



CENTRAL UNIVERSITY OF KERALA

കേരള കേന്ദ്രീയ വിശ്വവിദ്യാലയ

Department of Environmental Science

Sl: No:	Name Of Student	Register Number	Year of Admission	Title Of Thesis	Guide	Type Of Work	Place Of Work
1	Akshara Raveendran D	EVS051501	2015	Assessment of Surface Water quality of Anjarakandy River	Dr. Muthukumar Muthuchamy	Water Quality	Central University of Kerala
2	Varsha A	EVS051519	2015	Surface Water Quality Analysis of Valapattanam River, Kerala, India	Dr. Muthukumar Muthuchamy	Water Quality	Central University of Kerala
3	Shilpa V	EVS051515	2015	Assessment of Surface Water quality on Perumba River	Dr. Muthukumar Muthuchamy	Water Quality	Central University of Kerala
4	Salman Farissi	EVS051514	2015	Assessment of Surface water Quality on Kuppam River	Dr. Muthukumar Muthuchamy	Water Quality	Central University of Kerala
5	Sujina M	EVS051516	2015	Surface water quality analysis of Tejaswini River	Dr. Muthukumar Muthuchamy	Water Quality	Central University of Kerala
6	Archana P.S	EVS051504	2015	Impact assessment of pesticide effect on coconut plantation soil bacterial diversity and soil fertility	Dr. J. Sangeetha	M.Sc Dissertation	Central University of Kerala
7	Chinnu Mol	EVS051505	2015	Behavioural changes of Nile tilapia due to the exposure of glyphosate herbicide	Dr. J. Sangeetha	M.Sc Dissertation	Central University of Kerala
8	Jasna K.P	EVS051508	2015	Histopathological changes in the intestine tissues in the fresh water fish Nile thilapia exposed to glyphosate	Dr. J. Sangeetha	M.Sc Dissertation	Central University of Kerala
9	Nithya K	EVS051512	2015	Histopathological changes in liver in fresh water fish Nile tilapia (<i>oreochromis niloticus</i>) exposed to glyphosate	Dr. J. Sangeetha	M.Sc Dissertation	Central University of Kerala
10	HARITHA R	EVS051507	2015	INDUCTION OF FLOWERING IN DUCKWEED, <i>Wolffia microscopica</i>	Dr. K. SOWJANYA SREE	Research	Central University of Kerala



CENTRAL UNIVERSITY OF KERALA

केरल केन्द्रीय विश्वविद्यालय

Department of Environmental Science

11	KAVYA K K	EVS051509	2015	EFFECT OF SALT STRESS ON DUCKWEEDS	Dr. K. SOWJANYA SREE	Research	Central University of Kerala
12	LEKHA K. V.	EVS051510	2015	INDUCTION OF TURIONS IN DUCKWEEDS	Dr. K. SOWJANYA SREE	Research	Central University of Kerala
13	ANJU K	EVS051503	2015	EFFECT OF TEMPERATURE ON GROWTH AND DEVELOPMENT OF <i>Wolffia microscopica</i>	Dr. K. SOWJANYA SREE	Research	Central University of Kerala
14	THEJASWINI P T	EVS051517	2015	SHRIMP WASTEWATER TREATMENT USING DUCKWEEDS	Dr. K. SOWJANYA SREE	Research	Central University of Kerala
15	Aninditha Nambiar P E	EVS051502	2015	Physico-Chemical Analysis and Biological Treatment of Greywater Generated in Central University of Kerala	Dr. Rishiram Ramanan	Masters Dissertation	Central University of Kerala
16	Clince P Jose	EVS051506	2015	A Study on Solid Waste Management in Central University of Kerala	Dr. Rishiram Ramanan	Masters Dissertation	Central University of Kerala
17	Rahul K	EVS051513	2015	Solid Waste Management in Kanhangad Municipality	Dr. Rishiram Ramanan	Masters Dissertation	Central University of Kerala
18	Thushara K	EVS051518	2015	Physico-Chemical and Heavy Metal Analysis of Polluted Stretch of Periyar River in Ernakulam District and Algae-based Bioremediation of Lead Contamination	Dr. Rishiram Ramanan	Masters Dissertation	Central University of Kerala
19	Akhil V P	EES051602	2016	Assessment of Microbial Contamination of Ground Water from Payannur and Kalliasseri block Panjayaths in Kannur District	Dr. Muthukumar Muthuchamy	Water Quality	Central University of Kerala



CENTRAL UNIVERSITY OF KERALA

केरल केन्द्रीय विश्वविद्यालय

Department of Environmental Science

20	Athulya K P	EES051610	2016	Assessment of impacts of Kallai River on Ground Water Quality of Kozhikode Muncipal Corporation	Dr. Muthukumar Muthuchamy	Water Quality	Central University of Kerala
21	Ashwathi P B	EES051606	2016	Study on impact of salt water intrusion in the ground water at coastal region of Hosdurg Taluk of Kasaragod District, Kerala	Dr. Muthukumar Muthuchamy	Water Quality	Central University of Kerala
22	Anjali N	EES051604	2016	Assessment of Ground Water Quality in Parappa Block Panchayath in Kasaragod District, Kerala	Dr. Muthukumar Muthuchamy	Water Quality	Central University of Kerala
23	Anjana R	EES051605	2016	Screening of bacteria producing extracellular hydrolytic enzymes from mangrove sediments	Dr. J. Sangeetha	M.Sc Dissertation	Central University of Kerala
24	Athira P.P	EES051609	2016	Effect of flubendiamide insecticide on physiological and biochemical properties of <i>Capsicum annum</i> L. and <i>Solanum melongena</i> L.	Dr. J. Sangeetha	M.Sc Dissertation	Central University of Kerala
25	Deekshitha B	EES051611	2016	Histopathology and Behavioural Changes in <i>Oreochromis Niloticus</i> (Nile Tilapia) Exposed To Flubendiamide Insecticide	Dr. J. Sangeetha	M.Sc Dissertation	Central University of Kerala
26	THOMAS JOSE	EES051619	2016	INTERACTION BETWEEN THREE DUCKWEED SPECIES BASED ON THEIR GROWTH RATES	Dr. K. SOWJANYA SREE	Research	Central University of Kerala
27	SUHANA A	EES051618	2016	EFFECT OF SALICYLIC ACID AND BACTERIAL ASSOCIATION ON DUCKWEEDS	Dr. K. SOWJANYA SREE	Research	Central University of Kerala
28	VIPIN R	EES051620	2016	EFFECT OF PHOSPHATE STARVATION ON GROWTH AND MORPHOLOGY OF <i>Wolffia microscopica</i>	Dr. K. SOWJANYA SREE	Research	Central University of Kerala



CENTRAL UNIVERSITY OF KERALA

केरल केन्द्रीय विश्वविद्यालय

Department of Environmental Science

29	Neethu V S	EES051615	2016	Incidence of non tuberculous mycobacteria in patients with presumptive tuberculosis: Ecology and significance for human health	Dr. S Anbazhagi	MSc Dissertation	Central University of Kerala
30	Sreethu K	EES051617	2016	Prevalence of Non Tuberculous Mycobacterium (NTM) in drinking water distribution system	Dr. S Anbazhagi	MSc Dissertation	Central University of Kerala
31	Mamsha Manoharan M K	EVS051614	2016	Effect of Porphyrio Poliocephalus in paddy fields of Kasaragod district	Dr. S Anbazhagi	MSc Dissertation	Central University of Kerala
32	Khairunnisa A	EES051613	2016	Estimation of nutritional quality of flavoured milk and plain milk brands available in the local markets of Kasaragod Kerala, India	Dr. S Anbazhagi	MSc Dissertation	Central University of Kerala
33	Aiswarya Robert Antony	EES051601	2016	Synthesis and Characterization of Microalgae Reinforced Epoxy Resin	Dr. Rishiram Ramanan	Masters Dissertation	Central University of Kerala
34	Anagha P L	EES051603	2016	Biodegradation of Super Absorbing Polymer Gel Using Algal – Bacterial Consortium	Dr. Rishiram Ramanan	Masters Dissertation	Central University of Kerala
35	Aswathi Mohan A	EES051607	2016	Synthesis of Nanoparticles from Algae Biomass	Dr. Rishiram Ramanan	Masters Dissertation	Central University of Kerala
36	Prajitha C	EES051616	2016	Establishment of Axenic Culture of Algae by Using Antibiotic Cocktail	Dr. Rishiram Ramanan	Masters Dissertation	Central University of Kerala
37	Abitha Balachandran	EES051701	2017	Predicting Climate Change Impact on <i>Ficus beddomei</i> distribution: the endemic keystone species of Western Ghats, India	Dr. Muthukumar Muthuchamy	GIS Based	Central University of Kerala



CENTRAL UNIVERSITY OF KERALA

केरल केन्द्रीय विश्वविद्यालय

Department of Environmental Science

38	Athira Santhosh	EES051708	2017	Assessment of Ground Water Quality of Kurichithanam Village of Kottayam District, Kerala and Mapping spatial Interpolation of Parameters using GIS	Dr. Muthukumar Muthuchamy	GIS and Water Quality based	Central University of Kerala
39	Jithu George	EES051711	2017	Analysis of Spatio-temporal land surface temperature and Normalized Vegetation Index changes in Perinthalmanna Taluk Kerala, India	Dr. Muthukumar Muthuchamy	GIS Based	Central University of Kerala
40	Khadeejath Zubereya	EES051713	2017	Assessment of Vegetation Index in selected protected areas of Southern Western Ghats, Kerala, India	Dr. Muthukumar Muthuchamy	GIS Based	Central University of Kerala
41	Ayushi	EES051709	2017	Effect of copper oxychloride fungicide on physiological and chemical properties of <i>Solanum lycopersicum</i> L.	Dr. J. Sangeetha	M.Sc Dissertation	Central University of Kerala
42	MONICA	EES051714	2017	Isolation and identification of foodborne pathogens in frozen and fresh poultry meat and its susceptibility for plant extracts	Dr. J. Sangeetha	M.Sc Dissertation	Central University of Kerala
43	U Revathy	EES051718	2017	Isolation and morphological identification of culturable endophytic fungi from mangrove forests and assessment of antimicrobial property against foodborne pathogens	Dr. J. Sangeetha	M.Sc Dissertation	Central University of Kerala
44	Sangeeta Rani	EES051719	2017	Screening and isolation of halophiles from marine ecosystem for solubilization of zinc, phosphorus, and IAA production	Dr. J. Sangeetha	M.Sc Dissertation	Central University of Kerala



