executive Chairman, the Hindi Officer as the Member Secretary and all the Deans of Schools, HODs and Section Heads as members of the Committee.

The meetings of Official language Implementation Committee are being conducted every quarter to discuss the progress of Official Language Implementation in the University. During the Financial Year 2017-19, the quarterly meetings were conducted on 26 June 2018, 07 September 2018, 21 December 2018, and 14 March 2019.

Now most of the stationeries like letter heads, forms, files, registers etc. used in the University are prepared bilingually and the Hindi Cell is taking necessary steps to make all the official stationeries used in the University in bilingual format. The boards and the rubber

stamps are already made in bilingual form. The Degree Certificates of all courses conducted by the University are now prepared both in Hindi and in English. The University website is partially bilingual. All computers used in the University are having bilingual facility. All the notified Ordinances of the University are bilingual. The pay slips are issued in bilingual form.

#### Hindi Workshops

A Hindi Workshop was conducted for the officers and staff on 07.06.2019. Dr. Urmila Devi, Jt. Secretary and Dr. Mahender Kumar, Under Secretary, University Grants Commission were the resource persons.

Another one Hindi Workshop was conducted on 24.09.2019. Shri. Aravindakshan, OL Section, Employees Provident Fund Organisation, Kannur was the resource person.

#### Incentive Scheme

The University has introduced an incentive scheme for its employees for original noting and drafting in Hindi. The winners of the Incentive Scheme were awarded with cash prizes during Hindi Fortnight Valedictory Ceremony held on 28<sup>th</sup> Sept 2019.

#### Incentive Scheme Assessment Committee for the year 2018-19

Dr. A. Radhakrishnan Nair,  
Registrar - Chairman  
Prof. (Dr.) K. P. Suresh,  
Dean, School of Education - Member  
Dr. Anish Kumar. T. K.,  
Hindi Officer - Member

#### HINDI FORTNIGHT CELEBRATION 2018

The Central University of Kerala always gives special attention to the activities related to the Official Language Implementation in the University. This year the Hindi Fortnight was organized from 14<sup>th</sup> to 28<sup>th</sup> September 2018. The fortnight was inaugurated on 14<sup>th</sup> Sep 2019, the Hindi Day by Prof. (Dr.) K. P. Suresh, Dean, School of Education. Dr. M. Muralidharan Nambiar, Controller of Examinations presided over the function. Dr. A. Manickvelu, DSW felicitated the ceremony. Dr. Taru S Pawar, Associate Professor,

Dept. of Hindi delivered the welcome speech and Dr. Anish Kumar. T. K., Hindi Officer proposed vote of thanks. Dr. Seema Chandran, Asst. Professor, Dept. of Hindi was the co-ordinator of the inaugural ceremony.

In connection with the Fortnight Celebrations, various Hindi Competitions have been conducted for the CUK Employees, Students and the Employees' children. Everybody creatively participated in all the Hindi programmes and competitions. In addition to this, various Hindi competitions have been conducted this year for the College and High School students in Kasaragod district. The Hindi competitions for the College and High School students have been co-ordinated by the Dept. of Hindi, CUK. Hindi programmes have been separately conducted in the Law Campus, Thiruvalla and the Capital Centre, Thiruvananthapuram. The Hindi programmes in Thiruvalla Campus have been organized under the leadership of Prof. K. C. Sunny, HOD-Law and Dr. Jayasankar. K. I., Assistant Professor-Law and the Hindi programmes in Capital Centre have been co-ordinated by Dr. Reinhart Philip, Assistant Professor-IR.

The Valedictory Ceremony of the Hindi Fortnight Celebration 2018 of the CUK was conducted on 28<sup>th</sup> September 2018 at 10 am in Tejaswini Hills Campus. Hon'ble Vice-chancellor Prof. (Dr.) G. Gopa Kumar inaugurated the programme. Dr. M. Muralidharan Nambiar, Controller of Examinations presided over the function. Prof. M. S. Vinayachandran, Former Principal, University College, Trivandrum was the Chief Guest of the function. Prof. Ajith Kumar. N., Dean, School of Languages and Comparative Literature, Prof. Sudha Balakrishnan, Head, Dept. of Hindi, Dr. Taru. S. Pawar, Associate Professor, Hindi, Dr. Anish Kumar. T. K., Asst. Director (OL) and Dr. Dharmendra Pratap Singh, Asst. Professor (Hindi) felicitated the function. Prizes for the Hindi Competitions were distributed to the winners. The programme concluded with cultural programme by the students, Dept. of Hindi.

