RMC0001	RESEARCH AND PUBLICATION ETHICS	L	T	P	C
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(Common to all Research Scholars)

Course Objectives:

1. Course for awareness about publication ethics and publication misconduct.
2. To understand ethical dilemmas faced in research and publication
3. To understand Intellectual honesty and research integrity.
4. To learn and understand Best Practices for the Publication process
5. To identify the impact factor journals, and research metrics

Expected Course Outcome:

On the completion of this course, the student will be able to:

1. Critically evaluate research Publications and ethical issues.
2. Distinguish publication misconduct and scientific research.
3. Analyze how ethical challenges can be addressed in research and publication.
4. Delineate limits of data that are collected and utilized during research and publication.
5. To comprehend and deal with complex research metrics and databases.

Module:1	Philosophy and Ethics	3 Hours

Introduction to Philosophy: Definition, nature and scope, concept, branches, Ethics: Moral Philosophy, nature of moral judgments and reactions.

Module:2	Scientific Conduct	5 Hours

Ethics with respect to Science and Research, Intellectual honesty and Research Integrity
Scientific misconducts: Falsification, Fabrication and Plagiarism (FFP), Redundant Publications: Duplicate Publications and overlapping Publications, salami slicing, Selective Reporting misrepresentation of data.

Module:3	Publication Ethics	7 Hours

Publication Ethics: Definition, introduction and importance, Best Practices/standards setting initiatives and guidelines: Committee on Publication Ethics (COPE), World Association of Medical Editors (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 contributorship, Identification of Publication misconduct, complaints and appeals, Predatory Publishers and Journals.

Module:4	Practice 1: OPEN Access Publishing	4 Hours

1. Open Access Publications and Initiatives.
2. SHERPA/ROMEO online resource and check publisher copyright & Self-archiving policies.
3. A software tool to identify predatory publications developed by SPPU Journal finder/ Journal suggestion tools Viz. JANE, Elsevier journal finder, Springer, Journal Suggester, etc.

Module:5	Practice 2:Publication Misconduct	4 Hours

Group Discussion: Subject-specific ethical issues, FFP and authorship, Conflict of interest, Complaints and appeals: example fraud from India and abroad, Software tools: Use of Plagiarism software Turnitin, Urkund and other open source software tools.

Module:6	Practice 3: Databases and Research Metrics	7 Hours

Data Bases: Indexing Database, Citation Data Bases: Web of Science, Scopus etc., Impact factor of Journal as per Journal Citation Report, SNIP, SJR, IPP, Cite Score, Metrics: h-index, g index, i10 index, Almetrics.

Reference Books

1. Leefmann, J., & Jungert, M. (2020). Research Ethics and Scientific Integrity in Neuroscience. Handbook of Research Ethics and Scientific Integrity, 1013-1035.
2. Iphofen, R., & Tolich, M. (Eds.). (2018). The SAGE handbook of qualitative research ethics. Sage.
3. Temple, A. (2019). The Postgraduate's Guide to Research Ethics. United Kingdom: Macmillan International Higher Education.
4. Research and Publications Ethics by Santosh Kumkar Yadav, Ane Publications, 2020.
5. Kara, H. (2018). Research Ethics in the Real World: Euro-Western and Indigenous Perspectives. United Kingdom: Policy Press.
6. Anil. K. Jain, Ethical issues in scientific publication, Indian J Orthop. 2010 Jul-Sep; 44(3): 235–237.
7. Gupta, S., Kamboj, S. (2020). Research and Publication Ethics. (n.p.): Alexis Press LLC.
8. Bos, J. (2020). Research ethics for students in the social sciences (pp. 287). Springer Nature.Cavaliere, P., De Souza, D., Fenton, A. L., Giridharan, B., Gralla, C., Inshakova, N., & Zaharuk, G. (2020). Academic Misconduct and Plagiarism: Case Studies from Universities around the World. Lexington Books.
9. Bretag, T. (Ed.). (2016). Handbook of academic integrity. Springer Singapore.
10. Dobrick, F. M., Fischer, J., & Hagen, L. M. (2018). Research Ethics in the Digital Age. Wiesbaden: Springer.
11. Manual for research and publication ethics in science and engineering, Korean Federation of Science and Technology Societies, Seoul, Korea, 2016.
12. Kleinert S & Wager E (2011) Responsible research publication: international standards for editors. Promoting Research Integrity in a Global Environment. Imperial College Press / World Scientific Publishing, Singapore (pp. 317-28). (ISBN 978-981-4340-97-7).

Mode of Evaluation: CAT / Assignment / Case Study discussion / FAT / Seminar / Tutorials

Approved by Academic Council	**59th**	**Date**	**24/9/2020**

Approval			
Sl. No.	**Name of the Member**	**Role**	**Signature**
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