CENTRAL UNIVERSITY OF KERALA

केरल केन्द्रीय विश्वविद्यालय

Department of Environmental Science

45	NEHA KUMARI	EES051715	2017	EFFECT OF SALINITY STRESS IN THE DUCKWEED SPECIES, <i>Lemna aequinoctialis</i> and <i>Spirodela polyrhiza</i>	Dr. K. SOWJANYA SREE	Research	Central University of Kerala
46	RADHIKA. K. R	EES051716	2017	EFFECT OF NITRATE-LIMITING STRESS ON GROWTH RATE, MORPHOLOGY AND PROTEIN PROFILE OF <i>Wolffia microscopica</i>	Dr. K. SOWJANYA SREE	Research	Central University of Kerala
47	ANUSREE V	EES051704	2017	EFFECT OF JASMONIC ACID ON THE GROWTH AND PROTEIN PROFILE OF <i>Spirodela polyrhiza</i>	Dr. K. SOWJANYA SREE	Research	Central University of Kerala
48	THANSI HUSSAIN V. M	EES051722	2017	INSECT REARING, PROTEIN PROFILING AND RNA ISOLATION OF PRE-AND POST-MOULTING STAGE OF <i>Spodoptera litura</i> LARVAE	Dr. K. SOWJANYA SREE	Research	Central University of Kerala
49	SNEHA P	EES051721	2017	EFFECT OF PHOSPHATE-LIMITING STRESS ON GROWTH AND TURION FORMATION CAPACITY OF THE DUCKWEED SPECIES, <i>Wolffia globosa</i>	Dr. K. SOWJANYA SREE	Research	Central University of Kerala
50	Arya M S	EES051705	2017	Fibrin Degradation of Proteolytic Enzyme Produced by <i>Serratia marcescens</i>	Dr. S Anbazhagi	MSc Dissertation	Central University of Kerala
51	Aswathi A	EES051707	2017	Biodegradation of Gelatin Compounds by Proteolytic Enzymes Produced by <i>Pseudomonas aeruginosa</i>	Dr. S Anbazhagi	MSc Dissertation	Central University of Kerala
52	Jibina Govind	EES051710	2017	Determination of Iodine Content in Salt Samples Commercially Available in the Kannur District of Kerala	Dr. S Anbazhagi	MSc Dissertation	Central University of Kerala



CENTRAL UNIVERSITY OF KERALA

കേരള കേന്ദ്രീയ വിശ്വവിദ്യാലയം

Department of Environmental Science

53	Ashitha T	EES051706	2017	TiO ₂ /SiO ₂ Particles Embedding Hydrophobic Polystyrene Film for Low Surface Energy Photocatalysis Applications	Dr. S Anbazhagi	MSc Dissertation	Central University of Kerala
54	Smrithi P	EES051720	2017	Plastic Contamination in Beach Sediments, Andaman and Nicobar Archipelago, Andaman Sea, India	Dr. S Anbazhagi	MSc Dissertation	Central University of Kerala
55	Akhina Mohan V K	EES051702	2017	A Study on Occurrence of Microplastics in Epilimnetic Zones of the Wetlands in Coastal Urban Clusters of North Malabar	Dr. Rishiram Ramanan	Masters Dissertation	Central University of Kerala
56	Amaneesh C	EES051703	2017	Avian Diversity in the Wetlands of Kasaragod District	Dr. Rishiram Ramanan	Masters Dissertation	Central University of Kerala
57	Jophy J	EES051712	2017	Treatment of Dairy Wastewater Using Indigenous Algal-Bacterial Consortium	Dr. Rishiram Ramanan	Masters Dissertation	Central University of Kerala
58	Remya T. Radhan	EES051717	2017	Synthesis and Characterization of Microalgae-Polyethylene Biocomposite	Dr. Rishiram Ramanan	Masters Dissertation	Central University of Kerala
59	Divya Dinesan	EES051807	2018	Assessment of Climate Change Impacts on Forest Soil Health Indicators regarding elevation gradient in Chinnar Wildlife Sanctuary, Kerala	Dr. Muthukumar Muthuchamy	GIS Based	Central University of Kerala
60	Kavya M	EES051810	2018	Analysis of evolving sandbars between Pariyechi Rapids and Aluva rail bridge, Periyar River, Kerala	Dr. Muthukumar Muthuchamy	GIS Based	Central University of Kerala



CENTRAL UNIVERSITY OF KERALA

केरल केन्द्रीय विश्वविद्यालय

Department of Environmental Science

61	Suvya V	EES051828	2018	Phytosociological studies of tree species in two protected areas of Western Ghats, Kerala	Dr. Muthukumar Muthuchamy	Field Based	Central University of Kerala
62	Gopika K	EES051808	2018	Mapping of water Index, Built index of two protected areas of Western Ghats and trend analysis of Temperature and Rainfall	Dr. Muthukumar Muthuchamy	GIS Based	Central University of Kerala
63	Aiswarya K K	EES051802	2018	The altitudinal variation of soil physico- chemical properties of natural forest and teak plantation at Parambikulam Tiger Reserve, Western Ghats, Kerala, India	Dr. Muthukumar Muthuchamy	Field Based	Central University of Kerala
64	NISSY MARY MATHEW	EES051813	2018	A SURVEY OF PLASTIC POLLUTION ON THE COAST OF KANHANGAD, KERALA	Dr. K. SOWJANYA SREE	Research	Central University of Kerala
65	RESHMA.P	EES051816	2018	DIVERSITY OF INSECTS BELONGING TO SUBCLASS PTERYGOTA IN THE CENTRAL UNIVERSITY OF KERALA CAMPUS, PERIYE, KERALA	Dr. K. SOWJANYA SREE	Research	Central University of Kerala
66	SREEJITH B	EES051825	2018	SPECIES DIVERSITY ANALYSIS IN CHITTARI ISLAND KASARGOD, KERALA, INDIA	Dr. K. SOWJANYA SREE	Research	Central University of Kerala
67	SHEHANAZ U	EES051820	2018	A SURVEY AND ASSESSMENT OF FARM TOURISM IN KERALA	Dr. K. SOWJANYA SREE	Research	Central University of Kerala
68	HAMEEDA.M.T.P	EES051809	2018	A Study of growth of <i>Lemna aequinoctialis</i> on domestic wastewater	Dr. K. SOWJANYA SREE	Research	Central University of Kerala



CENTRAL UNIVERSITY OF KERALA

കേരള കേന്ദ്രീയ വിശ്വവിദ്യാലയം

Department of Environmental Science

69	VAMITHA T.V	EES051829	2018	A STUDY ON DIVERSITY OF ANTS IN THE CAMPUS OF CENTRAL UNIVERSITY OF KERALA	Dr. K. SOWJANYA SREE	Research	Central University of Kerala
70	Sneha Ramesh	EES051823	2018	Electro chemical oxidation of naproxen, a contaminant of emerging concern present in water	Dr. S Anbazhagi	MSc Dissertation	Central University of Kerala
71	Preethi R	EES051813	2018	Analysis of spatio-temporal changes in vegetation index, water index and land surface temperature at Parambikulam tiger reserve, Western Ghats, Kerala , India	Dr. S Anbazhagi	MSc Dissertation	Central University of Kerala
72	Ribina Rafeeq	EES051816	2018	Indoor air quality survey in the tribal villages of Niduvottupara, Kalliot and Thannithode, Periyar, Kasaragod	Dr. S Anbazhagi	MSc Dissertation	Central University of Kerala
73	Shijith B	EES051820	2018	Electricity generation from slaughterhouse wastewater using microbial fuel cell	Dr. S Anbazhagi	MSc Dissertation	Central University of Kerala
74	Sreenithya V P	EES051825	2018	Status of education, water sanitation and hygiene among the tribal communities of Niduvottupara, Kalliot and Thannithode, Periyar, Kasaragod	Dr. S Anbazhagi	MSc Dissertation	Central University of Kerala
75	Abhiraman S H	EES051801	2018	Landslide hazard zonation mapping of Kottiyoor gramapanchayat, Kannur, Kerala	Dr. S Anbazhagi	MSc Dissertation	Central University of Kerala
76	Aravind R	EES051803	2018	Effect of Lead (Pb) on the Growth and Biochemical Properties of the Unialgal Strain Collected from Noyyal River, Tamil Nadu	Dr. Rishiram Ramanan	Masters Dissertation	Central University of Kerala



CENTRAL UNIVERSITY OF KERALA

കേരള കേന്ദ്രീയ വിശ്വവിദ്യാലയം

Department of Environmental Science

77	Archana V	EES051804	2018	Identification of Culturable Microalgal Biodiversity of Sikkim and Leh, India	Dr. Rishiram Ramanan	Masters Dissertation	Central University of Kerala
78	Bibin Mathew	EES051806	2018	Effect of Ultraviolet Radiation on Microalgae	Dr. Rishiram Ramanan	Masters Dissertation	Central University of Kerala
79	Nimisha Krishnan K	EES051812	2018	Treatment of Dairy Wastewater Using Microalgae	Dr. Rishiram Ramanan	Masters Dissertation	Central University of Kerala
80	Savitha P	EES051818	2018	Estimation of Microalgal Biodiversity and Establishment of Unialgal Strains from Wetlands of Kasaragod	Dr. Rishiram Ramanan	Masters Dissertation	Central University of Kerala
81	Shankari A B	BBM051821	2018	Toxicity of Plastic Leachate on Microalgae Isolated from Pallikaranai Freshwater Marsh	Dr. Rishiram Ramanan, Dr. V. B. Sameer Kumar, Co-Guide	Masters Dissertation	Central University of Kerala
82	Sharanya Balakrishnan V	EES051819	2018	Biochemical Characterization of Three Unialgal Species from Different Habitats	Dr. Rishiram Ramanan	Masters Dissertation	Central University of Kerala
83	Sruthi T V	EES051827	2018	Synthesis and Partial Characterization of Zinc Impregnated Carbondots from Microalgae	Dr. Rishiram Ramanan	Masters Dissertation	Central University of Kerala
84	Nimisha N K	EES051918	2019	Energy and Water Auditing in teaching Block 1 and 11, Kabani, Nila and Pamba Hostels at Central University of Kerala, Kasaragod	Dr. Muthukumar Muthuchamy	Auditing	Central University of Kerala
85	Kripa K	EES051913	2019	Forest Fire Risk Zone Mapping using Geospatial Techniques and Fire Risk Index (FRI) Method: A study in Parambikulam Tiger Reserve and	Dr. Muthukumar Muthuchamy	Field Based	Central University of Kerala



