



Office of Academic Research

Details of the Research Scholar					
Name	DHIVYA G			Register No.	24PDT0002
Programme	Ph. D (Deep Tech)	School	SBST	Category	IFT
Topic of Research	A study on the detection and validation of Protein-Protein Interaction Inhibitors for Cystic Fibrosis treatment using Machine Learning-driven virtual screening approach				

Details of Mandatory Course				
COURSE TITLE:		Research and publication ethics PRMC001L		
Credit Structure		L	T	P
		2	0	0
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 Publication, 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 copy right & Self archiving policies 3. Software tool to identify predatory publications developed by SPPU Journal finder/ Journal suggestion tools Viz. JANE, Elsevier journal finder, Springer, Journal suggerter 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				
References 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 (p. 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

Approval

S.No	Name of the Member	Role	Signature
1.	Dr. ABILASH V G	Dean Nominee	
2.	Dr. RM. VIDHYAVATHI	External Member	
3.	Dr. C. JAYAPRAKASH	External Member	
4.	Dr. KUMAR K	Internal Member	
5.	Dr. MANOOV R	Guide	