

Maulana Azad National Urdu University
H.K. Sherwani Centre for Deccan Studies
Ph.D in Deccan Studies

Course Work
Paper IV: Research and Publication Ethics (RPE)

Detailed Syllabus

Course Title: Research and Publication Ethics

Course Code: PHCC104CCT

Semester: I

Scheme of Instruction

Total Duration: 30 hours

Credits: 2

Pedagogy: Classroom teaching, guest lectures, group discussions and practical sessions

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 Outcome: Students are expected to get aware about the publication ethics and publication misconduct. The course shall help to enhance quality of the research and publications.

Unit	Course Content	Instruction Hours
Theory		
RPE 01	Philosophy and Ethics 1. Introduction to philosophy: definition, nature and scope, concept, branches 2. Ethics: definition, moral philosophy, nature of moral judgements and reaction	4 hrs
RPE 02	Scientific Conduct 1. Ethics with respect to science and research 2. Intellectual honesty and research integrity 3. Scientific misconducts: falsification, fabrication, and plagiarism (FFP) 4. Redundant Publications: duplicate and overlapping publications, salami slicing 5. Selective reporting and misrepresentation of data	4 hrs
RPE 03	Publication Ethics 1. Publication ethics: definition, introduction and importance	7 hrs

	<ul style="list-style-type: none"> 2. Best practices/standards setting initiatives and guidelines: COPE, WAME, etc. 3. Conflicts of interest 4. Publication misconduct: definition, concept, problems that lead to unethical behaviour and vice versa, types 5. Violation of publication ethics, authorship and contributorship 6. Identification of publication misconduct, complaints and appeals 7. Predatory publishers and journals 	
Practice		
RPE 04	Open Access Publishing <ul style="list-style-type: none"> 1. Open access publications and initiatives 2. SHERPA/RoMEO online resource to check publisher copyright & self-archiving policies 3. Software tool to identify predatory publications developed by SPPU 4. Journal finder/ journal suggestion tools viz. JANE, Elsevier Journal Finder, Springer Journal Suggester, etc. 	4 hrs
RPE 05	Publication Misconduct <ul style="list-style-type: none"> A. Group Discussions <ul style="list-style-type: none"> 1. Subject specific ethical issues, FFP, authorship 2. Conflicts of interest 3. Complaints and appeals: examples and fraud from India and abroad B. Software tools <ul style="list-style-type: none"> 1. Use of plagiarism software like Turnitin, Urkund and other open source software tools 	4hrs
RPE06	Databases and research metrics <ul style="list-style-type: none"> A. Databases <ul style="list-style-type: none"> 1. Indexing databases 2. Citation data bases: Web of Science, Scopus, etc. B. Research Metrics <ul style="list-style-type: none"> 1. Impact Factor of journal as per Journal Citation Report, SNIP, SJR, IPP, CiteScore 2. Metrics: h-index, gindex, i10 index, altmetrics 	7 hrs

References

1. Jeffrey Beall, "Predatory Publishers are Corrupting Open Access," *Nature*, Vol. 489 (7415), pp. 179-179, September, 2012.
2. Bird, A., *Philosophy of Science*, Routledge, London, 2008.
3. Indian National Science Academy (INSA), *Ethics in Science Education*, Research and Governance, 2019.
3. Alasdair MacIntyre, *A Short History of Ethics: A History of Moral Philosophy from the Homeric Age to the Twentieth Century*, London, Routledge & Kegan Paul PLC, London, 1967.
4. National Academy of Sciences, National Academy of Engineering and Institute of Medicine, *On Being a Scientist: A Guide to Responsible Conduct in Research*, National Academies Press, USA, 2009.
5. P.Chaddah, (2018) *Ethics in Competitive Research: Do Not Get Scooped; Do Not Get Plagiarized*, 2008.

6. Resnik, D. B. *What is Ethics in Research & Why is it Important*, National Institute of Environmental Health Sciences, Durham, 2011.