



## Centre for Research & Development

### Research Supervisor (Guide) Profiles

#### Discipline of Supervision: **Statistics**



#### **Dr. Yuvaraj V**

Associate Professor  
Department of Physical Science  
School of Computational, & Physical Sciences

#### **Areas of Specialisation:**

Biostatistics, Acceptance sampling, Psychometrics, Applied Statistics

Dr. Yuvaraj V is a statistician who has made significant contributions to both theoretical and applied research. His areas of specialization include acceptance sampling, biostatistics, and psychometrics. In the domain of psychometrics, his work focuses on measuring and analysing behavioural constructs, particularly in organizational settings, to understand the factors influencing employee performance and workplace behaviour. His research in acceptance sampling involves the development of efficient and cost-effective sampling strategies through the evaluation of probability models, optimal sample sizes, and acceptance–rejection criteria, making his work highly relevant to industrial applications and quality control. Additionally, He applies biostatistical techniques to support evidence-based practices and data-driven decision-making in medical and health-related research. His multidisciplinary approach integrates statistical modelling with practical healthcare challenges. Through his research, teaching, and mentorship, He continues to advance interdisciplinary scholarship while fostering the next generation of researchers.

#### **Selected Publications:**

1. Dhandapani, S., Afshan, K., Shreya, S., Vincy, C. L., **Yuvaraj, V.**, & Krithika, V. (2024). Dietary Intake, Lifestyle Factors, and Metabolic Risk: Insights from Health Check-Ups at a Private Healthcare Facility in Coimbatore, India. *Amerta Nutrition*, 8(4), 632–641. <https://doi.org/10.20473/amnt.v8i4.2024.632-641>
2. Catherine L. Vincy, Dhandapani Shanthi, **Yuvaraj, V.**, (2024), Lifestyle-Related Behaviours and Stress Levels among Police Personnel in Chennai, Tamilnadu. *International Journal of Biology, Pharmacy and Allied Sciences (IJPAS)*, 13(4). <https://doi.org/10.31032/IJPAS/2024/13.4.7931>
3. Dhandapani, S., **Yuvaraj, V.**, Narendran, S., Sharma, A., Vincy, C. L., Afshan, K., Premagowri, B., & M, A. (2025). Influence of Sociodemographic, Dietary and Clinical Factors on The Risk of Diabetic Retinopathy among Type 2 Diabetic Patients. *Amerta Nutrition*, 9(4), 657–666. <https://doi.org/10.20473/amnt.v9i4.2025.657-666>