# Curriculam Vitae

## Arti Amit Raval

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**PROFILE:** I have been serving in the Department of Microbiology, Shri J. S. Bhakta & Shri K. M. Bhakta Arts, Shri A. N. Shah Science & Shri N. F. Shah Commerce College since September 1998.

**Institutional Address:** Department of Microbiology, Shri J. S. Bhakta & Shri K. M. Bhakta Arts, Shri A. N. Shah Science & Shri N. F. Shah Commerce College, Kamrej Cross Roads, Surat 394185

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## Academic Qualifications & Experience

**Academic Qualifications**: Completed **Bacheler's degree** (B.Sc) from B.P Baria Science Inst. Navsari**, Master's degree** (M.Sc )from Gujarat University and earned **Doctorate (Ph.D)** from the Veer Narmad South Gujarat University in the subject of Microbiology.

Qualified: **CCC Certificate NIELIT, ICAR NET (ASRB) and GSET**

**Teaching Experience: Undergraduate:** 27 years **Postgraduate:** 16 years

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## Research Interests & Expertise

- Rhizosphere Technology & Soil Microbiology
- Environmental Impact of Pollutants & Phytoremediation (Root Zone Technology)
- Biodegradation of Environmental Pollutants
- Bioprospecting Valuable Products from Algae
- Abiotic Stress Tolerance via PGPR
- Plant-Microbe Interactions, PGPR for Sustainable Agriculture
- Biocontrol Strategies & Heavy Metal Tolerance in Rhizosphere Microbes

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## Academic and Research Contributions

- Participated in workshops and courses on Molecular Biology, Instrumentation, and Environmental Science.
- Participated and presented research papers in **22 national** and **International** conferences
- **Mentorship:** Successfully Guided **2 Ph.D**. and **44 Master's Degree Dissertation** students
- **Publications:** Published 24 research papers in reputed national and international journals
    - Joint editor of 2 books
    - Authored 1 book chapter

## Achievements and Awards:

- ✓ Conferred with Women Scientist Award at 9th Asian PGPR India Chapter National Conference 29th - 30th July, 2024 held at Dept. Of Botany, Bharathiar University Coimbatore, Tamil Nadu, India & APSSA, U.S.A
- ✓ Conferred Outstanding Women Researcher in PGPR at the 7th Asian PGPR International Conference for sustainable Agriculture on 23rd to 26th August, 2022, UPM Malaysia.
- ✓ Performed duty as a Rapporteur in the Technical session 8th APSSA at UHS Bagalkot, 19th -21st, September, India
- ✓ Performed duty as a Rapporteur for oral Presentation at ICSTS-2024
- ✓ Invited as a resource person for Fifteen day's crash course sponsored by N-BT-CBC and GSBTM, Gandhinagar, Gujarat on 8-12-2023.
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