

Education

- 2019–Present : **PhD**, Department of Plant Science, University of Hyderabad, Hyderabad
- 2017–2019 : **MSc**, Plant Biology and Biotechnology, University of Hyderabad, Hyderabad
CGPA: **8.8/10**
- 2014–2017 : **BSc**, Botany, Kannur University, Kerala , CGPA: **9.153/10**

Research Experiences

- 2019–Present **Phd**, University of Hyderabad
Area of work **Planctomycetes associated with algae**
Supervisor **Prof. Ch. Venkata Ramana**
- 2018–2019 **MSc Project**, University of Hyderabad
Dissertation **Diversity of anammox Planctobacteria across the eastern regions of India**
Supervisor **Prof. Ch. Venkata Ramana**
- 2016–2017 **BSc Project**, Kannur University
Dissertation **Biochemical analysis of road side plants and their response to vehicular pollution**
Supervisor **Dr. K N Ajoy Kumar**

Technical skills

- Microbial cultivation and characterization: Isolation and maintenance of microbial cultures, Substrate utilization tests, Polar lipid analysis
- Imaging techniques: Basic knowledge in Confocal microscopy, Fluorescent insitu hybridization, Scanning electron microscopy.
- Biochemistry: Basic knowledge in assays of proteins, sugar and enzymes
- Molecular biology: DNA/RNA isolation, Agarose gel Electrophoresis, PCR amplification
- Genomics and Computational: Nucleotide sequence alignment using BLAST, EzBioCloud, Phylogenetic tree construction using MEGA 7, Genome annotation
- Metagenomics: Mothur, MG-RAST
- Software: Microsoft Word, Excel, Latex and PowerPoint

Publications

- [1] Gaurav Kumar, Uppada Jagadeeshwari, **Sreya, Pannikurungottu**, Ahmed Shabbir, Chintalapati Sasikala, and Chintalapati Venkata Ramana. A genomic overview including polyphasic taxonomy of *Thalassoroseus pseudoceratinae* gen. nov., sp. nov. isolated from a marine sponge, *Pseudoceratina* sp. *Antonie van Leeuwenhoek*, pages 1–14, 2022.
- [2] Gaurav Kumar, Dhanesh Kumar, U Jagadeeshwari, **Sreya, PK**, A Shabbir, Ch Sasikala, and Ch V Ramana. *Crateriforma spongiae* sp. nov., isolated from a marine sponge and emended description of the genus “*Crateriforma*”. *Antonie Van Leeuwenhoek*, 114(4):341–353, 2021.
- [3] Dhanesh Kumar, Kumar Gaurav, **Sreya, PK**, A Shabbir, Jagadeeshwari Uppada, Sasikala Ch, et al. *Gimesia chilikensis* sp. nov., a haloalkali-tolerant planctomycete isolated from chilika lagoon and emended description of the genus *Gimesia*. *International Journal of Systematic and Evolutionary Microbiology*, 70(6):3647–3655, 2020.

- [4] Ajoykumar KN and **Sreya PK**. Bio-monitoring of roadside plants and their response to vehicular pollution- A physiochemical appraisal. *International Journal of Advanced Research* 6,715-725, 2018.