

## CURRICULUM VITAE

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### **ACADEMIC QUALIFICATION (UNDERGRADUATE ONWARDS):**

	<b>Degree</b>	<b>Year</b>	<b>Subject</b>	<b>University/Institution</b>	<b>% of marks</b>
1.	BSc	2011	Microbiology	Goa University	67.6%
2.	MSc	2013	Microbiology	Karnatak University, Dharwad	75.8%
3.	Ph.D.	2022	Microbiology	Goa University	NA

### **QUALIFYING EXAMINATION:**

<b>Name of the examination</b>	<b>Name of the board</b>	<b>Subject</b>	<b>Percentage obtained</b>	<b>Cut off</b>
ICAR-NET-2019	Agricultural Scientist Recruitment Board	Agricultural Microbiology	52.89%	45%

### **EXPERIENCE:**

- ✓ 6 years of teaching experience in the Department of Microbiology, Government College of Arts, Science and Commerce, Khandola - Marcela Goa on contract basis.
- ✓ 6 years of research experience while pursuing Ph.D. degree at the Department of Microbiology, Goa University since September 2014 under the guidance of Prof. Sandeep Garg while availing UGC National Fellowship to pursue Ph.D.

#### **❖ Ph.D. title:**

Biodiversity and industrial potential of pigment-producing bacteria from coastal sand dunes of Goa.

### **RESEARCH ARTICLES:**

1. Shet, S.A., Garg, S. Plant Growth Promotion of *Vigna unguiculata* in Arid Sandy Soil Using Bacterial Species from Coastal Sand Dune. *Agric Res* (2022).  
<https://doi.org/10.1007/s40003-022-00613-y>
2. Shet, S.A., Garg, S. Prokaryotic diversity of tropical coastal sand dunes ecosystem using metagenomics. *3 Biotech* 11, 252 (2021). <https://doi.org/10.1007/s13205-021-02809-5>
3. Shet, S.A., Mohanty, A.K. & Garg, S. Bioprospect Study of *Streptomyces* Sp. Isolated From Coastal Sand Dunes. *International journal of biology, pharmacy and allied sciences.* 10(10) (2021). <https://doi.org/10.31032/IJPBAS/2021/10.10.5684>

#### **KNOWLEDGE OF SOFTWARES/APPLICATIONS:**

- 1) BioEdit (editing sequences)
- 2) MEGA (constructing Phylogenetic tree)
- 3) R-Studio (Statistics, Heatmap, etc)
- 4) PAST (Biodiversity analysis)
- 5) Systat, SigmaPlot and Statistica (Biostatistics)
- 6) Origin (Plotting multidimensional plots)
- 7) MG-RAST (functional metagenomics)
- 8) NCBI - BLAST
- 9) CLUSTALW etc.

#### **KNOWLEDGE OF TECHNIQUES:**

DNA extraction, PCR, qPCR, RT PCR, Electrophoresis, PAGE, TLC, Spectrophotometry, FTIR, Microscopy and Bacterial Culture Streaking.

#### **INSTRUMENTS HANDLING:**

PCR, qPCR, RT PCR, Electrophoresis, Spectrophotometer, Nanodrop, Gel documentation and pH meter.