CENTRAL UNIVERSITY OF KERALA

केरल केन्द्रीय विश्वविद्यालय

Department of Environmental Science

				Peechi-Vazhani Wildlife Sanctuary, Western Ghats, Kerala, India			
86	Aswin Krishna M V	EES051907	2019	A geospatial approach to interpolate and map the soil fertility of Two protected areas of Western Ghats, India	Dr. Muthukumar Muthuchamy	GIS Based	Central University of Kerala
87	Ghulam Nabi	EES051910	2019	Studies on Energy Consumption Pattern of Central University of Kerala by Energy Auditing	Dr. Muthukumar Muthuchamy	Auditing	Central University of Kerala
88	Arun P U	EES051906	2019	Land use/ Landcover classification and change detection using multispectral data and geographic information system (GIS) in Parambikulam Tiger Reserve and Peechi Vazhani Wildlife Sanctuary Western Ghats, Kerala,India	Dr. Muthukumar Muthuchamy	GIS Based	Central University of Kerala
89	Anjali Anilkumar	EES051903	2019	Geospatial approach for mapping the potential fire risk zone in two protected areas of Western Ghats, India	Dr. Muthukumar Muthuchamy	GIS Based	Central University of Kerala
90	Anusree K.V.	EES051905	2019	Comparative effect of synthetic fertilizer, organic manure and organic decoction on tomato and chili plants	Dr. J. Sangeetha	M.Sc Dissertation	Central University of Kerala
91	Nibin Sumedh	EES051915	2019	Protease enzyme activity in rhizosphere soil of <i>Anacardium occidentale</i>	Dr. J. Sangeetha	M.Sc Dissertation	Central University of Kerala
92	NIDHINKRISHNA K R	EES051916	2019	Unraveling the presence of micro-plastic contamination in <i>Perna viridis</i>	Dr. J. Sangeetha	M.Sc Dissertation	Central University of Kerala



CENTRAL UNIVERSITY OF KERALA

केरल केन्द्रीय विश्वविद्यालय

Department of Environmental Science

				and <i>Villorita cyprinoides</i> from Chandragiri River, South India.			
93	Paul Joshi	EES051920	2019	Isolation and identification of endophytic fungi from mangrove plants	Dr. J. Sangeetha	M.Sc Dissertation	Central University of Kerala
94	Salini Sasikumar	EES051924	2019	Analysis of heavy metals in the natural Vegetations of Pokkali paddy fields	Dr. J. Sangeetha	M.Sc Dissertation	Central University of Kerala
95	Shameema Sulthana N	EES051925	2019	Analysis of heavy metals in soil and water samples collected from some pokkali fields of Ernakulam district of Kerala	Dr. J. Sangeetha	M.Sc Dissertation	Central University of Kerala
96	SINI MOL V	EES051927	2019	DIVERSITY OF LICHENS IN CENTRAL UNIVERSITY OF KERALA CAMPUS, PERIYE, KERALA	Dr. K. SOWJANYA SREE	Research	Central University of Kerala
97	RISHAB KUMAR DEY	EES051923	2019	A STUDY ON THE BIODIVERSITY IN EASTERN RANGE OF KAZIRANGA NATIONAL PARK, ASSAM, INDIA	Dr. K. SOWJANYA SREE	Research	Central University of Kerala
98	SUDHAKAR YELETI	EES051930	2019	EFFECT OF AMMONIA ON GROWTH OF LEMNACEAE	Dr. K. SOWJANYA SREE	Research	Central University of Kerala
99	SHREYA	EES051926	2019	A COMPARATIVE STUDY OF AIR QUALITY OF DELHI, PATNA AND MADHUBANI DURING LOCKDOWN IN INDIA.	Dr. K. SOWJANYA SREE	Research	Central University of Kerala
100	ADITHYA DEV P	EES051901	2019	A STUDY OF THE ECOLOGICAL INTERACTIONS IN THE	Dr. K. SOWJANYA SREE	Research	Central University of Kerala



CENTRAL UNIVERSITY OF KERALA

केरल केन्द्रीय विश्वविद्यालय

Department of Environmental Science

				CENTRAL UNIVERSITY OF KERALA CAMPUS, KASARGOAD			
101	PERUMALAPALLI DEEPTHI	EES051921	2019	STUDY ON THE BIOLOGICAL INTERACTIONS IN AGRO- ECOSYSTEMS.	Dr. K. SOWJANYA SREE	Research	Central University of Kerala
102	Gopika Mohandas	EES051911	2019	Disaster management in India: A mini review of the past, present and future status	Dr. S Anbazhagi	MSc Dissertation	Central University of Kerala
103	Prajila E P	EES051922	2019	Human-peafowl conflict and mitigation measures in Mundur grama panchayath, Palakkad, kerala	Dr. S Anbazhagi	MSc Dissertation	Central University of Kerala
104	Fathimath Afira Jabeen	EES051909	2019	Land use land cover analysis of Chinnar and Chimmini wildlife sanctuaries of Western Ghats using remote sensing and GIS	Dr. S Anbazhagi	MSc Dissertation	Central University of Kerala
105	Anjana K	EES051904	2019	Morphometric assessment of watershed delineation in Chimmini and Chinnar wildlife sanctuaries, using GIS and remote sensing	Dr. S Anbazhagi	MSc Dissertation	Central University of Kerala
106	Nimitha M	EES051919	2019	Mapping land surface temperature and interpolating atmospheric temperature in the two protected areas of Western Ghats using remote sensing and GIS	Dr. S Anbazhagi	MSc Dissertation	Central University of Kerala
107	MURREY SUBHEEM KUMAR	EES 051914	2019	Water Audit of Central University of Kerala in the Context of Water Conservation	Dr. S Anbazhagi	MSc Dissertation	Central University of Kerala



CENTRAL UNIVERSITY OF KERALA

केरल केन्द्रीय विश्वविद्यालय

Department of Environmental Science

108	Bhavana Stephen	EES051908	2019	Natural Disasters and Disaster Management Plan for Cherupuzha Panchayat, Kannur, Kerala	Dr. Rishiram Ramanan	Masters Dissertation	Central University of Kerala
109	Jabin Farha A V	EES051912	2019	A Study on Possible SF ₆ Emission Reduction in a 220 Kv Substation of Kerala State Electricity Board Using Clean Development Mechanism Methodology	Dr. Rishiram Ramanan	Masters Dissertation	Central University of Kerala
110	Sneha Varsha K B	EES051928	2019	Urban Water Demand Modelling and Forecasting the Impact of Covid-19 on Water Demand in India	Dr. Rishiram Ramanan	Masters Dissertation	Central University of Kerala
111	Sreerag P	EES051929	2019	Assessment of Drinking Water Quality in Tribal Communities of Attappadi, Kerala	Dr. Rishiram Ramanan	Masters Dissertation	Central University of Kerala
112	Surya S B	EES051931	2019	Solid Waste Management Practices and Landfill Site Selection Using GIS in Pallichal Panchayat, Thiruvananthapuram	Dr. Rishiram Ramanan	Masters Dissertation	Central University of Kerala

**A STUDY OF THE ECOLOGICAL INTERACTIONS IN THE
CENTRAL UNIVERSITY OF KERALA CAMPUS,
KASARAGOD.**

*Submitted to the Central University of Kerala in partial fulfilment of the requirement for the
award of the degree of*

MASTER OF SCIENCE

Submitted by

ADITHYA DEV P

EES051901

Under the guidance of

Dr. K. SOWJANYA SREE
Assistant Professor



DEPARTMENT OF ENVIRONMENTAL SCIENCE
SCHOOL OF EARTH SCIENCE SYSTEMS
CENTRAL UNIVERSITY OF KERALA, KASARAGOD

MAY, 2021

CERTIFICATE

This is to certify that the dissertation entitled "A STUDY OF THE ECOLOGICAL INTERACTIONS IN THE CENTRAL UNIVERSITY OF KERALA CAMPUS, KASARAGOD" submitted by ADITHYA DEV P is a bonafide record of research work accomplished under my supervision, towards the partial fulfillment of the Masters of Science degree in Environmental Science of the Central University of Kerala, and no part thereof has been presented for the award of any other degree, diploma or similar titles of any university.

Date: 05-MAY-2021

Dr. K SOWJANYA SREE

Asst. Professor,

Department of Environmental Science

Central University of Kerala


अध्यक्ष, पर्यावरण विज्ञान विभाग
Head, Dept. of Environmental Science
केरल केंद्रीय विश्वविद्यालय
Central University of Kerala
तेजस्विनी हिल्स, पेरिया
Tejaswini Hills, Periyar
कासरगोड / Kasaragod-671316

**GEOSPATIAL APPROACH FOR MAPPING THE
POTENTIAL FIRE RISK ZONE IN TWO PROTECTED
AREAS OF WESTERN GHATS, INDIA**

*Submitted to the Central University of Kerala in partial fulfilment of the
requirement for the award of the degree of*

MASTER OF SCIENCE

Submitted by

ANJALI ANILKUMAR

Reg. No. EES051903

Under the guidance of

Prof. (Dr.) MUTHUKUMAR MUTHUCHAMY



DEPARTMENT OF ENVIRONMENTAL SCIENCE
SCHOOL OF EARTH SCIENCE SYSTEMS

CENTRAL UNIVERSITY OF KERALA
KASARAGOD


MAY 2021

CERTIFICATE

This is to certify that the dissertation entitled “**GEOSPATIAL APPROACH FOR MAPPING THE POTENTIAL FIRE RISK ZONE IN TWO PROTECTED AREAS OF WESTERN GHATS, INDIA**” submitted by ANJALI ANILKUMAR is a bonafide record of research work accomplished under my supervision, towards the partial fulfilment of the Master of Science degree in Environmental Science of Central University of Kerala, and no part thereof has been presented for the award of any other degree, diploma or similar titles of any university.

