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. S Vijayanand

Professor
Department of Life Sciences
School of Biological and Forensic Sciences

Areas of Specialisation:

Metabolic Biochemistry, Medicinal Chemistry, Clinical Biochemistry,Enzymology,

Dr. Vijayanand S is a Professor and Dean of the School of Biological and Forensic Sciences at Kristu Jayanti University, Bengaluru. He completed his Master's in Biochemistry from Periyar University and earned his Ph.D. from Bharathiyar University, Coimbatore, and qualified NET in 2001. With 23 years of teaching experience at both undergraduate and postgraduate levels, he has made significant contributions to education and research. His research primarily focuses on phytochemical and bioactive analysis of ethnomedicinal plants, with a specialization in Plant Biochemistry and Biotechnology. He has successfully completed three minor research projects funded by Kumar Organics Pvt. Ltd., the Tamil Nadu State Council for Science and Technology, and Bodhi Niketan Trust. His scholarly contributions include 28 research articles in national and international peer-reviewed journals, 3 patents, 2 authored books, and 1 book chapter. He actively serves on editorial boards, including as an Advisory Board Member for the European Journal of Pharmaceutical and Medical Research and as part of the editorial team for the Kristu Jayanti Journal of Core and Applied Biology. He has been a resource person at numerous national and international conferences, seminars, and guest lectures organized by reputed institutions. He also contributes to academic governance as a Board Member for BoE and BoS of various institutions and has served on doctoral program boards at Anna University, Chennai; Periyar University, Salem; and Kannur University.

Selected Publications:

1. Nadar, N. R., Deepak, J., Sharma, S. C., Krushna, B. R. R., Sridhar, C., Sahu, S., **Vijayanand, S**., … Nagabhushana, H. (2025). A dual-purpose electrode material for voltametric quantification of uric acid and supercapacitor performance using dysprosium-doped CaZrO3. Microchemical Journal, 211, 113081. https://doi.org/10.1016/j.microc.2025.113081

2. Nadar, N. R., Deepak, J., Sharma, S. C., Radha Krushna, B. R., **Vijayanand, S**., Elayakumar, S. T., … Nagabhushana, H. (2025). A newer electrochemical technique to use europium-doped CaZrO3 nanoparticles: Dopamine sensing and energy storage application. Inorganic Chemistry Communications, 171, 113552. https://doi.org/10.1016/j.inoche.2024.113552

3. Pruthviraj, I. S., Radha Krushna, B. R., Sharma, S. C., Shanmuganathan, S., Ray, S., Krithika, C., **Vijayanand, S**., … Nagabhushana, H. (2025). Sustainable synthesis of PVA@ZnO:Ga3+ nanocomposite films for UV shielding, food preservation, shape memory and anti-counterfeiting applications. Inorganic Chemistry Communications, 171, 113533. https://doi.org/10.1016/j.inoche.2024.113533