



Bharathiar University

State University | "A++" Grade by NAAC | 26th Rank in MoE-NIRF
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Dr P. P VIJAYA Professor Department of Nanoscience and Technology Bharathiar University Tamil Nadu E-mail: vijayaparthasarathy@buc.edu.in Phone: 9840868328 Office Number: 0422-2428429	
Research Area • Nanogenotoxicity • Nanodrug Co delivery system(NDCDS) • Cancer therapeutics, and Bioimaging • Nanofibers for Drug Delivery • Preventive Genetics	Courses Teaching • Cell and Molecular Biology • Genetics and Nanobiotechnology • Pharmaceutical Biotechnology • Environmental Biotechnology • Toxicology • IPR, Biosafety and Research Ethics • Advances in Nanobiotechnology • Nanodevices and Applications • Practical methods in Nanotoxicology and Molecular Genetics (Value added Course) • Nanotoxicology – Risk Assessment and Management (Certificate Course)
Research Experience:	Teaching Experience:
Research Credentials (as on April 2024 – Source: Google scholar) H-index: 10 Citations: 447 i10-index: 12	
Patents : Granted: 1 Filed: 1	
Publications International Journals: 6	
Visits 1. 4th International Workshop on Cancer Genetic & Cytogenetic Diagnostics -) 2. Asia Pacific Cancer Leader's Summit 8th General Assembly -)	
Publications International Journals - 6 6. Cellular and Chromosomal Interaction of Bio-Synthesized Copper Oxide Nanoparticles Induced Nano-cytotoxicity and Genotoxicity Toxicology In Vitro/ Volume 104/ April 2025/ 106000, https://doi.org/10.1016/j.tiv.2024.106000 (December 2024) Prabu Velumani, Naveen Palani, Antalín Casimé A, Rajeswari Senthilvel, Vijaya Parthasarathy 5. Synthesis, Characterization and In-Vitro Toxicity Assessment of Superparamagnetic Iron Oxide Nanoparticles for Biomedical Applications Journal of Nano Biomedicine and Engineering, 2022, Volume 14 Issue 3, September 2022, Pages 201-207, DOI: 10.5101/nbe.v14i3.p201-207 (September 2022) Sivaranjani Sivalingam , Mahalakshmi Santhanakrishnan , Vijaya Parthasarathy	



4. Biological investigation of chromium-doped cobalt oxide nanoparticles against HeLa cancer cell lines

Journal of Materials Science, Springer publications, July 2022, Journal of Materials Science, 57(27):1-9, DOI: 10.1007/s10853-022-07432-0 (July 2022)

Sivaranjani Sivalingam, Vijaykumar Murugan, P. P. Vijaya.

3. Evaluation of In - vitro hemolytic and antimicrobial activity of Titanium dioxide (TiO₂) Nanoparticles by Hydrothermal method

Journal of Nano Biomedicine and Engineering, January 2021, Nano Biomedicine and Engineering, 13(1), DOI: 10.5101/nbe.v13i1.p36-43 (March 2021)

Mahalakshmi S, Vijaya P.P

2. Fabrication, Toxicity and biocompatibility of Sesamum indicum infused graphene oxide nanofiber- a novel green composite method

Journal of Applied Nanoscience, Springer publications, 2021, DOI:10.1007/s13204-020-01596-4, Corpus ID: 227133626 (February 2021)

Sivaranjani Sivalingam, Arya Kunhilintakath, Ponpandian Nagamony, Vijaya Parthasarathy

1. In Vitro Biocompatibility and Antimicrobial activities of Zinc Oxide Nanoparticles (ZnO NPs) Prepared by Chemical and Green Synthetic Route— A Comparative Study

Journal of BioNanoscience, Springer publications, BioNanoScience (2020) 10:112-121, <https://doi.org/10.1007/s12668-019-00698-w> (November 2019)

Mahalakshmi S, Hema N, Vijaya P.P

Patents

Granted - 1

1. Sesamum Indicum Seeds Infused Titanium Dioxide/Graphene Oxide Nanocomposite for Biomedical Application 01-2023 532811/202341001718 Dr., P.P.VIJAYA, S.SIVARANJANI

Filed - 1

1. Vinblastin-Loaded Iron Oxide Nanocomposite Nanofiber for Biomedical Application 01-1970 202341064904 Dr., P.P.VIJAYA, S.SIVARANJANI