Place: Central University of Kerala

Date: 05/05/2021


Prof. (Dr.) Muthukumar Muthuchamy

Research Supervisor

प्रो. (डॉ.) मुत्तुकुमार मुत्तुच्चायी
Prof. (Dr.) Muthukumar Muthuchamy
आचार्य एवं अध्यक्ष / Professor and Head
पर्यावरण विज्ञान विभाग
Department of Environmental Science
पृथ्वी विज्ञान प्रणाली स्कूल / School of Earth Science Systems
केरल केन्द्रीय विश्वविद्यालय / Central University of Kerala
तेजस्विनी हिल्स, पेरिया / Thejaswini Hills, Periyar
कासरगोड / Kasaragod - 671316


शरमा, पर्यावरण विज्ञान विभाग
Head, Dept. of Environmental Science
केरल केन्द्रीय विश्वविद्यालय
Central University of Kerala
तेजस्विनी हिल्स, पेरिया
Tejaswini Hills, Periyar
कासरगोड / Kasaragod-671316

Morphometric assessment of Watershed delineation in Chimmini and
Chinnar Wildlife Sanctuaries of Western Ghats,
using Remote Sensing and GIS

*Submitted to the Central university of Kerala in partial fulfilment of the
requirement for the award of the degree of*

MASTER OF SCIENCE

Submitted by

ANJANA K

EES051904

Under the guidance of

Dr. S ANBAZHAGI

Assistant Professor



DEPARTMENT OF ENVIRONMENTAL SCIENCE
SCHOOL OF EARTH SCIENCE SYSTEMS
CENTRAL UNIVERSITY OF KERALA
KASARAGOD

MAY 2021

CERTIFICATE

This is to certify that the dissertation entitled “**Morphometric assessment of Watershed delineation in Chimmini and Chinnar Wildlife Sanctuaries of Western Ghats, using Remote Sensing and GIS**” submitted by ANJANA K is a bonafide record of research work accomplished under my supervision, towards the partial fulfilment of the Master of Science degree in Environmental Science of Central University of Kerala, and no part thereof has been presented for the award of any other degree, diploma or similar titles of any university.

Place: Central University of Kerala, Kasaragod

Date: 5/5/21



Dr. S Anbazhagi

Research Supervisor

डॉ. एस. अन्बझगी / Dr. S. ANBAZHAGI
सहायक आचार्य / Assistant Professor
पर्यावरण विज्ञान विभाग
Department of Environmental Science
पृथ्वी विज्ञान प्रणाली स्कूल
School of Earth Science Systems
केरल केन्द्रीय विश्वविद्यालय / Central University of Kerala
कासरगोड / Kasaragod



अध्यक्ष, पर्यावरण विज्ञान विभाग
Head, Dept. of Environmental Science
केरल केन्द्रीय विश्वविद्यालय
Central University of Kerala
तेजस्विनी हिल्स, परिये
Tejaswini Hills, Periyar
कासरगोड / Kasaragod-671316

**COMPARATIVE EFFECT OF SYNTHETIC FERTILIZER, ORGANIC
MANURE AND ORGANIC DECOCTION ON TOMATO AND CHILI
PLANTS**

*Submitted to Central University of Kerala in partial fulfilment of requirement
for the award of degree of*

MASTER OF SCIENCE

Submitted by

ANUSREE. K. V

Reg. No. EES051905

Under the Guidance of

Dr. JEYABALAN SANGEETHA

Assistant Professor



**DEPARTMENT OF ENVIRONMENTAL SCIENCE
SCHOOL OF EARTH SCIENCE SYSTEMS
CENTRAL UNIVERSITY OF KERALA, KASARAGOD**

May 2021



CERTIFICATE

This is to certify that the Dissertation entitled “COMPARATIVE EFFECT OF SYNTHETIC FERTILIZER, ORGANIC MANURE, AND ORGANIC DECOCTION ON TOMATO AND CHILLI PLANTS” is an authentic record of research work accomplished by ANUSREE. K. V at Central University of Kerala, Kasaragod under my supervision and that no part therefore has been presented earlier for the award of any other degree or diploma.

Dr. JEYABALAN SANGEETHA

Assistant Professor

Department of Environmental Science


अध्यक्ष, पर्यावरण विज्ञान विभाग
Head, Dept. of Environmental Science
केरल केन्द्रीय विश्वविद्यालय
Central University of Kerala
तेजस्विनी हॉल, पेरिये
Tejaswini Hall, Periyar
कासरगोड / Kasaragod-671316

**LAND USE/LAND COVER CLASSIFICATION AND CHANGE
DETECTION USING MULTISPECTRAL DATA AND
GEOGRAPHIC INFORMATION SYSTEM (GIS) IN
PARAMBIKULAM TIGER RESERVE AND PEECHI
VAZHANI WILDLIFE SANCTUARY, WESTERN GHATS,
KERALA, INDIA**

*Submitted to the Central University of Kerala in partial fulfilment of the
requirement for the award of the degree of*

MASTER OF SCIENCE

Submitted by

ARUN P U

Reg. No. EES051906

Under the Guidance of

Prof. (Dr.) MUTHUKUMAR MUTHUCHAMY



**DEPARTMENT OF ENVIRONMENTAL SCIENCE
SCHOOL OF EARTH SCIENCE SYSTEMS
CENTRAL UNIVERSITY OF KERALA, KASARAGOD**

MAY 2021

CERTIFICATE

This is to certify that the dissertation entitled "LAND USE/LAND COVER CLASSIFICATION AND CHANGE DETECTION USING MULTISPECTRAL DATA AND GEOGRAPHIC INFORMATION SYSTEM (GIS) IN PARAMBIKULAM TIGER RESERVE AND PEECHI VAZHANI WILDLIFE SANCTUARY, WESTERN GHATS, KERALA, INDIA" submitted by ARUN P U is a bonafide record of research work done by me under my supervision, towards the partial fulfilment of Master of Science degree in Environmental Science of the Central University of Kerala and no part has been presented for the award of any other degree, diploma or similar titles of any university.

Date:

Prof. (Dr.) Muthukumar Muthuchamy

Place


Research Supervisor
Prof. (Dr.) Muthukumar Muthuchamy
आचार्य एवं अध्यक्ष / Professor and Head
पर्यावरण विज्ञान विभाग
Department of Environmental Science
पृथ्वी विज्ञान प्रणाली स्कूल / School of Earth Science Systems
केरल केन्द्रीय विश्वविद्यालय / Central University of Kerala
तेजस्विनी हिल्स, पेरिया / Thejaswini Hills, Periy
कासरगोड / Kasaragod - 671316



अध्यक्ष, पर्यावरण विज्ञान विभाग
Head, Dept. of Environmental Science
केरल केन्द्रीय विश्वविद्यालय
Central University of Kerala
तेजस्विनी हिल्स, पेरिया
Tejaswini Hills, Periy
कासरगोड / Kasaragod-671316

**A GEOSPATIAL APPROACH TO INTERPOLATE
AND MAP THE SOIL FERTILITY OF TWO
PROTECTED AREAS OF WESTERN GHATS, INDIA**

*Submitted to the central university of Kerala in partial fulfilment of the
requirement for the award of the degree of*

MASTER OF SCIENCE

Submitted by

ASWIN KRISHNA M V

Reg. No. EES051907

Under the guidance of

Prof. (Dr.) MUTHUKUMAR MUTHUCHAMY

Professor



DEPARTMENT OF ENVIRONMENTAL SCIENCE

SCHOOL OF EARTH SCIENCE SYSTEMS

CENTRAL UNIVERSITY OF KERALA

KASARAGOD

MAY 2021

CERTIFICATE

This is to certify that the dissertation entitled "A GEOSPATIAL APPROACH TO INTERPOLATE AND MAP THE SOIL FERTILITY OF TWO PROTECTED AREAS OF WESTERN GHATS, INDIA" submitted by ASWIN KRISHNA M V is a bonafide record of research work accomplished under my supervision, towards the partial fulfilment of the Master of Science degree in Environmental Science of Central University of Kerala, and no part thereof has been presented for the award of any other degree, diploma or similar titles of any university.

Place:

Prof. (Dr.) Muthukumar Muthuchamy

Date:


प्रो. (डॉ.) मुत्तुकुमार मुत्तुच्वामी
Prof. (Dr.) Muthukumar Muthuchamy
आचार्य / Professor and Head
पर्यावरण विज्ञान विभाग
Department of Environmental Science
पृथ्वी विज्ञान प्रणाली स्कूल / School of Earth Science Systems
केरल केन्द्रीय विश्वविद्यालय / Central University of Kerala
तेजस्विनी हिल्स, पेरिया / Thejaswini Hills, Periy
कासरगोड / Kasaragod - 671316


अध्यक्ष, पर्यावरण विज्ञान विभाग
Head, Dept. of Environmental Science
केरल केन्द्रीय विश्वविद्यालय
Central University of Kerala
तेजस्विनी हिल्स, पेरिया
Tejaswini Hills, Periy
कासरगोड / Kasaragod-671316

**NATURAL DISASTERS AND DISASTER MANAGEMENT PLAN FOR
CHERUPUZHA PANCHAYAT, KANNUR, KERALA**

*Submitted to Central University of Kerala in partial fulfilment of requirement
for the award of degree of*

MASTER OF SCIENCE

Submitted by

BHAVANA STEPHEN

Reg. No. EES051908

Under the Guidance of

Dr. RISHIRAM RAMANAN

Assistant Professor



DEPARTMENT OF ENVIRONMENTAL SCIENCE

SCHOOL OF EARTH SCIENCE SYSTEMS

CENTRAL UNIVERSITY OF KERALA, KASARAGOD

MAY 2021



CERTIFICATE

This is to certify that the Dissertation entitled “**NATURAL DISASTERS AND DISASTER MANAGEMENT PLAN FOR CHERUPUZHA PANCHAYAT, KANNUR, KERALA**” is an authentic record of research work accomplished by **BHAVANA STEPHEN** at Central University of Kerala, Kasaragod under my supervision and that no part therefore has been presented earlier for the award of any other degree or diploma.