During the valedictory ceremony, cash prizes have been distributed to the winners of the various Hindi competitions. The winners of the incentive scheme for doing maximum work in Hindi for the year 2017-18 were awarded with

cash prizes in the valedictory function. The programme was concluded with colourful cultural programme by the students of the Dept. of Hindi.

Participation in Conference/Seminars/Workshop etc.

Dr.M.Muralidharan Nambiar, Controller of Examinations and Dr.Anish Kumar.T.K, Hindi Officer attended the All India Official Language Seminar organized by the Ministry of HRD from 31.01.2019 to 01.02.2019 at Port Blair.

Dr.Anish Kumar.T.K, Hindi Officer attended the Regional Official Language Conference and Seminar organized by the Regional Implementation Office (S-W), Ministry of Home Affairs on 14.02.2019 at Cochin University of Science and Technology.

Report of the Activities of the Placement Cell

The year under discussion witnessed the launching of Capacity Enhancement Programme to the pass out students of CUK under two spells. The first spell was held on 15<sup>th</sup> March to 17<sup>th</sup> March 2019 in the seminar hall of the Sabarmathy block. Dr. M.Muralidharan Nambiar, the Controller of Examinations, CUK inaugurated the three day training programme which was well attended by 58 participants from the various Departments of the University. The services of the well experienced renowned Master Trainers like Dr.Sunita Ranjan, Dr. V Bharath Das, Dr. M.N. Mohamedunni Alias Musthafa, Dr. Gireesh Kumar T.K., Dr. Shaini P., Dr. Pramod Dinakar, Dr. Bindu M.P., were utilized to handle different session of the training programme. Dr. Rajendra Pillankatta, Dr. A.Manickavellu, and Dr. Efthikar Ahamed B., felicitated the programme.

Considering the inputs and feedback received from the participants of the first Capacity Enhancement Programme (CEP), the Placement Cell was happy to organize a second session of CEP programme of three days' duration from 29<sup>th</sup>, 30<sup>th</sup> and 31<sup>st</sup> March 2019, which was also attended by the pass out students from the various Departments of the University.

The Prof. (Dr.) G. Gopakumar, Honorable Vice chancellor was the chief guest for the valedictory function of this programme.

#### ONLINE GRIEVANCE FORM

A complaint registration page for SC/ST has been developed and linked to the website of the University. When any student submits a complaint in the form, an e-mail comes directly to the email of the Registrar, which will contain contact details as well as complaint details of the concerned complainant.

The main functions of the SC/ST Cell are as under:-

To furnish the information on annual basis regarding course-wise admission to candidates belonging to the reserved categories in the Universities for different course, in forms prescribed, by a stipulated date, and to take follow up action, where required.

To furnish information in respect of appointment, training of these communities in teaching and non-teaching posts in the University and take follow up action where required.

To furnish various information on the various aspects of education, training and employment of Scheduled Castes and Scheduled Tribes candidates, for evolving new policies or modifying existing policy by the Commission.

To prepare reports and digests for onward transmission to the Ministry of Human Resource Development/ University Grants Commission and such other authorities as may be required.

To deal with representations received from Scheduled Castes and Scheduled Tribes candidates regarding their admission, recruitment, promotion and other similar matters in Universities/Colleges.

To monitor the working of the remedial coaching scheme, if approved in the University.

To function as Grievances Redressal Cell for the Grievances of SC/ST students and employees of the University and render them necessary help in solving their academic as well as administrative problems.

To maintain a register for employment of SC/ST of SCs/STs in the University and Colleges for the candidates belonging to SC/ST communities for various posts in the University/Colleges.

Any other work assigned from time to time to

promote higher education among these communities suffering economic, social and education deprivations.

