## Course Name: Research and Publication Ethics (Code: CPE-RPE)

Course Nature: Mandatory Course Coordinators: Dr. S.K. Prasad and Dr. A.K. Singh

Total duration: **30 Hrs** Credit points: **2** 

each (topics will be floated by all Instructors)  11:00 AM – 01:00 PM	Section	Contents	Duration	Date & Time	Instructor
Publication practices, Peer review, Conflicts of Interests, and Intellectual property, Researchers in Society Questionable Research Practices Good Res	1	Research/Scientific Misconduct Case studies: Research misconduct, Responding to Research misconduct, Ethical guidelines: Data management, Dissemination of research findings, Authorship, Manuscript preparation, Publication practices, Peer review, Conflicts of Interest, and Intellectual property, Researchers in Society Questionable Research Practices Good	Discussion: 0.5 hr	Thursday	- Dr. Geetha G Nair
Methods, Results, Discussion, Conclusions Bibliography. Appendixes, Artwork, Tables Weblinks  2 Publication Ethics: definition, introduction and importance, Best practices/ standard settings initiatives and guidelines. COPP, WAMB, etc. Open access publications and initiatives SHERPAROMEO online resource to cheek publisher copyright & self-archiving policies  3 The peer review process: How to write a scientific review? Scientific misconduct: specification and plagratism (FPP) Redundant publication: duplicate and overlapping. Selective reporting and misrepresentation of data  Scientific athabases, well of Sciences, Scopus, etc. Software tools: Use of plagratism software like Tumith Urkund and other open source software. Software tools: Use of plagratism software like Tumith Urkund and other open source software. Software tools to identify pretatory publication distances: Web of Sciencific establishment, research funds, how to write a proposal, and periodic responsible of explain  4 The working of scientific establishment, research funds, how to write a proposal, and periodic responsible and to explain  5 Plow to make effective oral and poster prepuration. Impact factor of journals as performed ication reports. SNIP, JNI, IPP, Cite score Metrices: h-index, g index, H0 index, altimetric  6 Weans of communicating scientific datas. Proportional citation reports. SNIP, JNI, IPP, Cite score Metrices: h-index, g index, H0 index, altimetric  7 Necessity of Society meetings, journals, journal policies, journal sections  8 Based on the topics from section 1-7, students will give a presentation of at least 10 minutes will give a presentation of a least 10 minutes will give a presentation of a least 10 minutes will give a presentation of a least 10 minutes will give a presentation of a least 10 minutes will give a presentation of a least 10 minutes will give a presentation of a least 10 minutes and appeals for topical policies. Journal sections  1 Proportional proposal proposal proposal proposal proposal proposal proposal pr				Thursday	
imitiatives and guidelines: COPE, WAME, etc Open access publications and initiatives SHERPAR(OMBO online resource to check publisher copyright & self-archiving policies  The peer review process: How to write a scientific review? Scientific misconduct: Falsification, and Plagiarism (FPP) Redundant publication: duplicate and overlapping. Selective reporting and misrepresentation of data overlapping. Selective reporting and misrepresentation of data overlapping. Selective reporting and misrepresentation of data subsess: Web of Sciences, Scopus, etc. Software tools: Use of plagiarism software like Turnifi, Urkund and other open source software Software tool to identify predatory publications developed by SPPU. Journal finder / journal suggestion tools viz. JANE, Elsevier Journal Finder, Spring Journal Suggester, etc.  The working of scientific establishment research Iunds, how to write a proposal, and periodic reports. Complaints and appeals for violation of Scientific and Publication misconducts: give some examples of fraud from India and abroad to explain  Thow to make effective oral and poster pournal citation report. SNEP, SIR, IPP, Cite score Metrices: h-index, g index, 110 index, altimetric  Means of communicating scientific data: Necessity of Society meetings, journals, journal policies, journal sections  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Thursday 11:00 AM - 01:00 PM  Thursday	2	Methods, Results, Discussion, Conclusions, Bibliography, Appendices, Artwork, Tables, Weblinks  Publication Ethics: definition, introduction and importance, Best practices/ standard settings initiatives and guidelines: COPE, WAME, etc. Open access publications and initiatives, SHERPA/ROMEO online resource to check publisher copyright & self-archiving	Discussion: 0.5 hr Group Activity: 1 hr	Thursday	