Dr. RISHIRAM RAMANAN

Assistant Professor

Department of Environmental Science


अध्यक्ष, पर्यावरण विज्ञान विभाग
Head, Dept. of Environmental Science
केरल केन्द्रीय विश्वविद्यालय
Central University of Kerala
तेजस्विनी हिल्स, पेरिया
Tejaswini Hills, Periyar
कासरगोड / Kasaragod-671316

LAND USE LAND COVER ANALYSIS OF CHINNAR AND CHIMMINI WILDLIFE SANCTUARY OF
WESTERN GHATS USING REMOTE SENSING AND GIS

*Submitted to the Central university of Kerala in partial fulfilment of the requirement for
the award of the degree of*

MASTER OF SCIENCE

Submitted by

FATHIMATH AFIRA JABEEN

EES051909

Under the guidance of

Dr. S. Anbazhagi

Assistant Professor



DEPARTMENT OF ENVIRONMENTAL SCIENCE

SCHOOL OF EARTH SCIENCE SYSTEMS

CENTRAL UNIVERSITY OF KERALA

KASARAGOD

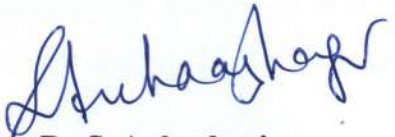
MAY 2021

CERTIFICATE

This is to certify that the dissertation entitled “**Land use and Land cover analysis of Chinnar and Chimmini Wildlife Sanctuary of Western Ghats using Remote Sensing and GIS**” submitted by **FATHIMATH AFIRA JABEEN** is a bonafide record of research work accomplished under my supervision, towards the partial fulfilment of the master of science degree in environmental science of Central University of Kerala, and no part thereof has been presented for the award of any other degree, diploma or similar titles of any university.

Place: *Kasaragod*

Date: *5/5/21*


Dr.S. Anbazhagi

Research Supervisor
डॉ. एस. अन्वझगी / Dr. S. ANBAZHAGI
सहायक आचार्य / Assistant Professor
पर्यावरण विज्ञान विभाग
Department of Environmental Science
पृथ्वी विज्ञान प्रणाली स्कूल
School of Earth Science Systems
केरल केन्द्रीय विश्वविद्यालय / Central University of Kerala
कासरगोड / Kasaragod



अध्यक्ष, पर्यावरण विज्ञान विभाग
Head, Dept. of Environmental Science
केरल केन्द्रीय विश्वविद्यालय
Central University of Kerala
तेजस्विनी हिल्स, परिये
Tejaswini Hills, Periyar
कासरगोड / Kasaragod-671316

**STUDIES ON ENERGY CONSUMPTION PATTERN
OF CENTRAL UNIVERSITY OF KERALA BY
ENERGY AUDITING**

Submitted to the Central University of Kerala for the award of the degree of

MASTER OF SCIENCE

Submitted by

GHULAM NABI

Reg. No. EES051910

Under the guidance of

PROF. (Dr.) MUTHUKUMAR MUTHUCHAMY



**DEPARTMENT OF ENVIRONMENTAL SCIENCE
SCHOOL OF EARTH SCIENCE SYSTEMS
CENTRAL UNIVERSITY OF KERALA
KASARAGOD, KERALA**

May 2021

CERTIFICATE

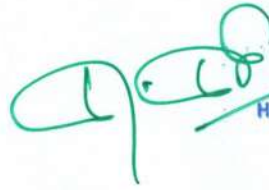
This is to certify that the dissertation entitled “**STUDIES ON ENERGY CONSUMPTION PATTERN OF CENTRAL UNIVERSITY OF KERALA BY ENERGY AUDITING**” submitted by **GHULAM NABI** is a bonafide record of research work accomplished under my supervision, towards the partial fulfilment of the Master of Science degree in Environmental Science of Central University of Kerala, and no part thereof has been presented for the award of any other degree, diploma or similar titles of any university.

Place:

Prof. (Dr.) Muthukumar Muthuchamy

Date:

प्रो. (डॉ.) मुत्तुकुमार मुत्तुचामी
Prof. (Dr.) Muthukumar Muthuchamy
आचार्य एवं अध्यक्ष / Professor and Head
पर्यावरण विज्ञान विभाग
Department of Environmental Science
पृथ्वी विज्ञान प्रणाली स्कूल / School of Earth-Science Systems
केरल केंद्रीय विश्वविद्यालय / Central University of Kerala
तेजस्विनी हिल्स, परिया / Tejaswini Hills, Periy
कासरगोड / Kasaragod - 671316



अध्यक्ष, पर्यावरण विज्ञान विभाग
Head, Dept. of Environmental Science
केरल केंद्रीय विश्वविद्यालय
Central University of Kerala
तेजस्विनी हिल्स, परिया
Tejaswini Hills, Periy
कासरगोड / Kasaragod-671316

**DISASTER MANAGEMENT IN INDIA:
A MINI REVIEW OF THE PAST, PRESENT AND
FUTURE STATUS**

*Submitted to the Central University of Kerala in partial fulfilment of the requirement for the
award of the degree of*

MASTER OF SCIENCE

Submitted by

GOPIKA MOHANDAS

Reg. No. EES051911

Under the guidance of

Dr. S. ANBAZHAGI

Assistant Professor



DEPARTMENT OF ENVIRONMENTAL SCIENCE
SCHOOL OF EARTH SCIENCE SYSTEMS
CENTRAL UNIVERSITY OF KERALA, KASARAGOD

MAY, 2021

CERTIFICATE

This is to certify that the dissertation entitled "**DISASTER MANAGEMENT OF INDIA: A MINI REVIEW OF THE PAST, PRESENT, AND FUTURE STATUS**" submitted by **GOPIKA MOHANDAS** is a bonafide record of research work accomplished under my supervision, towards the partial fulfilment of the Masters of Science degree in Environmental Science of the Central University of Kerala, and no part thereof has been presented for the award of any other degree, diploma or similar titles of any university.

Date:

7/5/21


Signature of the Research Supervisor

डॉ. एस. अन्वझगी / Dr. S. ANBAZHAGI
सहायक आचार्य / Assistant Professor
पर्यावरण विज्ञान विभाग
Department of Environmental Science
पृथ्वी विज्ञान प्रणाली स्कूल
School of Earth Science Systems
केरल केन्द्रीय विश्वविद्यालय / Central University of Kerala
कासरगोड / Kasaragod


अध्यक्ष, पर्यावरण विज्ञान विभाग
Head, Dept. of Environmental Science
केरल केन्द्रीय विश्वविद्यालय
Central University of Kerala
तेजस्विनी हिल्स, पेरिया
Tejaswini Hills, Periyar
कासरगोड / Kasaragod-671316

**A STUDY ON POSSIBLE SF₆ EMISSION REDUCTION IN A
220 kV SUBSTATION OF KERALA STATE ELECTRICITY
BOARD USING CLEAN DEVELOPMENT MECHANISM
METHODOLOGY**

*Submitted to the Central University of Kerala in partial fulfilment of the requirement for the
award of the degree of*

MASTER OF SCIENCE

Submitted by

JABIN FARHA A. V.

Reg. No. EES051912

Under the Guidance of

Dr. RISHIRAM RAMANAN

Assistant Professor



**DEPARTMENT OF ENVIRONMENTAL SCIENCE
SCHOOL OF EARTH SCIENCE SYSTEMS
CENTRAL UNIVERSITY OF KERALA, KASARAGOD**

MAY 2021

**CENTRAL UNIVERSITY OF KERALA
DEPARTMENT OF ENVIRONMENTAL SCIENCE
SCHOOL OF EARTH SCIENCE SYSTEMS**



CERTIFICATE

This is to certify that the Dissertation entitled **“A STUDY ON POSSIBLE SF₆ EMISSION REDUCTION IN A 220 kV SUBSTATION OF KERALA STATE ELECTRICITY BOARD USING CLEAN DEVELOPMENT MECHANISM METHODOLOGY”** is an authentic record of the research work accomplished by **JABIN FARHA A. V.**, at Central University of Kerala, Kasaragod under my supervision and that no part thereof has been presented earlier for the award of any other degree or diploma.

Dr. RISHIRAM RAMANAN

Assistant Professor

Dept. of Environmental Science

अध्यक्ष, पर्यावरण विज्ञान विभाग
Head, Dept. of Environmental Science
केरल केन्द्रीय विश्वविद्यालय
Central University of Kerala
तेजस्विनी हिल्स, पेरिया
Tejaswini Hills, Periyar
कासरगोड / Kasaragod 71316

**FOREST FIRE RISK ZONE MAPPING USING GEOSPATIAL
TECHNIQUES AND FIRE RISK INDEX (FRI) METHOD: A
STUDY IN PARAMBIKULAM TIGER RESERVE AND
PEECHI-VAZHANI WILDLIFE SANCTUARY, WESTERN
GHATS, KERALA, INDIA**

*Submitted to the Central University of Kerala in partial fulfilment of the
requirement for the award of the degree of*

MASTER OF SCIENCE

Submitted by

KRIPA K

Reg. No. EES051913

Under the guidance of

Prof. (Dr.) MUTHUKUMAR MUTHUCHAMY



**DEPARTMENT OF ENVIRONMENTAL SCIENCE
SCHOOL OF EARTH SCIENCE SYSTEMS
CENTRAL UNIVERSITY OF KERALA
KASARAGOD**

MAY 2021

CERTIFICATE

This is to certify that the dissertation entitled **“FOREST FIRE RISK ZONE MAPPING USING GEOSPATIAL TECHNIQUES AND FIRE RISK INDEX (FRI) METHOD: A STUDY IN PARAMBIKULAM TIGER RESERVE AND PEECHI-VAZHANI WILDLIFE SANCTUARY, WESTERN GHATS, KERALA, INDIA”** submitted by Ms. **KRIPA K** is a bonafide record of research work accomplished under my supervision, towards the partial fulfilment of the Master of Science degree in Environmental Science of Central University of Kerala, and no part thereof has been presented for the award of any other degree, diploma or similar titles of any university.