#### Report of Swachh Bharat Abhiyan (SBA)

The 'clean drive' mission under Swachh Bharat Abhiyan in association with the NSS wing of the University was held on 2<sup>nd</sup> August 2018. The campus premises, quarters, hostel, canteen and the office premises were cleansed. The programme drive was inaugurated by Dr. G. Gopakumar Vice-chancellor, in which all the University teachers including non-teaching staff, research scholars and students actively participated and made the venture a grant success.

Under the Swachh Bharat Abhiyan mission, relief activities were done in the flood affected areas of Wayanad district and our students actively involved in the supply of medicines, dress materials and buckets and cups to the inmates of the relief camps. This great mission was inaugurated by Dr. A. Radhakrishnan Nair, Registrar CUK. Many of the Research scholars and students of CUK actively involved in the relief camp opened in Kasaragod, Ernakulam, Kottayam, Alapuzha, Pathanamthitta and Thiruvananthapuram districts.

The "Swachh Bharat Abhiyan Pakhwada" celebration was observed in the university campus in a most befitting manner. The celebration was formerly inaugurated by Prof. (Dr.) G. Gopakumar, Vice-Chancellor, CUK, by swearing the Swachhtha Pledge to all the participants of the under Swachhtha mission.

This was followed by campus cleaning including hostel premises, film screening on Swachhtha mission activities of Government of India was displayed among the student community followed by discussions and awareness camp. New incinerators were installed in the ladies' hostels, for the disposal of waste materials colour coded waste bins were installed to each and every Department, and in the administrative building.

The valedictory address was delivered by W.G. Prasanna Kunmar, Director, Mahatma Gandhi National Council for Rural Education, Hyderabad. He distributed the certificates and

cash prizes to winners in the different competitions.

#### SWAYAM CELL CUK

SWAYAM Cell of Central University of Kerala was functioning from 2016. The cell has conducted three important programmes in the last year. Initially SWAYAM joining with IQAC have conducted training to all faculties of Central University of Kerala on SWAYAM MOOCs, promo video production was done and finally 10 Applications were submitted in the SWAYAM Portal for PG MOOCs on which 4 Applications were approved with a Project worth 13.5 Lakhs each. One MOOC Production was completed and the course is about to start in July 2019. Other three proposals are in the production stage. A workshop on Curriculum Transaction Through Open Educational Resources from 31<sup>st</sup> July to 1<sup>st</sup> August 2017 collaborating with CEMCA, New Delhi was conducted for the Faculties of Central University of Kerala, Funded by PMMMNMTT.

Three days' workshop on Massive Open Online Course (MOOC) Through SWAYAM & Production of Promo Video was conducted 31<sup>st</sup> October 2018 to 2<sup>nd</sup> November 2018 in which 15 Promo videos of high definition were prepared and out of that three faculty have received selection to SWAYAM PG MOOCs. Other applications are still under the review process by SWAYAM. Dr. K.Srinivas, Professor ICT, NUEPA, a SWAYAM technical Committee member was the Key Resource person in this Three days' workshop.

#### Proposed Activities

- Create awareness on SWAYAM MOOC among the student Community in Central University of Kerala
- 100% enrolment for PG students in SWAYAM MOOC
- Conduct Training for faculties to apply for SWAYAM MOOC
- Initiate the process of Educational video production
- Organize training for Promo Video Production for SWAYAM MOOC Application

#### CENTRAL UNIVERSITY OF KERALA

Organized three day Capacity Building

Programme on Drug abuse prevention for school counsellors from 17<sup>th</sup> to 19<sup>th</sup> September 2018 funded by National Institute of Social Defence, New Delhi.

Organized three day Capacity Building Programme on Drug abuse prevention for MSW students from 24<sup>th</sup> to 26<sup>th</sup> September 2018 funded by National Institute of Social Defence, New Delhi.

#### CENTRE FOR GERONTOLOGY, DEPARTMENT OF SOCIAL WORK

##### CENTRAL UNIVERSITY OF KERALA

Dr. Laxmi, co-ordinator of the centre organized National conference on "Active Aging: Paradigms for Post modern Era" on 6<sup>th</sup> and 7<sup>th</sup> December 2018 funded by National Institute of Social Defence (NISD), New Delhi)

Dr. Laxmi initiated a program entitled "feed water for birds" in Government old age home paravanadukkam in the name "koodoorukam kuttirikam koottayirikam" on 20/03/2019. Dr. Laxmi handed over the pots to inmates of old age home and inaugurated the program. The inmates of the old age home placed the pots to different trees in the old age home and put water to all the pots and determined to put water every day.

