

## Research and Publication Ethics (LS 612A) [ 2 Credits]

A S Kharat\*, A K Nandi , S Gourinath , S K Jha

Modules	Unit title	Teaching hours	Topic	Faculty
<b>THEORY</b>				
RPE 01	Philosophy and Ethics	3	Introduction of philosophy: Definition, Nature and scope, concept, branches	ASK
			Ethics: Definition, moral philosophy, nature of moral judgments and reactions	ASK
RPE 02	Scientific Conduct	5	Ethics with respect to science and research	ASK
			Intellectual honesty and research integrity	SKJ
			Scientific misconducts: Falsification, Fabrication, and Plagiarism (FFP)	ASK
			Redundant publications: Duplicate and overlapping publications, Salami Slicing	SGN
			Selective reporting and misrepresentation of data	SGN
RPE 03	Publication Ethics	7	Publication ethics: Definition, introduction and importance	AKN
			Best practices/standards setting initiatives and guidelines: COPE, WAME, etc.	AKN
			Conflicts of interest	AKN
			Publication misconduct: Definition, concept, problems that lead to unethical behavior and vice-versa, types	AKN
			Violation of publication ethics, authorship and contributorship	AKN
			Identification of publication misconduct, complaints and appeals	ASK
			Predatory publishers and journals	ASK
<b>Practice</b>				
RPE 04	Open Access Publishing	4	1. Open access publications and initiatives 2. SHERPA/RoMEO online resource to check publisher copyright & self-achieving policies 3. Software tool to identify predatory publications developed by SPPU 4. Journal finder/journal suggestion tool viz., ZAME, Elsevier journal Finder, Springer journal suggester, etc.	ASK, SKJ, SGN, AKN
RPE 05	Publication Misconduct	4	<b>Group Discussion (2 hrs)</b> 1. Subject specific ethical issues, FFP, authorship 2. Conflicts of interest 3. Complaints and appeals: Examples and fraud from India and abroad	ASK, SKJ, SGN, AKN
			<b>Software tools (2 hrs)</b> Use of plagiarism software like Turnitin, Urkund and other open-source software tools	ASK, SKJ, SGN, AKN
RPE 06	Databases and Research Metrics	7	<b>Databases (4 hrs)</b> 1. Indexing databases 2. Citation databases: Web of science, Scopus, etc.	ASK, SKJ, SGN, AKN
			<b>Research Metrics (3 hrs)</b> 1. Impact Factor of journal as per journal Citation report, SNIP, SJR, IPP, Cite Score	ASK, SKJ, SGN, AKN

			2. Metrics: h-index, g index, i10 index, altmetrics	
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**Total contact hours: = 30**

### References

Bird, A. (2006). Philosophy of Science, Routledge.

MacIntyre, Alasdair (1967) 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 being a Scientist: A guide to responsible Conduct in research: Third Edition. National Academics Press.

Resnik, DB (2011) What is ethics in research & why is it important. National Institute of Environmental Health Sciences, 1-10, retrieved from <https://www.niehs.nih.gov/research/resources/bioethics/whatis/index.cfm>

Beall, J. (2012). Predatory publishers are corrupting open access. Nature, 489(7415), 179-199. doi: 10.1038/489179a.

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