Scientific review? Scientific misconduct:   Falsification, Fabrication, and Plagiarism (FFP)   Redundant publication: duplicate and overlapping. Selective reporting and misrepresentation of data				Thursday	
Scientific databases, search engines in science, public libraries, Indexing databases Citation databases: Web of Sciences, Scopus, etc.  Software tools: Use of plagiarism software like Turnitin, Urkınd and other open source software software tool to identify predatory publications developed by SPPU. Journal finder / journal suggestion tools viz. JANE, Elsevier Journal Finder, Spring Journal Suggester, etc.  The working of scientific establishment, research freports. Complaints and appeals for violation of Scientific and Publication misconducts: give some examples of fraud from India and abroad to explain  How to make effective oral and poster preparation. Impact factor of journals as per Journal citation report, SNIP, SIR, IPP, Cite score Metrices: h-index, g index, i10 index, altimetric  Means of communicating scientific data: Necessity of Society meetings, journals, journal policies, journal sections  Means of communicating scientific data: Necessity of Society meetings, journals, journal policies, journal sections  Final Seminar  Based on the topics from section 1-7, students will give a presentation of at least 10 minutes each (topics will be floated by all Instructors)  11:00 AM – 01:00 PM  Teaching: 1 hr Discussion: 0.5 hr Group Activity: 2 hr Discussion: 0.5 hr Discussion: 0.5 hr Group Activity: 2 hr Discussion: 0.5 hr Discussion: 0.5 hr	3	scientific review? Scientific misconduct: Falsification, Fabrication, and Plagiarism (FFP) Redundant publication: duplicate and	Discussion: 0.5 hr	Thursday 11:00 AM – 01:00 PM 23 September 2021	
public libraries, Indexing databases Citation databases: Web of Sciences, Scopus, etc. Software tools: Use of plagiarism software like Turnitin, Urkund and other open source software Software tools to identify predatory publications developed by SPPU. Journal finder / journal suggestion tools viz. JANE, Elsevier Journal Finder, Spring Journal Suggester, etc.  The working of scientific establishment, research funds, how to write a proposal, and periodic reports. Complaints and appeals for violation of creentific and Publication misconducts: give some examples of fraud from India and abroad to explain  How to make effective oral and poster preparation. Impact factor of journals as per Journal citation report, SNIP, SIR, IPP, Cite score Metrices: h-index, g index, i10 index, altimetric  Means of communicating scientific data: Necessity of Society meetings, journals, journal policies, journal sections  Means of communicating scientific data: Necessity of Society meetings, journals, journal policies, journal sections  Means of communicating scientific data: Necessity of Society meetings, journals, journal policies, journal sections  Means of communicating scientific data: Necessity of Society meetings, journals, journal policies, journal sections  Means of communicating scientific data: Necessity of Society meetings, journals, journal policies, journal sections  Means of communicating scientific data: Necessity of Society meetings, journals, journal policies, journal sections  Means of communicating scientific data: Necessity of Society meetings, journals, journal policies, journal sections  Means of communicating scientific data: Necessity of Society meetings, journals, journal policies, journal sections  Means of communicating scientific data: Necessity of Society meetings, journals, journal policies, journal sections  Means of communicating scientific data: Necessity of Society meetings, journals, journal policies, journal sections  Teaching: 1 hr  T		misrepresentation of data		3	
Software tool to identify predatory publications developed by SPPU. Journal finder / journal suggestion tools viz. JANE, Elsevier Journal Finder, Spring Journal Suggester, etc.  The working of scientific establishment, research funds, how to write a proposal, and periodic reports. Complaints and appeals for violation of Scientific and Publication misconducts: give some examples of fraud from India and abroad to explain  How to make effective oral and poster preparation. Impact factor of journals as per Journal citation report, SNIP, SJR, IPP, Cite score Metrices: h-index, g index, i10 index, altimetric  Means of communicating scientific data: Necessity of Society meetings, journal, policies, journal sections  Means of communicating scientific data: Necessity of Society meetings, journal, policies, journal sections  Means of the topics from section 1-7, students will give a presentation of at least 10 minutes each (topics will be floated by all Instructors)  Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activ	4	public libraries, Indexing databases Citation databases: Web of Sciences, Scopus, etc. Software tools: Use of plagiarism software like Turnitin, Urkund and other open source software Software tool to identify predatory publications developed by SPPU. Journal finder / journal suggestion tools viz. JANE, Elsevier Journal	Discussion: 0.5 hr	Thursday	