#### Academia-Industry Collaboration

Universities/academic institutions mainly focus on educating people, creating new knowledge and excelling in existing know-how. While industries/companies concentrate on mastering the challenges of a competitive environment and striving for market success. It is quite obvious that the core interests of both parties are different. However, when they collaborate, innovations come out and both partners get maximum benefits. CUK has young and vibrant science faculty representing various disciplines of science who are working hard to transform the University into a real centre of excellence through innovations and technology development and thereby leave an imprint in the 'Make in India' programme of the Government of India.

CUK has formulated a centre for 'Academia-Industry collaboration'. Some CUK faculty have already collaborated with various public and private industries. Dr. Aswati Nair from

Department of Bio-chemistry having joint project with Milkens Bio Pvt. Ltd, Bangalore which is funded by Biotechnology Ignition Grant (BIG)-Bio technology industry research council, India. Faculty from Department of Biochemistry and Department of Physics is working on development of Bio-sensor-nano-materials to detect ammonia with the possible collaboration with ORIGIN-Kochi. One of our faculty from the Department of Plant Science, is in the process of establishing a robust partnership with A2 Advance Automation Private Limited through UK-Indian business and academic teams to support the removal of toxic pollutants, such as pesticides, metals (arsenic/ lead), and polyhydroxyaromatics from water, as well as to reduce contamination of surface and groundwater resulting from excessive use of pesticides. Similarly, Department of Animal Science faculties have collaboration with PCI-Bangalore. A faculty member from Department of Chemistry has collaboration with IOCL R&D. Department of Chemistry and Department of Environmental Science arranging Industrial visit for M.Sc. students regularly.

#### NATIONAL SCIENCE DAY CELEBRATION-2019 AT CENTRAL UNIVERSITY OF KERALA

Central University of Kerala celebrated the National Science Day-2019 by conducting series of events between 18<sup>th</sup>-28<sup>th</sup> February 2019 under the theme "Science for People and People for Science". Central University of Kerala is all set the goal as "Communicating Science for all". The celebration was inaugurated on 18<sup>th</sup> February 2019 by Prof. (Dr.) Gurmeet Singh, Vice-Chancellor of Pondicherry University with his lecture on the topic "Why to be a Proud Indian?". The inaugural function was presided over by Prof. (Dr.) G. Gopakumar, Vice-Chancellor, Central University of Kerala. Dr. Radhakrishnan Nair, Registrar, Central University of Kerala felicitated the occasion. Dr. A. Sakthivel, Convener of the celebration gave away the introductory address. Vice Chancellor Prof. (Dr.) G. Gopakumar highlighted the fast pace development of the Central University of Kerala and the investment being done for its academic growth. A series of competitions such as logo-design, theme-based

drawing and essay writing and quiz program were also conducted during this period. Competition was held among the research Scholars from various Schools of the Science department and the best presentations were rewarded. On 22<sup>nd</sup> February 2019, Dr. Rubi John Anto, FNASc, Scientist 'G' from Rajiv Gandhi Centre for Biotechnology delivered a lecture on the topic "Exploring nature for potential anti-cancer agents" which is in need of the hour. The lecture series continued on the forenoon of 25<sup>th</sup> February 2019 with a talk on the topic "Device applications of certain nanostructures" by Prof. (Dr.) Mahadevan Pillai, Vice Chancellor, University of Kerala. The lecture series concluded with an interesting and inspiring talk by Prof. Dr. Achuthsankar S. Nair, Professor, Department of Computational Biology and Bioinformatics, University of Kerala. The Science day celebration kindled the research interest among students which is a positive sign.