Place:

Date:

Prof. (Dr.) Muthukumar Muthuchamy

Research Supervisor

प्रॉ. (डॉ.) मुत्तुकुमार मुत्तुच्चांमी
Prof. (Dr.) Muthukumar Muthuchamy
आचार्य एवं अध्यक्ष / Professor and Head
पर्यावरण विज्ञान विभाग
Department of Environmental Science
पृथ्वी विज्ञान प्रणाली स्कूल / School of Earth Science Systems
केरल केंद्रीय विश्वविद्यालय / Central University of Kerala
तेजस्विनी हिल्स, पेरिया / Thejaswini Hills, Periy
कासरगोड / Kasaragod - 671316

अध्यक्ष, पर्यावरण विज्ञान विभाग
Head, Dept. of Environmental Science
केरल केंद्रीय विश्वविद्यालय
Central University of Kerala
तेजस्विनी हिल्स, पेरिया
Tejaswini Hills, Periy
कासरगोड / Kasaragod-671316

**WATER AUDIT OF CENTRAL UNIVERSITY OF
KERALA IN THE CONTEXT OF WATER
CONSERVATION**

*Submitted to the Central University of Kerala in partial fulfilment of the
requirement for the award of the degree of*

MASTER OF SCIENCE

Submitted by

MURREY SUBHEEM KUMAR

Reg. No. EES 051914

Under the guidance of

Dr S ANBAZHAGI

Assistant Professor



**DEPARTMENT OF ENVIRONMENTAL SCIENCE
SCHOOL OF EARTH SCIENCE SYSTEMS**

CENTRAL UNIVERSITY OF KERALA

KASARAGOD

MAY 2021

CERTIFICATE

This is to certify that the dissertation entitled "***WATER AUDIT OF CENTRAL UNIVERSITY OF KERALA IN THE CONTEXT OF WATER CONSERVATION***" submitted by MURREY SUBHEEM KUMAR is a bonafide record of research work accomplished under my supervision, towards the partial fulfilment of the Master of Science degree in Environmental Science of Central University of Kerala, and no part thereof has been presented for the award of any other degree, diploma or similar titles of any university.

Place: Central University of Kerala

Date: 5/5/21



Dr. S. Anbazhagi

डा. एस. अन्वझगी / Dr. S. ANBAZHAGI
सहायक आचार्य / Assistant Professor
पर्यावरण विज्ञान विभाग
Department of Environmental Science
पृथ्वी विज्ञान प्रणाली स्कूल
School of Earth Science Systems
केरल केन्द्रीय विश्वविद्यालय / Central University of Kerala
कासरगोड / Kasaragod



अध्यक्ष, पर्यावरण विज्ञान विभाग
Head, Dept. of Environmental Science
केरल केन्द्रीय विश्वविद्यालय
Central University of Kerala
तेजस्विनी हिल्स, पेरिये
Tejaswini Hills, Periyar
कासरगोड / Kasaragod-671316

**PROTEASE ENZYME ACTIVITY IN RHIZOSPHERE
SOIL OF *Anacardium occidentale***

*Submitted to the Central University of Kerala in partial fulfillment of the
requirement for the award of the degree of*

MASTER OF SCIENCE

Submitted by

NIBIN SUMEDH

Reg.No.EES051915

2019-2021

Under the guidance of

Dr. JEYABALAN SANGEETHA

Assistant Professor



**DEPARTMENT OF ENVIRONMENTAL SCIENCE
SCHOOL OF EARTH SCIENCE SYSTEMS
CENTRAL UNIVERSITY OF KERALA, KASARAGOD**

MAY 2021

**DEPARTMENT OF ENVIRONMENTAL SCIENCE
SCHOOL OF EARTH SCIENCE SYSTEMS
CENTRAL UNIVERSITY OF KERALA
KASARAGOD**



CERTIFICATE

This is to certify that the dissertation entitled “**PROTEASE ENZYME ACTIVITY IN RHIZOSPHERE SOIL OF *Anacardium occidentale***” is an authentic record of the research work accomplished by **NIBIN SUMEDH**, at Central University of Kerala, Kasaragod under my supervision and that no part thereof has been presented earlier for the award of any other degree or diploma or similar titles of any university.

Dr. JEYABALAN SANGEETHA

Assistant Professor

Department of Environmental Science


अध्यक्ष, पर्यावरण विज्ञान विभाग
Head, Dept. of Environmental Science
केरल केन्द्रीय विश्वविद्यालय
Central University of Kerala
तेजस्विनी हिल्स, परिये
Tejaswini Hills, Pariye
कासरगोड / Kasaragod-671316

**UNRAVELING THE PRESENCE OF MICRO
PLASTIC CONTAMINATION IN *Perna viridis* AND
Villorita cyprinoides FROM CHANDRAGIRI RIVER,
SOUTH INDIA**

*Submitted to the Central University of Kerala in partial fulfilment of the
requirement for the award of the degree of*

MASTER OF SCIENCE

Submitted by

NIDHINKRISHNA K R

Reg. No. EES051916

Under the guidance of

Dr. JEYABALAN SANGEETHA

Assistant Professor



**DEPARTMENT OF ENVIRONMENTAL SCIENCE
SCHOOL OF EARTH SCIENCE SYSTEMS**

CENTRAL UNIVERSITY OF KERALA

KASARAGOD

MAY 2021



**DEPARTMENT OF ENVIRONMENTAL SCIENCE
SCHOOL OF EARTH SCIENCE SYSTEMS**

**CENTRAL UNIVERSITY OF KERALA
KASARAGOD**

CERTIFICATE

This is to certify that the dissertation entitled **“UNRAVELING THE PRESENCE OF MICRO PLASTIC CONTAMINATION IN *Perna viridis* AND *Villorita cyprinoides* COLLECTED FROM CHANDRAGIRI RIVER, SOUTH INDIA”** submitted by **NIDHINKRISHNA K R** is a bonafide record of research work accomplished under my supervision, towards the partial fulfilment of the Master of Science degree in Environmental Science of Central University of Kerala, and no part thereof has been presented for the award of any other degree, diploma or similar titles of any university.

Dr. JEYABALAN SANGEETHA

Assistant Professor

Department of Environmental Science.


अध्यक्ष, पर्यावरण विज्ञान विभाग
Head, Dept. of Environmental Science
केरल केंद्रीय विश्वविद्यालय
Central University of Kerala
तेजस्विनी हिल्स, तिरिया
Tejaswini Hills, Periyar
कासरगोड / Kasaragod-671316

**ENERGY AND WATER AUDITING IN TEACHING
BLOCK I & II, KABANI, NILA, AND PAMBA
HOSTELS AT CENTRAL UNIVERSITY OF KERALA,
KASARAGOD**

*Submitted to the central university of Kerala in partial fulfilment of the requirement for the award of
the degree of*

MASTER OF SCIENCE

Submitted by

NIMISHA NK

Register Number: EES051918

Under the guidance of

Prof. (Dr.) MUTHUKUMAR MUTHUCHAMY



**DEPARTMENT OF ENVIRONMENTAL SCIENCE
SCHOOL OF EARTH SCIENCE SYSTEMS
CENTRAL UNIVERSITY OF KERALA
KASARAGOD**

MAY 2021

CERTIFICATE

This is to certify that the dissertation entitled “**ENERGY AND WATER AUDITING IN TEACHING BLOCK I& II, KABANI, NILA AND PAMBA HOSTELS AT CENTRAL UNIVERSITY OF KERALA, KASARAGOD**” submitted by NIMISHA NK is a bonafide record of research work accomplished under my supervision, towards the partial fulfilment of the Master of Science degree in Environmental Science of Central University of Kerala, and no part thereof has been presented for the award of any other degree, diploma or similar titles of any university.

Prof. (Dr.) Muthukumar Muthuchamy

Research supervisor

प्रो (डॉ) मुत्तुकुमार मुत्तुच्चायमी
Prof. (Dr.) Muthukumar Muthuchamy
आचार्य एवं अध्यक्ष / Professor and Head
पर्यावरण विज्ञान विभाग
Department of Environmental Science
पृथ्वी विज्ञान प्रणाली स्कूल / School of Earth Science Systems
केरल केंद्रीय विश्वविद्यालय / Central University of Kerala
तेजस्विनी हिल्स, पेरिया / Thejaswini Hills, Periy
कासरगोड / Kasaragod - 671316

Date:

Place: Periy

अध्यक्ष, पर्यावरण विज्ञान विभाग
Head, Dept. of Environmental Science
केरल केंद्रीय विश्वविद्यालय
Central University of Kerala
तेजस्विनी हिल्स, पेरिया
Tejaswini Hills, Periy
कासरगोड / Kasaragod-671316

**MAPPING LAND SURFACE TEMPERATURE AND INTERPOLATING
ATMOSPHERIC TEMPERATURE IN THE TWO PROTECTED AREAS OF
WESTERN GHATS USING REMOTE SENSING AND GIS**

*Submitted to the Central university of Kerala in partial fulfilment of the requirement
for the award of the degree of*

MASTER OF SCIENCE

Submitted by

NIMITHA M

Reg. No. EESO51919

Under the guidance of

Dr. S Anbazhagi

Assistant Professor



DEPARTMENT OF ENVIRONMENTAL SCIENCE
SCHOOL OF EARTH SCIENCE SYSTEMS

CENTRAL UNIVERSITY OF KERALA

KASARAGOD

MAY2021

CERTIFICATE

This is to certify that the dissertation entitled "MAPPING LAND SURFACE TEMPERATURE AND INTERPOLATING ATMOSPHERIC TEMPERATURE IN THE TWO PROTECTED AREAS OF WESTERN GHATS USING REMOTE SENSING AND GIS" submitted by NIMITHA M is a bonafide record of research work accomplished under my supervision, towards the partial fulfilment of the Master of Science degree in Environmental Science of Central University of Kerala, and no part thereof has been presented for the award of any other degree, diploma or similar titles of any university.

