

Office of Academic Research

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| 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** | | | | |

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| **Details of Mandatory Course** | | | | | |
| **COURSE TITLE:** | **Research and publication ethics PRMC001L** | | | | |
| **Credit Structure** | | **L** | **T** | **P** | **C** |
| **2** | **0** | **0** | **2** |
| **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 suggester 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: Webof 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 | | | | | |

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| **Approval** | | | |
| **S.No** | **Name of the Member** | **Role** | **Signature** |
|  | Dr. ABILASH V G | Dean Nominee |  |
|  | Dr. RM. VIDHYAVATHI | External Member |  |
|  | Dr. C. JAYAPRAKASH | External Member |  |
|  | Dr. KUMAR K | Internal Member |  |
|  | Dr. MANOOV R | Guide |  |