#### Anti-discrimination cell report 2018-19

The anti-discrimination cell of Central University of Kerala (CUK) is constituted by the following members:

Dr. K. Arunkumar, Associate Professor of Plant Science - Convener

Dr. Rajendra Pilankatta, Associate Professor of Biochemistry and Molecular biology - Member

Dr. T. J. Joseph, Assistant Professor of Economics - Member

Dr. Thasleema T M, Assistant professor of computer science - Member

Dr. Seema Chandran, Assistant Professor of Hindi - Member

Dr. Gilbert Sebastian, Assistant professor of International relation - Member

Dr. R. Manikandan, Assistant Professor of Mathematics - Member

The committee investigates the complaints related to the matters of depriving a student or a group of students on the basis of caste, creed, religion, language, ethnicity, gender, disability of access etc. in the class room, laboratory, library or in the university premises of any type or at any level. The Cell safeguards the interest of the students without any prejudice to their caste, creed, religion etc. and also to eliminate

discrimination or harassment against of any students in all forms as well as to promote equality among students of all sections of the society in central University of Kerala. No such complaint from students received in the academic year 2018-19.

#### ANTI RAGGING COMMITTEE REPORT 2018-19

There have been no Anti Ragging cases reported in the University till date. The students are given awareness on ragging and its consequences in the beginning of the new academic year and are made to fill the online anti ragging undertaking. Every Student is given an information card related to ragging with the contact details of CUK-ARC members and National level helplines. Anti-ragging posters have been displayed with contact details of CUK-ARC members and national level helplines at all prominent places. The wardens of all hostels are frequently contacted to make sure that no ragging takes place in hostels. Anti-ragging squad has been constituted for further checking and visits in campus. The Committee collaborates with the Students Counselling Centre of CUK to ensure better mental health and hygiene of the students.

#### CENTRE FOR CURRICULUM RESEARCH POLICY AND EDUCATIONAL DEVELOPMENT (CCRPED) AT CENTRAL UNIVERSITY OF KERALA

Centre for Curriculum Research Policy and Educational Development (CCRPED) is a research centre under PMMMNMTT, SoE. The Centre promotes pedagogical research and endeavours to achieve excellence by facilitating quality teacher education. Personalised skill based training is provided in the centre to meet the challenging roles of teachers in the 21<sup>st</sup> century. The CCRPED has conducted 3 Community Sensitization Programmes, 2 Induction Training Programmes for Teachers working in Universities/Colleges/Institutes, 5- Teachers Training Workshops, 1 Faculty Development Programme, 1 Symposia, 1 Research Methodology Course during the period from April, 2018 to April, 2019. The total number of beneficiary is 505. 15 Minor Research Projects are sanctioned to Teachers working



Universities/Colleges/Institutes from across the country. Thirty five Projects are presented by the participants of Induction Training Programme.

#### Faculty Induction and Development Cell

The activities of the Cell was taken care of by the Induction training program of the School of Education under PMMMNTT. Two Induction training programmes were conducted during the year.

#### Grievance Redressal Cell

The year under discussion is relatively characterized by no serious complaints lodged in the students portal or to the coordinator of the Cell. Only one complaint was received by the Cell from the Dept. of English which was settled amicably and the student was satisfied with the measures taken by the redressal cell. Thanks to the Student Community for a peaceful campus atmosphere prevailing in Central University of Kerala.

#### HEALTH CENTER

##### STAFF PATTERN OF HEALTH CENTER

DR. ARATHY.R.NAIR, MEDICAL OFFICER (CONTRACT BASIS) 14.10.16 TILL DATE

RAJISHA .A.P, NURSE (OUTSOURCE BASIS) 30.01.18 31.11.18

JITHESH.M, PHARMACIST (OUTSOURCE BASIS) 30.01.18 TILL DATE

PRAVEEN.KRISHNAN, AMBULANCE DRIVER (OUTSOURCE BASIS) 01.12.16 TILL DATE

VIVEKANANDHAN.K AMBULANCE DRIVER (OUTSOURCE BASIS) 01.12.16 TILL DATE

#### ACTIVITIES DONE IN THE YEAR 2018-19

APPOINTED A CLINICAL PSYCHOLOGIST AS EXPERT CONSULTANT TO ADDRESS THE MENTAL HEALTH ISSUES OF STAFF AND STUDENTS.

ARRANGED OUT PATIENT CLINIC WITH SUPPLY OF MEDICINES AT FREE COST FOR ALL STAFF AND STUDENTS.

