

**Course title: Research and publication ethics**

**Course for programme: PhD**

**Course no: PSPHTE670**

**Duration of Exam: 2 hrs**

**Course Credit: 2**

**MM: 50**

---

**Overview:** This course has total 5 units focusing on basics of philosophy of science and ethics, research integrity, publication ethics. The course is designed to provide the knowledge about the identification of research misconduct and predatory publications. Indexing and citation databases, open access publications, research metrics (citations, h-index, impact factor, etc.) and plagiarism tools are also introduced in this course.

---

**Unit 1: Philosophy, Ethics and Scientific Conduct**

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, Scientific misconducts: Falsification, Fabrication, and Plagiarism (FFP), Redundant publications: duplicate and overlapping publications, salami slicing; Selective reporting and misrepresentation of data

**Unit 2: Publication Ethics**

Publication ethics: definition, introduction and importance; Best practices / standards setting initiatives and guidelines: COPE, 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 contributor ship; Identification of publication misconduct, complaints and appeals; Predatory publishers and journals practice

**Unit 3: Open Access Publishing**

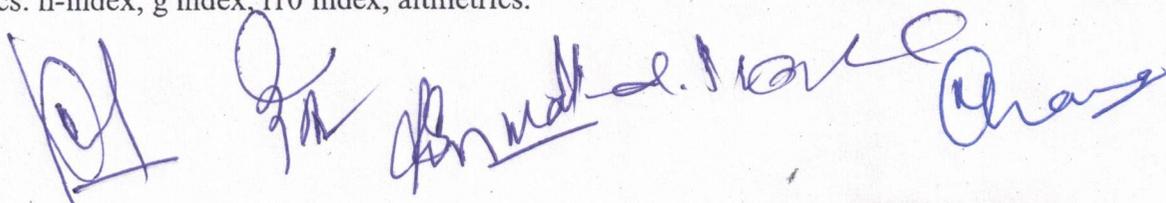
Open access publications and initiatives; SHERPA/ROMEIO online resource to check publisher copyright & self-archiving policies; Software tool to identify predatory publications developed by SPPU; Journal finder / journal suggestion tools viz. Elsevier Journal Finder, Springer Journal Suggestor, etc.

**Unit 4: Publication Misconduct**

Subject specific ethical issues, FFP, authorship; Conflicts of interest; Complaints and appeals: examples and fraud from India and abroad; Software tools: Use of plagiarism software like Turnitin, Urkund and other open source software tools

**Unit 5: Databases and Research Metrics**

Databases: Indexing databases; Citation databases: Web of Science, Scopus, etc.; Research Metrics; Impact Factor of journal as per Journal Citation Report, SNIP, SJR, IPP, Cite Score; Metrics: h-index, g index, i10 index, altmetrics.



### Suggested Readings

- The Ethics of Teaching and Scientific Research By Miro Todorovich; Paul Kurtz; Sidney Hook.
- Research Ethics: A Psychological Approach By Barbara H. Stanley; Joan E. Sieber; Gary B. Melton
- Research Methods in Applied Settings: An Integrated Approach to Design and Analysis By Jeffrey A. Gliner; George A. Morgan Lawrence Erlbaum Associates, 2000
- Ethics and Values in Industrial-Organizational Psychology By Joel Lefkowitz Lawrence Erlbaum Associates, 2003.

*Handwritten signatures in blue ink:*  
A large, stylized signature on the left, possibly "M. Todorovich".  
A signature in the middle, possibly "Barbara H. Stanley".  
A signature on the right, possibly "Joan E. Sieber".  
A signature below the middle one, possibly "Gary B. Melton".  
A signature on the far right, possibly "Jeffrey A. Gliner".