



Course Code: CeNS-SC

Scientific Communication Course 2019

Time: 11.30 – 12.30 h

Syllabus and schedule

No	Date	Topic	Instructor	Hrs	Ref
1	5.9.2019	The working of scientific establishment, research funds, how to write a proposal, and periodic reports	Dr. C. V. Yelamaggad	1	1
2	12.9.2019	How to make effective oral and poster preparation	Dr. Pralay Santra	1	2
3	19.9.2019	Scientific databases, search engines in science, public libraries	Dr. P. Viswanath	1	3
4	26.9.2019	Ethics in Scientific Research: Ethical values, Research/Scientific Misconduct Case studies: Research misconduct, Responding to Research misconduct, Ethical guidelines: Data management, Dissemination of research findings, Authorship, Manuscript preparation, Publication practices, Peer review, Conflicts of Interest, and Intellectual property, Researchers in Society Questionable Research Practices Good Research Practices	Dr. Geetha G. Nair	1	4
5	3.10.2019 10.10.2019	Means of communicating scientific data: Necessity, Society meeting, journals, journal policies, journal sections, impact factors, cover letter to the editor, scientific review	Prof. K. A. Suresh	1+1	5
6	17.10.2019 24.10.2019	Manuscript preparation: Abstract, Introduction, Methods, Results, Discussion, Conclusions, Bibliography, Appendices, Artwork, Tables, Weblinks	Dr. S. Krishna Prasad	1+1	6
7	31.10.2019	The peer review process: How to write a scientific review?	Prof. G. U. Kulkarni	1	7

References

1. (a) Alternative Science: Challenging the myths of the Scientific Establishment, Richard Milton, Park Street Press, Rochester, 1996.
(b) The Research Funding Toolkit: How to plan and write successful Grant Applications, Jacqueline Aldridge and Andrew M Derrington, SAGE publication, Inc., California, 2012.
2. The craft of Scientific Presentations, Michael Alley, Springer-Verlag, NY, 2003.
3. (a) login to scifinder: <https://sso.cas.org/as/Ageia/resume/as/authorization.ping>

- (b) Training through videos: <https://www.cas.org/support/training/scifinder>
 - (c) Information Retrieval – SciFinder (2Nd Edition), Ridley, Damon, John Wiley & Sons (10/2009).
4. (a) On Being a Scientist: A Guide to Responsible Conduct in Research: Third Edition (2009)
 - (b) Research Ethics for Scientists: A Companion for Students, C. Neal Stewart Jr., John Wiley & Sons, Ltd., (2011)
 - (c) Responsible Conduct of Research, 3rd Edition, Adil E. Shamoo and David B. Resnik, Oxford University Press (2015)
 5. <https://www.elsevier.com/connect/six-things-to-do-before-writing-your-manuscript>
 6. (a) How to write and publish a scientific paper, Robert A. Day and Barbara Gastel, ABC-CLIO, 2011.
 - (b) Writing and Publishing a Scientific Research Paper, Eds. Subhash Chandra Parija, Vikram Kate, Springer, 2017
 - (c) Youtube video on [How to Write and Prepare Scientific Articles for Publication](#)
 7. Example: <http://www.rin.ac.uk/system/files/attachments/Peer-review-guide-screen.pdf>