AMBULANCE FACILITY IMPROVED WITH ALL NECESSARY EQUIPMENTS IN CASE OF

#### EMERGENCY HEALTH PROBLEMS.

MANAGEMENT OF MALARIA & DENGUE FEVER BY SOURCE REDUCTION CAMPAIGN EVERY MONTH DURING RAINY SEASON FROM JUNE 2018.

SCREENING CAMPS FOR LABOURERS WORKING IN CONSTRUCTION SITES IN COLLABRATION WITH PUBLIC HEALTH DEPARTMENT DURING JUNE TO AUGUST 2018.

ACTIVITIES IN COLLABRATION WITH COMMUNITY HEALTH CENTER, PERIYA FOR PREVENTION OF MALARIA AMONG MIGRANT WORKERS JUNE 2018.

ARRANGMENT OF PESTICIDE SPRAYING AND FOGGING BY DAILY WAGES LABOURERS THROUGH OUT MANSOON SEASON TO PREVENT MALARIA AND DENGUE FEVER FROM MAY TO NOV 2018.

PROPHYLAXIS, TREATMENT AND CONTAINMENT OF CHICKEN POX EPIDEMIC IN THE HOSTELS DECEMBER 2018.

DISTRIBUTION OF IRON, FOLIC ACID TABLETS FREE OF COST FOR ALL STUDENTS.

ARRANGING MEDICAL AID FOR ALL STAFF AND STUDENTS ON ANY CELEBRATION DAYS LIKE ARTS DAY, SPORTS DAY, CAMP DAY etc.....

CONDUCTING HEALTH CAMPS WITH ASSISTANCE FROM DEPARTMENT OF PUBLIC HEALTH.

COLLABRATING WITH OTHER CENTERS FOR BLOOD EXAMINATION OF STAFF AND STUDENTS AT CENTRAL GOVERNMENT RATES.

INITIATING NEW STRATEGIES TO IMPROVE HEALTH PROBLEMS OF INMATES

PROVIDING MEDICAL AID FOR RESIDENTIAL CAMPS LIKE INSPIRE PROGRAMME, NSS CAMPAIGNS SO ON.....

CONDUCTING FLOOD RELIEF MEDICAL CAMP ON BEHALF OF OUR UNIVERSITY IN WAYANAD TRIBAL COLONY AND GIRIVIKAS RESIDENTIAL CENTER.

ASSESSMENT OF WATER QUALITY OF THE WATER SOURCES OF UNIVERSITY AND ARRANGMENTS FOR PROPER CHLORINATION OF WATER SOURCES

# NSS Cell

## Advisory Committee Members:

Prof. (Dr.) G. Gopa Kumar, Vice Chancellor	(Chairperson)
Shri. Sajith Babu, Regional Director, NSS	(Member)
Dr. Sabukkuttan, State Liaison Officer, NSS	(Member)
The Coordinator, Empanelled Training Institution (ETI)	(Member)
The Registrar	(Member)
The Controller of Examinations	(Member)
The Finance Officer	(Member)
Dr. Ajith Kumar N, Dean, SLCL	(Member)
Dr. Manickavelu, DSW	(Member)
Dr. Pratheesh, Programme Officer, Unit 1	(Member)
Dr. Anbazhagi, Programme Officer Unit 2	(Member)
Dr. Shaini P., Programme Officer Unit 3	(Member)
Dr. Joshith V.P., Asst. Professor,	(Member)
The Dist. Youth Coordinator, NYK, Kasaragod	(Member)
The Dist. Social Justice Ofc, Social Welf Dept., KSGD	(Member)
Volunteer Secretary NSS Unit 1	(Member)
Volunteer Secretary NSS Unit 2	(Member)
Volunteer Secretary NSS Unit 3	(Member)
Dr. Efthikar Ahamed B., Programme Coordinator	(Member Secretary)

## Swachtha Internship Programme by NSS Volunteers

Selected NSS Volunteers of Central University of Kerala attended the 15 Day Swachhta Bharath Summer Internship 2018 from 1<sup>st</sup> to 15<sup>th</sup> June at Kuttikkol, Kasaragod. They were able to have a tremendous first-hand experience in the rural premises of the area.

