



Objective

To excel at scientific research as an accomplished Microbiologist and give back to the society in every way possible through my passion for innovation

Personal Information

Name	Sujatha Srinivas
Address	2/209, Otto-Suhr-Strasse 22, Oldenburg 26131, Germany
Mobile	0176 80878664
E-Mail	sujatha.iyer02@gmail.com
Birthdate, Place	15.12.1991, Pune, India

Work Experience

Student research assistant

ICBM, Carl-von-Ossietzky University, Oldenburg
Research group: Biology of geochemical processes

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| 11/2016 – 12/2016 | <ul style="list-style-type: none">• Project: Linking exometabolome of selected pelagic organisms of the Roseobacter group to marine dissolved organic matter• Main tasks:
Perform fluorescence in situ hybridization to obtain cell counts of samples from bacterial cocultures via fluorescence microscopy |
| 05/2016 – 08/2016
03/2015 – 05/2015 | <ul style="list-style-type: none">• Project: Analysis of siderophore biosynthesis and its genetic regulation in <i>Phaeobacter inhibens</i> DSM 17395• Main tasks:
Detect siderophore production with different assays. Test growth conditions for induction of siderophore production and analyze various trigger factors. Identify the siderophore produced for characterization. Investigate function apart from iron-scavenging. Employed numerous physiology and molecular biology techniques. Worked with transposon mutants for overproduction of siderophores. Data analysis and presentation of research to the working group. |
| 10/2015 – 12/2015 | <ul style="list-style-type: none">• Project: Influence of quorum sensing system on gene expression of <i>Phaeobacter inhibens</i> T5• Main tasks:
Assist in construction of quorum sensing mutants. Perform PCR, gel electrophoresis, gel imaging and restriction enzyme digests. Routine laboratory tasks. Data analysis and presentation of research to the working group. |

- 10/2010 – 10/2011 *Marketing assistant in Red Bull Wings Team, India*
- Improve marketing strategy by driving product trial, winning new users and introducing existing users to new consumption occasions
- 09/2009 – 09/2010 *Event Management*
- Worked with various event management companies to organize national and international events in Hyderabad, India
 - World Telecommunication Development Conference, 2010

Education

- 10/2014 – 11/2016 *M.Sc. Microbiology*
 Carl-von-Ossietzky University, Oldenburg
 Courses studied:
- Microbial physiology, diversity and ecology
 - Molecular microbiology
 - Sequencing and sequence analysis
 - Functional proteomics
 - Techniques in aquatic microbial ecology
- Research Project 1: Quantitative analysis of chemotactic response of *Phaeobacter inhibens* T5 towards the antibiotic, tropodithietic acid
 Research Project 2: Influence of N-acylhomoserine lactone mediated quorum sensing and production of tropodithietic acid on exometabolome of *Phaeobacter inhibens* DSM17395
 Scholarship: Final Master Thesis scholarship awarded by University of Oldenburg
 Grade: 1,32
- 06/2013 – 05/2014 *M.Sc. Microbiology*
 Osmania University, Hyderabad, India
 Courses studied:
- Immunology
 - Virology and Medical bacteriology
 - Biochemistry and Enzymology
 - Antimicrobial agents and Chemotherapy
- Award: Rank topper in Microbiology
 Grade: 1,9
- 10/2010 – 05/2013 *B.Sc. Life Sciences*
 Osmania University, Hyderabad, India
- Majors: Microbiology, Genetics, Chemistry
 - Project: Phenotyping haptoglobins in blood for statistically relevant sample size by polyacrylamide gel electrophoresis
- Award: Rank topper in Genetics and Microbiology
 Final grade: 1,9

Conferences / Presentations and Summer Schools

- 07/2016 Summer school: Biosignatures and Search for Life on Mars, Iceland Institute: Nordic Network of Astrobiology and European Astrobiology

Campus

11/2015
Poster title: Novel role of the antiobiotic, tropodithietic acid, as a chemotactic signal in *Phaeobacter inhibens* T5
Conference: Collaborative Research Centre Transregio Roseobacter” (SFB TRR 51) conference, Braunschweig

Skills

OS, Software Microsoft Office, Windows, LINUX, Mac OS

Technical MATLAB, ARB, BioEdit, Sigma Plot, Ilastik and Cell Profiler, ACMEtool, Picolay, Pintail

Programming C, C++ (Basics)

Instruments and laboratory skills Light and fluorescence microscope, basics of SEM and TEM, PCR and gel electrophoresis apparatus, gel imaging system, RP-HPLC, basics of MALDI-TOF/TOF MS, FT-ICR-MS, Flow cytometer, Spectrophotometer, Fluorescence in situ hybridization

Languages English – fluent (written and spoken)
 German – A2 level
 Hindi – fluent (national language)
 Tamil – fluent (mother tongue)

Social Activities

Since 10/2014 Volunteer in IAESTE (International Association for Exchange of Students for Technical Experience) local committees at Universities of Oldenburg and Bremen

06/2012 – 05/2014 President of Social Science club at Osmania University. Organized awareness programs for social issues such as Waste disposal for clean environment and Child literacy.

01/2013 – 06/2013 Taught English and Mathematics to economically challenged children in Hyderabad, India

2010 Worked with World Wildlife Fund (WWF), India. Involved in campaigns for wildlife conservation, environmental cleanliness and sanitation

Awards

- Gold medalist in International, National and State level Karate championships
- Winner of the technical Paper Presentation conducted by Deccan branch of Royal Society of Chemistry, London, for the topic – ‘Green Chemistry’

- Awards in oratory activities (debates, elocutions, essays) conducted by Osmania University, Andhra Pradesh Forest department and other organizations

Interests

Reading, Travelling, Basketball, Swimming, Playing violin

References

Available on request

Oldenburg, 04.06.2016



SUJATHA SRINIVAS