

COURSEWORK SYLLABUS

RESEARCH AND PUBLICATION ETHICS

Total Credits: 02

M. M.: 100

Total Hours: 30

Unit I: PHILOSOPHY AND ETHICS

(05 Hours)

Introduction to philosophy: definition, nature and scope, concept, branches - Ethics: definition, moral philosophy, nature of moral judgments and reactions.

Unit II: SCIENTIFIC CONDUCT

(05 Hours)

Ethics with respect to science and research - Intellectual honesty and research integrity - Scientific misconducts: Falsification, Fabrication and Plagiarism (FFP) - Redundant Publications: duplicate and overlapping publications, salami slicing - Selective reporting and misrepresentation of data.

Unit III: PUBLICATION ETHICS

(05 Hours)

Publication ethics: definition, introduction and importance - Best practices / standards setting initiatives and guidelines: COPE, WAME, etc. - Conflicts of interest - Publication misconduct: definition, concept, problems that lead to unethical behavior and vice versa, types - Violation of publication ethics, authorship and contributor ship - Identification of publication misconduct, complaints and appeals - Predatory publisher and journals.

Unit IV: OPEN ACCESS PUBLISHING

(05 Hours)

Open access publications and initiatives - SHERPA/RoMEO online resource to check publisher copyright & self-archiving policies - Software tool to identify predatory publications developed by SPPU - Journal finger / journal suggestion tools viz. JANE, Elsevier Journal Finder, Springer, Journal Suggester, etc.

Unit V: PUBLICATION MISCONDUCT

(05 Hours)

Group Discussion, Subject specific ethical issues, FFP, authorship b) Conflicts of interest c) Complaints and appeals: examples and fraud from India and abroad Software tools: Use of plagiarism software like Turnitin, Urkund and other open source software tools.

Unit VI: DATABASES AND RESEARCH METRICS

(05 Hours)

Indexing databases, Citation databases: Web of Science, Scopus, etc. Research Metrics, Impact Factor of journal as per Journal Citations Report, SNIP, SJR, IPP, Cite Score - Metrics: h-index, g index, i10 Index, altmetrics.

Kamal Bhattacharya

References:

- International Committee of Medical Journal Editors. (2006) Uniform Requirements for Manuscripts Submitted to Biomedical Journals: Writing and Editing for Biomedical Publication. <http://www.ICMJE.org>.
- Office of Research Integrity. 2009 Managing Allegations of Scientific Misconduct: A Guidance Document for Editors. http://ori.dhhs.gov/documents/masm_2000.pdf (accessed 23 October 2006).
- Bird, A.(2016). Philosophy of Science. Routledge
- MacIntyre, Alasdair (2017) A Short History of Ethics. London.
- P.Chaddah, (2018) Ethics in Competitive Research: Do not get Scooped; do not get Plagiarized, ISBN :978-9387480865
- National Academy of Sciences, National Academy of Engineering and Institute of Medicine. (2009). On
- Resnik, D.B.(2011) What is ethics in research & why is it important. National institute of Environmental
- Beall, J: (2012) Predatory publishers are corrupting open access. Nature, 489(7415), 179-179. <https://doi.org/10.1038/489179a>

Kamal Bhattacharyya