## Flood Relief Camp at Wayanad

As per the request received from the Kerala State Flood Relief Committee of Wayanad District and the directions from the Hon. Vice Chancellor of CUK, the NSS Cell joined the Mass Shramadan in the flood hit areas of Mananthawadi on 30.08.2018.

70 Volunteers participated the programme along with Dr. Efthikar Ahamed, the Cell Coordinator and Dr. Pratheesh P., the PO of Unit 1.

Relief materials collected and received

from the NSS Cell of Central University of Gujrath were distributed among the needy people as per the directions of the Local Self Government Body representatives.

## Blood Donation Camp

A One Day Blood Donation Camp was conducted on 13.09.2018 by the National Service Scheme Unit-1 in collaboration with the NSS Cell of Central University of Kerala. Kasaragod General Hospital and Blood Bank collected 70 packets of blood from the students with the help of the Medical Department of the University.

Around 200 students came for registration in the morning and 150 passed the physical fitness test for donation. Unfortunately, a good bunch of students has consumed the 'Doxycycline' during the last NSS cleaning activity at Wayanad were not accepted by the medical team to donate blood.

Dr. Pratheesh P., the Programme Officer of Unit 1 and Dr. Efthikar Ahamed B., the NSS Cell Coordinator were in charge of the programme. The Vice-Chancellor, Registrar, Pro- vice-chancellor, Controller of Examinations, University Medical Officer, visited the Camp and extended their support.

#### MINI MARATHON AT CUK ON WORLD OZONE DAY

As a part of World Ozone Day, on September 17, 2018, NSS Unit 2 of Central University of Kerala organized a Mini Marathon to spread the awareness to prevent the depletion of ozone layer. The marathon was flagged off by Honourable Vice Chancellor Prof. Dr. G Gopa Kumar in the presence of Pro Vice Chancellor Dr Jayaprasad, Registrar Dr. Radhakrishnan Nair, Dr. Muralidharan Nambiar, Controller of Examinations, Dr. Efthikar Ahamed Programme Coordinator of NSS Cell and Dr. S. Anbazhagi, NSS Programme Officer, Unit -2 from Gangothri.

The marathon which started from Gangothri took about three kilometres of distance and ended in Narmada block. The programme was a great success with the participation of NSS volunteers, students, teachers and non-teaching staff members.

#### WORLD HEART DAY

The NSS Unit, in collaboration with the Department of Yoga, School of Medicine and Public Health, Central University of Kerala, has organized a programme in connection with the 'World Heart Day' on 26<sup>th</sup> September 2018. The honourable Vice Chancellor of CUK, Dr. G. Gopakumar has inaugurated the Laughter Club by releasing the logo. He had mentioned the importance of Laughter and Yoga in eradicating the prevailing stress among the students. These were also the best methods to sustain a healthy heart that ensures a healthy life.

Lectures were presented on 'Healthy Heart' by Dr. Suraj S. Nambiar, Consultant Physician, Krishna Medical Centre, Kanhangad and 'Exercises for Healthy Heart' with demonstrations by Dr. Subramanya Pailoor, Yoga Academic Coordinator, CUK. The cash prizes for the winners of Yoga competition conducted in

connection with this programme were distributed by Dr. Muralidharan Nambiar, Controller of Examination, CUK.

Dr. Rajendran Pilankatta, Dr. Efthikar Ahamed and Dr. S. Anbazhagi, Programme Officer, NSS Unit-2, felicitated the initiative.

#### BAMBOO BIN MAKING AT CUKERALA

On 29/09/2018 (Saturday), NSS volunteers of Unit 3 joined hands together under the guidance of Dr. Shaini P, Programme Officer NSS Unit 3, into making dustbins out of bamboos collected from campus premises.

Under the leadership of Ms. Arya P S, Jishnu and Ajmal Shahjahan, two bins were successfully made and were placed in the Multi Purpose Hall premises for use. The bins are to be used for collecting plastic wastes, an initiative into making CU Kerala a green campus.

#### GANDHI JAYANTI CELEBRATIONS

On 2nd October, 2018 CU Kerala NSS Unit 3 volunteers had a good plan in contributing for Swachh Bharat vision of our Mahatma. Under the leadership and coordination of Feroz Ahamed and Jumana K N, the volunteers cleaned the premises of Public Health Centre (PHC), Periyar. The volunteers showed great sense of service and commitment during the cleaning activities.

