KRISTU JAYANTI
(DEEMED TO BE UNIVERSITY)
Under Section 3 of UGC Act 1956
A CMI INSTITUTION | BENGALURU | INDIA

Centre for Research & Development

Research Supervisor (Guide) Profiles
Discipline of Supervision: Biochemistry

Dr. Vineetha V P

Assistant Professor
Department of Life Sciences
School of Biological and Forensic Sciences

Areas of Specialisation:

Environmental Toxicology (Nanoplastics, Heavy metals), Cardiovascular Toxicology, Phytomedicine, Nanomedicine,

Dr. Vineetha V.P. is a distinguished Assistant Professor of Biochemistry in the Department of Life Sciences, with 16 years of expertise in clinical biochemistry and toxicology. She holds an M.Sc. and Ph.D. in Biochemistry, with her doctoral thesis on arsenic trioxide-induced cardiotoxicity and its amelioration, and has qualified the CSIR-NET. Her research spans tissue engineering, environmental toxicology (nanoplastics, heavy metals), phytomedicine, nanomedicine, and animal health management. A highlight of her career includes contributing to the Nobel Peace Prize-winning climate change network project and the commercialization of Cholederm, India's first indigenous Class-D medical device for wound healing, demonstrating significant translational research impact. She has completed three postdoctoral fellowships, including the Chief Minister's Post-Doctoral Fellowship. Dr. Vineetha holds both international and Indian patents and has authored 32 publications with over 800 citations, an h-index of 14, and an i10-index of 16. She has been an active editorial board member for Cardiovascular Toxicology (Springer, IF 3.7) since 2019. Her vision is to establish an interdisciplinary hub for innovative, ethical, and translational scientific advancement, integrating nanotechnology and fostering research collaborations. She has also served as adjunct and guest faculty at multiple institutions, teaching biochemistry and specialized courses such as "Fish Virology and Cell Culture," and has mentored master's students with a focus on high-impact research and competitive funding.

Selected Publications:

1. Das, B. C., **Vineetha, V. P.**, Pillai, D., and V. J., R. K. (2025). Bioaccumulation and sub-chronic toxicity of microplastic environmentally relevant concentrations in Etroplus suratensis brackish water fish. Ecotoxicology, 34(7), 1228–1243. https://doi.org/10.1007/s10646-025-02914-8

2. Peter, N., Pradhan, C., Dileep, N., **Vineetha, V. P.**, Das, S., and Mohanta, K. N. (2025). Effect of dietary taurine along with the different lipid levels on growth, antioxidant, innate immune responses, digestive, metabolic enzyme activity and health status of pangasius (Pangasianodon hypophthalmus). Aquaculture Science and Management, 2(1). https://doi.org/10.1186/s44365-025-00014-6

3. **Vineetha, V. P.**, Tejaswi, H. N., Sooraj, N. S., Das, S., and Pillai, D. (2023). Implications of deltamethrin on hematology, cardiac pathology, and gene expression in Nile tilapia (Oreochromis niloticus) and its possible amelioration with Shatavari (Asparagus racemosus). Veterinary Research Communications, 48(2), 811–826. https://doi.org/10.1007/s11259-023-10251-6