Place: Central university of Kerala, Kasaragod

Date: 08/05/2021



Dr. S Anbazhagi

Assistant Professor

डा. एस. अन्बाझगी / Assistant Professor
सहायक आचार्य / Assistant Professor
पर्यावरण विज्ञान विभाग
Department of Environmental Science
पृथ्वी विज्ञान प्रणाली स्कूल
School of Earth Science Systems
केरल केन्द्रीय विश्वविद्यालय / Central University of Kerala
कासरगोड / Kasaragod



अध्यक्ष, पर्यावरण विज्ञान विभाग
Head, Dept. of Environmental Science
केरल केन्द्रीय विश्वविद्यालय
Central University of Kerala
तेजस्विनी हॉल, परिये
Tejaswini Hall, Periyar
कासरगोड / Kasaragod-671316

**ISOLATION AND IDENTIFICATION OF ENDOPHYTIC FUNGI
FROM MANGROVE PLANTS**

*Submitted to Central University of Kerala in partial fulfilment of requirement
for the award of degree of*

MASTER OF SCIENCE

Submitted by

PAUL JOSHI

Reg. No. EES051920

Under the Guidance of

Dr. JEYABALAN SANGEETHA

Assistant Professor



**DEPARTMENT OF ENVIRONMENTAL SCIENCE
SCHOOL OF EARTH SCIENCE SYSTEMS
CENTRAL UNIVERSITY OF KERALA
KASARAGOD, KERALA**

MAY 2021

DEPARTMENT OF ENVIRONMENTAL SCIENCE

CENTRAL UNIVERSITY OF KERALA

KASARGOD



CERTIFICATE

This is to certify that the Dissertation entitled “**ISOLATION AND IDENTIFICATION OF ENDOPHYTIC FUNGI FROM MANGROVE PLANTS**” is an authentic record of research work accomplished by PAUL JOSHI at Central University of Kerala, Kasaragod under my supervision and that no part therefore has been presented earlier for the award of any other degree or diploma.

Dr. JEYABALAN SANGEETHA

Assistant Professor

Department of Environmental Science

अध्यक्ष, पर्यावरण विज्ञान विभाग
Head, Dept. of Environmental Science
केरल केंद्रीय विश्वविद्यालय
Central University of Kerala
तेजस्विनी हिल्स, पेरिया
Tejaswini Hills, Periyar
कासरगोड / Kasaragod-671316

**STUDY ON THE BIOLOGICAL INTERACTIONS IN AGRO-
ECOSYSTEMS.**

*Submitted to the Central University of Kerala in partial fulfilment of the
requirement for the award of the degree of*

MASTER OF SCIENCE

Submitted by

PERUMALAPALLI DEEPTHI

Reg.No. EES051921

Under the Guidance of

Dr. K. SOWJANYA SREE

Assistant Professor



**DEPARTMENT OF ENVIRONMENTAL SCIENCE
SCHOOL OF EARTH SCIENCE SYSTEMS
CENTRAL UNIVERSITY OF KERALA, KASARAGOD**

MAY 2021

CERTIFICATE

This is to certify that the dissertation entitled “**STUDY ON THE BIOLOGICAL INTERACTIONS IN AGRO-ECOSYSTEMS**” submitted by **PERUMALAPALLI DEEPTHI** is a bonafide record of research work accomplished under my supervision, towards the partial fulfilment of the Masters of Science degree in Environmental Science of the Central University of Kerala, and no part thereof has been presented for the award of any other degree, diploma or similar titles of any university.

Date: 5 th May 2021

Dr. K. SOWJANYASREE

Assistant Professor

Dept. of Environmental Science

Central University of Kerala


अध्यक्ष, पर्यावरण विज्ञान विभाग
Head, Dept. of Environmental Science
केरल केंद्रीय विश्वविद्यालय
Central University of Kerala
तेजस्विनी हिल्स, पेरिया
Tejaswini Hills, Periyar
कासरगोड / Kasaragod-671316

**HUMAN-PEAFOWL CONFLICT AND MITIGATION
MEASURES IN MUNDUR GRAMA PANCHAYAT,
PALAKKAD, KERALA**

*Submitted to the Central University of Kerala in partial fulfilment of the requirement for the
award of the degree of*

MASTER OF SCIENCE

Submitted by

PRAJILA E P

EES051922

Under the guidance of

Dr. S. Anbazhagi

Assistant Professor

Department of Environmental Science

Central University of Kerala



DEPARTMENT OF ENVIRONMENTAL SCIENCE

SCHOOL OF EARTH SCIENCE SYSTEMS

CENTRAL UNIVERSITY OF KERALA, KASARAGOD

MAY, 2021

CERTIFICATE

This is to certify that the dissertation entitled “HUMAN-PEAFOWL CONFLICT AND MITIGATION MEASURES IN MUNDUR GRAMA PANCHAYAT, PALAKKAD, KERALA” submitted by PRAJILA E P is a bonafide record of research work accomplished under my supervision, towards the partial fulfilment of the Masters of Science degree in Environmental Science of the Central University of Kerala, and no part therefore has been presented for the award of any other degree, diploma or similar titles of any university.

Date: 5/5/21

Signature of the Research Supervisor

डॉ. एस. अन्बझगी / Dr. S. ANBAZHAGI
सहायक आचार्य / Assistant Professor
पर्यावरण विज्ञान विभाग
Department of Environmental Science
पृथ्वी विज्ञान प्रणाली स्कूल
School of Earth Science Systems
केरल केन्द्रीय विश्वविद्यालय / Central University of Kerala
कासरगोड / Kasaragod



अध्यक्ष, पर्यावरण विज्ञान विभाग
Head, Dept. of Environmental Science
केरल केन्द्रीय विश्वविद्यालय
Central University of Kerala
तेजस्विनी हिल्स, पेरिया
Tejaswini Hills, Periy
कासरगोड / Kasaragod-671316

**A STUDY ON THE BIODIVERSITY IN EASTERN RANGE OF
KAZIRANGA NATIONAL PARK, ASSAM, INDIA**

*Submitted to Central University of Kerala in partial fulfilment of
requirement for the award of degree of*

MASTER OF SCIENCE

Submitted by

RISHAB KUMAR DEY

Reg. No. EES051923

Under the Guidance of

Dr .K. SOWJANYA SREE

Assistant Professor



**DEPRATMENT OF ENVIRONMENTAL SCIENCE
SCHOOL OF EARTH SCIENCE SYSTEMS
CENTRAL UNIVERSITY OF KERALA,
KASARGOD**

MAY 2021



CERTIFICATE

This is to certify that Dissertation entitle ,”A STUDY ON THE BIODIVERSITY IN EASTERN RANGE OF KAZIRANGA NATIONAL PARK, ASSAM, INDIA”, Is an authentic record of research work accomplished by **RISHAB KUMAR DEY**, at Central University of Kerala, Kasargod under my supervision and that no part therefore has been presented earlier for the award to any other degree or diploma.

Dr. K. SOWJANYA SREE

Assistant Professor

Department of Environmental Science


अध्यक्ष, पर्यावरण विज्ञान विभाग
Head, Dept. of Environmental Science
केरल केन्द्रीय विश्वविद्यालय
Central University of Kerala
तेजस्विनी हिल्स, पेरिया
Tejaswini Hills, Periyar
कासरगोड / Kasaragod-671316

**ANALYSIS OF HEAVY METALS IN THE NATURAL
VEGETATION OF POKKALI PADDY FIELDS**

*Submitted to the Central university of Kerala in partial fulfilment of the
requirement for the award of the degree of*

MASTER OF SCIENCE

Submitted by

SALINI SASIKUMAR

Reg. No. EES051924

Under the guidance of

Dr. JEYABALAN SANGEETHA

Assistant Professor



DEPARTMENT OF ENVIRONMENTAL SCIENCE
SCHOOL OF EARTH SCIENCE SYSTEMS

CENTRAL UNIVERSITY OF KERALA

KASARAGOD

MAY 2021

CENTRAL UNIVERSITY OF KERALA
DEPARTMENT OF ENVIRONMENTAL SCIENCE
SCHOOL OF EARTH SCIENCE SYSTEMS



CERTIFICATE

This is to certify that the dissertation entitled “**ANALYSIS OF HEAVY METALS IN THE VEGETATION OF POKKALI PADDY FIELDS**” submitted by **SALINI SASIKUMAR** is a bonafide record of research work accomplished under my supervision, towards the partial fulfilment of the Master of Science degree in Environmental Science of Central University of Kerala, and no part thereof has been presented for the award of any other degree, diploma or similar titles of any university.

Place: Kasaragod

Date: 05-05-21

Dr .JEYABALAN SANGEETHA

Research Supervisor

अध्यक्ष, पर्यावरण विज्ञान विभाग
Head, Dept. of Environmental Science
केरल केंद्रीय विश्वविद्यालय
Central University of Kerala
तेजस्विनी हिल्स, पेरिया
Tejaswini Hills, Periyar
कासरगोड / Kasaragod-671316

**ANALYSIS OF HEAVY METAL CONTENT IN SOIL AND
WATER OF SOME POKKALI RICE FIELDS IN ERNAKULAM
DISTRICT OF KERALA**

*Submitted to the Central University of Kerala in partial fulfilment of the requirement for the
award of the degree of*

MASTER OF SCIENCE

Submitted by

SHAMEEMA SULTHANA N

Register No. EES051925

2019-2021

Under the guidance of

Dr. JEYABALAN SANGEETHA

Assistant professor



DEPARTMENT OF ENVIRONMENTAL SCIENCE

SCHOOL OF EARTH SCIENCE SYSTEMS

CENTRAL UNIVERSITY OF KERALA

KASARAGOD, KERALA

MAY, 2021

DEPARTMENT OF ENVIRONMENTAL SCIENCE

CENTRAL UNIVERSITY OF KERALA

KASARAGOD



CERTIFICATE

This is to certify that the dissertation entitled “**Analysis Of Heavy Metal Content In Soil And Water Of Some Pokkali Rice Fields In Ernakulam District Of Kerala**” submitted by SHAMEEMA SULTHANA N is a bonafide record of research work accomplished under my supervision, towards the partial fulfilment of the Master of Science degree in Environmental Science of Central University of Kerala, and no part thereof has been presented for the award of any other Degree, Diploma or similar titles of any University.

