LIS - 601: Research Publication and Ethics

(4 Credits/100 Marks)

Course Description:

This course covers the fundamentals of science philosophy and ethics, research integrity, and publication ethics. The purpose of these sessions is to identify scientific misconduct and predatory publications. This course covers indexing and citation databases, open access publications, research metrics (citations, h-index, impact factor, and so on), and plagiarism tools.

Learning Objectives:

1. To be aware of research ethics rules, issues, options, and resources
2. To become familiar with different institutional ethical review boards/academic integrity requirements
3. To comprehend the value and purpose of ethical decision-making
4. To maintain a positive attitude toward continuing to learn about research ethics

Course Outline

Unit - I: Research-Philosophy and Ethics 5 Hours

Introduction to Philosophy: Definition, Nature and Scope, Concept, and Branches.

Definition of Ethics, Moral philosophy, Nature of moral judgements and reactions.

Unit - II: Scientific Conduct 10 Hours

Science and research ethics, Intellectual honesty and Research integrity.

Falsification, Fabrication, and Plagiarism (FFP).

Redundant publications: Duplicate and Overlapping publications, Salami slicing.

Data Falsification, Misrepresentation of data and Selective reporting

Unit - III: Ethics of Publication **10 Hours**

Definition, Introduction, and Significance of publication ethics

Publication Standards/Initiatives

Conflicts of Interest: Definition, Concept, difficulties that lead to unethical activity and vice versa, Types of publication misconduct

Authorship, Contributorship, and Publishing ethical violations

Detection of publication malpractice, Complaints and Appeals

Predatory journals and Publishers - Practice

Unit - IV: CC, OA, Plagiarism, RM **20 Hours**

Creative Commons (CC) Policies

Open Access (OA) Publications and Projects. Check publisher copyright and Self-archiving rules using related web portals.

Routes to Open Access, Repositories, Journals, NoteBooks

Plagiarism detection tools. Reference Management (RM) tools. Paraphrasing tools. Literature Review Grid. Journal suggestion tools.

Unit - V: Databases and Metrics **15 Hours**

Databases and research metrics.

Citation Databases. Indexing Databases. Specific Subject databases

Research metrics: Impact Factor, SNIP, SJR, IPP, Eigenfactor and Cite Score.

Author level metrics: h-index, g index, m index, i10 index

Article level metrics: Altmetrics, PlumX

Learning Outcomes:

1. At the end of the course, the students will appreciate the importance of being ethical when conducting research and publishing activities by the end of the course.
2. They will be able to distinguish between good and bad publishing procedures, as well as how to spot questionable publishing techniques and publishers.
3. More crucially, there will be a greater understanding of the term "open access," as well as contributions of research output to open access publishing platforms.

4. The students will also become familiar with the software and databases required for conducting research.

References / Readings:

1. Bird, A (2006). Philosophy of Science. Routledge
2. Dutta, D. S. (2021). *Research & Publication Ethics in Social Science.* New Delhi: Bharti Publications.
3. Gliner, J. A., & Morgan, G. A. (2000). *Research Methods in Applied Settings: An Integrated Approach to Design and Analysis.* Lawrence Erlbaum Associates.
4. Lefkowitz, J. (2003). *Ethics and Values in Industrial-Organisational Psychology.* Lawrence Erlbaum Associates.
5. Stanley, B. H., Sieber, J. E., & Melton, G. B. (n.d.). *Research Ethics: A Psychological Approach.*
6. Todorovich, M., Kurtz, P., & Hook, S. (n.d.). *The Ethics of Teaching and Scientific Research.*