

1. RESEARCH ADVISORY COMMITTEE MEMBERS

1. Dr. G. KRISHNAN	Principal / Head
2. Dr. O. R. DEVANATHAN	Associate Professor & Head, Sanskrit/ Coordinator
3. Dr. SUJARITHA MAGDALIN	Associate Professor & Head, Psychology
4. Dr. P. K. KALEENA	Associate Professor, Zoology
5. Dr. K. SAKTHI MURUGESAN	Associate Professor & Head, Physics
6. Dr. N. INDRA GANDHI	Associate Professor & Head, Chemistry
7. Dr. D. LALITHA	Associate Professor & Head, Mathematics
8. Dr. S.PANDIARAJ	Associate Professor & Head, Commerce
9. Dr. P. MUTHUKUMAR	Associate Professor & Head, Political Science
10. Dr. S. SASIKALA	Associate Professor & Head, Microbiology Biotechnology
11. Dr. N.VISWANATHAN	Associate Professor, Statistics
12. Dr. S. MARY VENNILA	Associate Professor & Head, Computer Science
13. Dr. S. JAYARAMAN	Associate Professor, Economics
14. Dr. R. VIMALA	Associate Professor & Head, Geography
15. Dr. B. GOWTHAM	Associate Professor & Head, Geology
16. Mr. K. DURAICHAMY	Associate Professor, History
17. Dr. A. AMBRUNI	Associate Professor & Head, Telugu
18. Dr. B. SUJATHA	Assistant Professor, Public Administration
19. Dr. P. MUKESH DEVAN	Assistant Professor & Head, Commerce (Hearing Impaired)
20. Dr. K. GUNASEKARAN	Assistant Professor & Head, Corp. Secretaryship.

2. ETHICS COMMITTEE MEMBERS

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2. Dr. O. R. DEVANATHAN	Associate Professor & Head, Sanskrit/ Coordinator
3. Dr. SUJARITHA MAGDALIN	Associate Professor & Head, Psychology
4. Dr. P. K. KALEENA	Associate Professor, Zoology
5. Dr. K. SAKTHI MURUGESAN	Associate Professor & Head, Physics
6. Dr. N. INDRA GANDHI	Associate Professor & Head, Chemistry
7. Dr. D. LALITHA	Associate Professor & Head, Mathematics
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18. Dr. B. SUJATHA	Assistant Professor, Public Administration
19. Dr. P. MUKESH DEVAN	Assistant Professor & Head, Commerce (Hearing Impaired)
20. Dr. K. GUNASEKARAN	Assistant Professor & Head, Corp. Secretaryship.

3. RESEARCH ETHICS FOR RESEARCH METHODOLOGY COURSE WORK

PRESIDENCY COLLEGE (AUTONOMOUS), CHENNAI 600 005.

Course Work Examination

RPE 01: PHILOSOPHY AND ETHICS (3 hrs)

1. Introduction to philosophy : definition, nature and scope, concept, branches
2. Ethics: definition, moral philosophy, nature of moral judgements and reactions

RPE 02: SCIENTIFIC CONDUCT (5 hrs)

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

RPE 03: PUBLICATION ETHICS (7 hrs)

1. Publication ethics: definition, introduction and importance
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

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RPE 04: OPEN ACCESS PUBLISHING (4 hrs)

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.

RPE 05: PUBLICATION MISCONDUCT (4 hrs)

- A. Group Discussion (2 hrs)
 - 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 (2 hrs)
 - Use of Plagiarism software like Turnitin, Urkund and other open source software tools

RPE 06: DATABASES AND RESEARCH METRICS (7 hrs)

- A. Databases (4 hrs)
 - 1. Indexing databases
 - 2. Citation databases: Web of Science, Scopus etc.
- B. Research Metrics (3 hrs)
 - 1. Impact Factor of journal as per Journal citation Report, SNIP, SJR, IPP, Cite Score
 - 2. Metrics: h-index, g index, i10 index, almetrics

References

1. Groff, R., & Greco, J. (Eds.). (2013). *Powers and capacities in philosophy: The new Aristotelianism*. Routledge.
- MacIntyre, Alasdair (1967) *A Short History of Ethics*. London.
- Chaddah, P. (2018). Ethics in Competitive Research: Do not get scooped; do not get plagiarized.
2. National Academy of Sciences,. "On Being a Scientist: A Guide to Responsible Conduct in Research." (2009).
3. Resnik, D.B (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>
4. Beall, J. (2012). Predatory publishers are corrupting open access. *Nature*, 489(7415), 179-179.
5. Muralidhar, K., Ghosh, A., & Singhvi, A. K. (2021). *Ethics in science education, research and governance*. Indian National Science Academy.

3. PLAGIARISM CHECK THROUGH AUTHENTICATED SOFTWARE

- ❖ In association with University of Madras, **Urkund** software has been used for the checking of plagiarism.