Place: Central University of Kerala, Kasaragod

Dr. Jeyabalan Sangeetha

Date: 05/05/2021

Research Supervisor

अध्यक्ष, पर्यावरण विज्ञान विभाग
Head, Dept. of Environmental Science
केरल केंद्रीय विश्वविद्यालय
Central University of Kerala
तेजस्वनी हिल्स, पेये
Tejaswani Hills, Peye
कासरगोड / Kasaragod-671316

**A COMPARATIVE STUDY OF AIR QUALITY OF DELHI, PATNA
AND MADHUBANI DURING LOCKDOWN IN INDIA.**

*Submitted to the Central University of Kerala in partial fulfilment of the requirement for the
award of the degree of*

MASTER OF SCIENCE

Submitted by

SHREYA

Reg No. EES051926

Under the guidance of

Dr. K. SOWJANYA SREE

ASSISTANT PROFESSOR



DEPARTMENT OF ENVIRONMENTAL SCIENCE
SCHOOL OF EARTH SCIENCE SYSTEMS
CENTRAL UNIVERSITY OF KERALA, KASARAGOD

MAY, 2021

CENTRAL UNIVERSITY OF KERALA
DEPARTMENT OF ENVIRONMENTAL SCIENCE
SCHOOL OF EARTH SCIENCE SYSTEMS



CERTIFICATE

This is to certify that the dissertation entitled ‘**A COMPARATIVE STUDY OF AIRQUALITY OF DELHI, PATNA AND MADHUBANI DURING LOCKDOWN IN INDIA**’ submitted by **SHREYA** is a bonafide record of research work accomplished under my supervision, towards the partial fulfilment of the Masters of Science degree in Environmental Science of the Central University of Kerala, and no part thereof has been presented for the award of any other degree, diploma or similar titles of any university.

Date:

Signature of the Research Supervisor

अध्यक्ष, पर्यावरण विज्ञान विभाग
Head, Dept. of Environmental Science
केरल केंद्रीय विश्वविद्यालय
Central University of Kerala
तेजस्विनी हिल्स, पेरिया
Tejaswini Hills, Periyar
कासरगोड / Kasaragod-671316

**DIVERSITY OF LICHENS IN CENTRAL UNIVERSITY
OF KERALA CAMPUS, PERIYE, KERALA**

*Submitted to the Central University of Kerala in partial fulfilment of the requirement for the
award of the degree of*

MASTER OF SCIENCE

Submitted by

SINI MOL V

EES051927

Under the guidance of

Dr. K. SOWJANYA SREE

Assistant Professor



DEPARTMENT OF ENVIRONMENTAL SCIENCE
SCHOOL OF EARTH SCIENCE SYSTEMS
CENTRAL UNIVERSITY OF KERALA, KASARAGOD

MAY, 2021

CERTIFICATE

This is to certify that the dissertation entitled “**DIVERSITY OF LICHENS IN CENTRAL UNIVERSITY OF KERALA CAMPUS, PERIYE, KERALA**” submitted by **SINI MOL. V** is a bonafide record of research work accomplished under my supervision, towards the partial fulfilment of the Masters of Science degree in Environmental Science of the Central University of Kerala, and no part thereof has been presented for the award of any other degree, diploma or similar titles of any university.

Date: 5 th May 2021

Dr. K. SOWJANYA SREE

Assistant Professor

Department of Environmental Science

Central University of Kerala



अध्यक्ष, पर्यावरण विज्ञान विभाग
Head, Dept. of Environmental Science
केरल केंद्रीय विश्वविद्यालय
Central University of Kerala
तेजस्विनी हिल्स, पेरिया
Tejaswini Hills, Periy
कासरगोड / Kasaragod-671316

**URBAN WATER DEMAND MODELING AND
FORECASTING THE IMPACT OF COVID-19 ON
WATER DEMAND IN INDIA**

*Submitted to the Central University of Kerala in partial fulfillment of the requirement for the
award of the degree of*

MASTER OF SCIENCE

Submitted by

SNEHA VARSHA K B

EES051928

Under the guidance of

DR. RISHIRAM RAMANAN

ASSISTANT PROFESSOR



DEPARTMENT OF ENVIRONMENTAL SCIENCE

SCHOOL OF EARTH SCIENCE SYSTEMS

CENTRAL UNIVERSITY OF KERALA, KASARAGOD

MAY 2021

CERTIFICATE

This is to certify that the dissertation entitled “**WATER DEMAND MODELING & FORECASTING FOR INDIAN CITIES & THE EFFECTS OF COVID-19 PANDEMIC ON WATER DEMAND**” submitted by **SNEHA VARSHA K B** is a bonafide record of research work accomplished under my supervision, towards the partial fulfillment of the Masters of Science degree in Environmental Science of the Central University of Kerala, and no part thereof has been presented for the award of any other degree, diploma or similar titles of any university.

Date:

Signature of the Research Supervisor


अध्यक्ष, पर्यावरण विज्ञान विभाग
Head, Dept. of Environmental Science
केरल केंद्रीय विश्वविद्यालय
Central University of Kerala
तेजस्विनी हिल्स, पेरिया
Tejaswini Hills, Periyar
कासरगोड / Kasaragod-671316

**ASSESSMENT OF DRINKING WATER QUALITY IN TRIBAL
COMMUNITIES OF ATTAPPADI**

*Submitted to Central University of Kerala in partial fulfilment of requirement
for the award of degree of*

MASTER OF SCIENCE

Submitted by

SREERAG P

Reg. No. EES051929

Under the Guidance of

Dr. RISHIRAM RAMANAN

Assistant Professor



**DEPARTMENT OF ENVIRONMENTAL SCIENCE
SCHOOL OF EARTH SCIENCE SYSTEMS
CENTRAL UNIVERSITY OF KERALA, KASARAGOD**

MAY 2021



CERTIFICATE

This is to certify that the Dissertation entitled “**ASSESSMENT OF DRINKING WATER QUALITY IN TRIBAL COMMUNITIES OF ATTAPPADI**” is an authentic record of research work accomplished by **SREERAG P.**, at Central University of Kerala, Kasaragod under my supervision and that no part therefore has been presented earlier for the award of any other degree or diploma.

Dr. RISHIRAM RAMANAN

Assistant Professor

Department of Environmental Science


अध्यक्ष, पर्यावरण विज्ञान विभाग
Head, Dept. of Environmental Science
केरल केन्द्रीय विश्वविद्यालय
Central University of Kerala
तेजस्विनी हिल्स, पेरिया
Tejaswini Hills, Periyar
कासरगोड / Kasaragod-671316

EFFECT OF AMMONIA ON GROWTH OF LEMNACEAE

*Submitted to the Central University of Kerala in partial fulfilment of
requirement for the award of degree of*

MASTER OF SCIENCE

Submitted by

SUDHAKAR YELETI

Reg. No. EES051930

Under the Guidance of

Dr. K. SOWJANYA SREE

Assistant Professor



DEPARTMENT OF ENVIRONMENTAL SCIENCE
SCHOOL OF EARTH SCIENCE SYSTEMS
CENTRAL UNIVERSITY OF KERALA, KASARAGOD

MAY, 2021

CERTIFICATE

This is to certify that Dissertation entitle “EFFECT OF AMMONIA ON GROWTH OF LEMNACEAE” submitted by “SUDHAKAR YELETI” Is an authentic record of research work accomplished under my supervision, towards the partial fulfilment of the Masters of Science degree in Environmental Science of the Central University of Kerala, Kasaragod and no part thereof has been presented for the award to any other degree, diploma or similar titles of any university.

Dr. K. SOWJANYA SREE

Assistant Professor

Department of Environmental Science



अध्यक्ष, पर्यावरण विज्ञान विभाग
Head, Dept. of Environmental Science
केरल केंद्रीय विश्वविद्यालय
Central University of Kerala
तेजस्विनी हिल्स, पेरिया
Tejaswini Hills, Periyar
कासरगोड / Kasaragod-671316

**SOLID WASTE MANAGEMENT PRACTICES AND LANDFILL SITE
SELECTION USING GIS IN PALLICHAL PANCHAYAT,
THIRUVANANTHAPURAM.**

*Submitted to the Central University of Kerala in partial fulfilment of the
requirement for the award of the degree of*

MASTER OF SCIENCE

Submitted by

SURYA S B

Reg. No. EES051931

Under the guidance of

Dr. RISHIRAM RAMANAN

Assistant Professor



**DEPARTMENT OF ENVIRONMENTAL SCIENCE
SCHOOL OF EARTH SCIENCE SYSTEMS**

CENTRAL UNIVERSITY OF KERALA, KASARAGOD

MAY 2021

CENTRAL UNIVERSITY OF KERALA
DEPARTMENT OF ENVIRONMENTAL SCIENCE
SCHOOL OF EARTH SCIENCE SYSTEMS



CERTIFICATE

This is to certify that the dissertation entitled “**SOLID WASTE MANAGEMENT PRACTICES AND LANDFILL SITE SELECTION USING GIS IN PALLICHAL PANCHAYAT, THIRUVANANTHAPURAM**” submitted by **SURYA S B** is an authentic record of research work accomplished under my supervision, towards the partial fulfilment of the Master of Science degree in Environmental Science of Central University of Kerala, and no part thereof has been presented for the award of any other degree, diploma or similar titles of any university.

Dr. RISHIRAM RAMANAN

Assistant Professor
Department of Environmental Science


अध्यक्ष, पर्यावरण विज्ञान विभाग
Head, Dept. of Environmental Science
केरल केंद्रीय विश्वविद्यालय
Central University of Kerala
तेजस्विनी हिल्स, पेरिया
Tejaswini Hills, Periyar
कासरगोड / Kasaragod-671316