funds, how to write a proposal, and periodic reports. Complaints and appeals for violation of Scientific and Publication misconducts: give some examples of fraud from India and abroad to explain  How to make effective oral and poster preparation. Impact factor of journals as per Journal citation report, SNIP, SJR, IPP, Cite score Metrices: h-index, g index, i10 index, altimetric  Means of communicating scientific data: Necessity of Society meetings, journals, policies, journal sections  Means of communicating scientific data: Necessity of Society meetings, journals, pournal policies, journal sections  Teaching: 1 br Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Thursday  11:00 AM – 01:00 PM  Dr. Kavita Pandey  Dr. Kavita Pandey  Dr. Kavita Pandey  All instructors  All instructors				Thursday	
Scientific and Publication misconducts: give some examples of fraud from India and abroad to explain  6	5	funds, how to write a proposal, and periodic reports. Complaints and appeals for violation of Scientific and Publication misconducts: give some examples of fraud from India and abroad	Discussion: 1 hr	Thursday	
How to make effective oral and poster preparation. Impact factor of journals as per Journal citation report, SNIP, SJR, IPP, Cite score Metrices: h-index, g index, i10 index, altimetric  Means of communicating scientific data: Necessity of Society meetings, journal policies, journal sections  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Thursday  11:00 AM – 01:00 PM  Dr. Kavita Pandey  Dr. Kavita Pandey  Thursday  11:00 AM – 01:00 PM  All instructors				Thursday	
Means of communicating scientific data: Necessity of Society meetings, journals, journal policies, journal sections  Means of the topics from section 1-7, students will give a presentation of at least 10 minutes each (topics will be floated by all Instructors)  Group Activity: 2 hr  11 November 2021 Thursday 11:00 AM – 01:00 PM  18 November 2021 Thursday 11:00 AM – 01:00 PM  25 November 2021 Thursday 11:00 AM – 01:00 PM  25 November 2021 Thursday 11:00 AM – 01:00 PM  26 December 2021 Thursday 11:00 AM – 01:00 PM  All instructors 11:00 AM – 01:00 PM	6	preparation. Impact factor of journals as per Journal citation report, SNIP, SJR, IPP, Cite score	Discussion: 0.5 hr	Thursday 11:00 AM – 01:00 PM	– Dr. Pralay K Santra
Means of communicating scientific data: Necessity of Society meetings, journals, journal policies, journal sections  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Teaching: 1.5 hr Discussion: 0.5 hr Group Activity: 2 hr  Thursday 11:00 AM – 01:00 PM  25 November 2021 Thursday 11:00 AM – 01:00 PM  Pinal Seminar  Based on the topics from section 1-7, students will give a presentation of at least 10 minutes each (topics will be floated by all Instructors)  All instructors				Thursday	
Policies, journal sections  Policies, journal sections  Discussion: 0.5 hr Group Activity: 2 hr  Pinal Seminar  Based on the topics from section 1-7, students will give a presentation of at least 10 minutes each (topics will be floated by all Instructors)  Por. Kavita Pandey  25 November 2021  Thursday  11:00 AM – 01:00 PM  All instructors  All instructors	7	Necessity of Society meetings, journals, journal	Discussion: 0.5 hr	Thursday	Dr. Kavita Pandey
Seminar will give a presentation of at least 10 minutes each (topics will be floated by all Instructors)  2 hrs.  Thursday 11:00 AM – 01:00 PM				25 November 2021 Thursday	
	Final Seminar	will give a presentation of at least 10 minutes	2 hrs.	Thursday	All instructors
Final Exam 2 hrs. 16 December 2021		,	2 hrs.	16 December 2021	

## \* Notes:

<sup>(1)</sup> The *Group Activity* could be in the form including group discussion or seminar or group writing or a combination of these and for the section will be decided by the particular instructor.

<sup>(2)</sup> This section involves an external resource person as well and thus Dr. Nayana will be informing the actual date and time.