



DRP 901 – Research and Publication Ethics

Course Objective:

- Course for awareness about the publication ethics and publication misconducts.

Overview:

- This course has total 6 units focusing on basics of philosophy of science and ethics, research integrity, publication ethics. Hands-on-sessions are designed to identify research misconduct and predatory publications. Indexing and citation databases, open access publications. research metrics (citations, h-index, Impact Factor, etc.) and plagiarism tools will be introduced in this course.

Course Level:

- 02 Credit course (30hrs.)

Eligibility:

- M.Phil.,Ph.D. students and interest faculty members (It will be made available to post graduate students at later date)

Fees:

- As per University Rules

Faculty:

- Interdisciplinary Studies

About the course:

- Course Code: DRP 901

Pedagogy:

- Classroom/online teaching, guest lectures, group discussions and practical sessions

Evaluation:

As per University rules

Course Structure:

Each Unit 06 hours



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Unit I: Introduction

Introduction to philosophy: Definition, nature and scope, concept, branches - Ethics: Definition, moral philosophy, nature of moral judgments and reactions – Ethics with respect to Science and Research
 Intellectual honesty and research integrity

Unit II: Scientific Conduct

Scientific misconducts: Falsification, Fabrication, and Plagiarism (FFP)

Redundant Publications: Duplicate and over lapping publications, salami slicing – Selective reporting and misrepresentation of data

Unit III: Publication Ethics - I

Publication ethics: Definition, introduction and importance – Best practices/standards setting initiatives and guidelines: COPE, WAME etc. Publication misconduct: definition, Concept, problems that lead to unethical behavior and vice-versa, types.

Unit IV: Publication Ethics - II

Violation of publication ethics, authorship and contributor ship – Identification of publication misconduct, complaints and appeals – Predatory publishers and journals – Subject specific ethical issues, Complaints and appeals: examples and fraud from India and Abroad

Unit V: Data Bases and Research Metrics

Open Access publication and Initiatives – Indexing databases – Citation databases, Web of Science, Scopus, etc. – Impact factor of journals as per Journal Citation report .SNIP, SJR, IPP, Cite Score - Metrics: h-index,gindex,i10index,altmetrics – Conflict of interest.

References:

1. Bird A 2006, Philosophy of Science, Routledge
2. MacIntyre & Alasdair, 1967, A Short History of Ethics, London.
3. Chaddah, P20 1 8, Ethics in Competitive Research: Do not get scooped; do not get plagiarized, ISBN: 9789387480865.
4. On Being a Scientist: A Guide to Responsible Conduct in Research, 2009, National Academy of Sciences, National Academy of Engineering and Institute of Medicine. 3rd edition, National Academies Press.
5. Resnik, D. B 201 1, what is ethics in research & why is it important. National Institute of Environmental Health Sciences, pp.1–10. https://www.niehs.nih.gov/research/reso_uuces/bioethics/whatis/index.cfm
6. Bcall, J 2012, Predatory publishers are corrupting open access, Nature, Vol. 489, no.7415,pp. 179–179. <https://doi.org/10.1038/48917%>
7. Ethics in Science Education, 2019 Indian National Science Academy (INSA), Research and Governance, ISBN: 978-81-939482-1-7. http://www.insaindia.rcs.Wpdf/Ethics_Book.pdf

For details: https://www.ugc.ac.in/pdfnews/9836633_Research-and-Publication-Ethics.pdf