#### Donate A Book Drive

National Service Scheme, Unit -2 of Central University of Kerala, in collaboration with Central University Library initiated a book donation drive in our campus to praise National Girl Child Day. All the books received from the donors were handed over to the students of Government High School, Kalliot, Periyar on Saturday the 2<sup>nd</sup> February 2019 by the honourable Vice Chancellor Prof. Dr. G. Gopa Kumar.

The Vice Chancellor insisted on the importance of higher education of Girl children and hence every girl child should be educated to gain the self-respect in the society. He also mentioned the role of Central University of Kerala in enlightening the people of Kerala – especially Kasaragod district. Dr. Rajendra Pilankatta, and Dr. S. Anbazhagi, Programme Officer, NSS Unit-2 felicitated the function.

PERIYE, MONDAY, JUNE 22, 2015

# CENTRAL UNIVERSITY OF KERALA

ESTABLISHED BY AN ACT OF PARLIAMENT, 2009

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## MEDIA RELATIONS OFFICE

### Staff Details

**Dr. T. K. Anish Kumar, Media Relations Officer**

**Aneesh A., Media Relation Assistant (Outsource)**

**Jimshith A. C., Office Assistant (Outsource)**

The Media Relations Office of the Central University of Kerala was constituted in 2012 to facilitate positive, consistent and credible reports about the University and its activities in the media so as to provide visibility to the University and to keep the public posted about the University's events, achievements and extension activities.

The Office of the Media Relations is the first point of contact for media outlets. Each year the MRO issues dozens of press releases and media advisories reporting University accomplishments, including grants received, other faculty and student achievements, new academic programmes, conferences and upcoming events. This has enabled the general public to keep abreast of and participate in University activities. The MRO also regularly contacts local and regional media representatives about feature stories on Campus. National dailies gave extensive coverage to the University throughout the 2016-17 academic year. Leading vernacular dailies like Mathrubhumi, Malayalammanoram etc. also dedicated ample provided columns on education. Other dailies that gave coverage to University news included Janmabhumi, Udayavani, Chandrika, Deshabhimani, Kerala Kaumudi, Madhyamam, Veekshanam, Tejus etc. We share the news of the University through 24 dailies and 16 channels. Out of the above, the University is having circulation of 9 vernacular dailies and 2 English dailies.

The following are some of the remarkable auspicious events in the University during the financial year 2018-19 and the Media Relations Office has given special attention for providing maximum media coverage for these glorious moments:-

The foundation stone for 2 new hostels were laid on 08.04.2018 by Shri. Alphonse Kannanthanam, Union Minister for Tourism and

Information Technology.

Hon'ble Vice-President of India, M. Venkaiah Naidu dedicated the new major academic buildings of the University to the Nation on 29.04.2018

The inauguration of the Sree Vidyadhiraja Chattampi Swami Centre for Malayalam Studies and the laying of foundation stone for the new SC hostels were done by the Hon'ble Mizoram Governor, Shri. Kummanam Rajasekharan on 24.07.2018.

On 05.08.2018, Dr. Satyapal Singh, Minister of State for HRD visited the University and laid foundation stone for the buildings of Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, School of Education and the Dept Yoga.

On 29.10.2018, Hon'ble MP, Shri. Suresh Gopi visited the Campus and dedicated a high mast light in Tejaswini Hills Campus.

DST INSPIRE Science Camp was organised by CUK from 22<sup>nd</sup> December 2018 to 27<sup>th</sup> December 2017 in the Tejaswini Hills Campus.

The Third Convocation was held on 02.03.2019, in which Hon'ble Governor of Kerala, Justice P. Sathasivam was the Chief Guest.

The 10<sup>th</sup> Foundation Day was celebrated on 02.03.2019. Dr. S.A. Bari, Vice-Chancellor, Central University of Gujarat was the Chief Guest of the function.

### CU Kerala Newsletter

During the financial year 2018-19, 4 issues of the CU Kerala Newsletter have been published for showcasing the activities, awards, achievements, participation of faculties, research scholars, students and officials of CUK in various programmes, presentation of papers in the seminars and conferences, publication of articles in journals, newspapers and books etc.