



केरल केन्द्रीय विश्वविद्यालय/ CENTRAL UNIVERSITY OF KERALA
(संसद के अधिनियम, वर्ष 2009 द्वारा स्थापित/ Established under the Act of Parliament in 2009)
सार्वजनिक स्वास्थ्य एवं सामुदायिक चिकित्सा विभाग / Department of Public Health & Community
Medicine
Tejaswini Hills, Periya, Kasaragod -671320

Value Added Course Scientific Writing

Credits: 0

Duration: 30 Hours

Course Objective: This course will provide an overview on the principles, techniques and strategies of writing and publishing a manuscript.

Course Outcomes: On completion of this course, participants will be able to

1. Understand the principles and techniques of scientific writing.
2. Gain knowledge on journal types, publication guidelines, models, and ethical considerations involved in publication.
3. Understand the reference writing styles and get sensitized to reference management software.
4. Apply the knowledge of scientific writing in developing a manuscript including an abstract.
5. Analyse and evaluate the quality of scientific evidence available from different sources.

Teaching Methods: This course will be delivered using a variety of methods such as interactive online lectures, self-study, and group work.

Units and Topics	Teaching Methods								Date and Faculty
Unit-I:	L	FW	FV	CS	GW	SS	SP	P	
i. Principles of clear Scientific writing - KRT ii. Parts of a scientific article - KRT iii. Types of scientific articles - KRT	x				x	x			20-26 Sept (Prof. K R Thankappan)
Unit-II: Sections of a scientific article	L	FW	FV	CS	GW	SS	SP	P	

i. Writing title of the manuscript- SH	X			X		X		X	27 Sept-3 Oct (Dr. Sibasis Hense, Dr. Jayalakshmi)
ii. Writing an abstract and keywords - SH									
iii. Writing the introduction section - SH									
iv. Writing methods section - SH									
v. Writing results section- SH									
vi. Writing discussion -JR									
vii. Writing conclusion- JR									
Unit-III: Statistical Analysis, Tables and Figures									
	L	FW	FV	CS	GW	SS	SP	P	
(i) Statistical analysis and representation of data - PKB	X			X	X	X		X	4-10 Oct (Prakash Babu Kodali)
(ii) Figures and tables - PKB									
Unit-IV: Writing a manuscript publication									
	L	FW	FV	CS	GW	SS	SP	P	
(i) Types of journals - PKB	X					X			11-17 Break week for this course 18-24 Oct, 25-31 st Oct (Elezebeth Mathews, Prakash Babu Kodali)
(ii) Publishing models -PKB									
(iii) Plagiarism - EM									
(iv) Authorship guidelines EM									
(v) Ethics approval - EM									
(vi) Manuscript preparation and Submission to journal - EM									
(vii) Peer review and feedback - EM									
(viii) Referencing - JR									

L- Lecture; FW- Field work; FV - Field Visit; CS - Case study; GW- Group work; SS- Self-study; SP- Seminar presentation; P-Practical

Evaluation

1. 75% attendance
2. Online examination at the end of the course

Readings

1. Chris A Mack. How to write a good scientific paper. SPIE Press. (ISBN 9781510619135).

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