



Dr Srivathsa Nallanchakravarthula

Assistant Professor
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Education

PhD in Biology (MICROBIAL ECOLOGY) SWEDISH UNIVERSITY OF AGRICULTURAL SCIENCES, Uppsala, Sweden	2009-2013
Masters in Science (MOLECULAR CELL BIOLOGY) UPPSALA UNIVERSITY, Uppsala, Sweden	2004-2006
Masters in Science (MICROBIOLOGY) KAKATIYA UNIVERSITY, Warangal, India	2001-2003
Bachelors in Science (MICROBIOLOGY) KAKATIYA UNIVERSITY, Warangal, India	1996-1999

Specialization

Microbiology

Professional/Teaching Experience

Assistant Professor
C G Bhakta Institute of Biotechnology
From September, 2014 – Till date
(1.4 years)

Research Interests

Microbial ecology (bacteria and fungi), Plant microbe interactions, Biofumigation, Arbuscular Mycorrhizal Fungi (AMF)



Research Experience

Research study: 'Fermentation technology and its applications in Industry' at Brilliant Industries limited, Patanchervu, Hyderabad, A.P, India **(May - June, 2002)**

Project Fellow: 'Estimation of m-calpain and Deletion analysis in Duchenne Muscular Dystrophy families' at Institute of Genetics and Hospital for Genetic Diseases, Hyderabad, India **(January - June, 2004)**

Dissertation: 'Viral replication site(s)/factories inside live host: Replication forks visualized in T4-infected in *Escherichia coli*' at Institute of Cell and Molecular cellbiology (ICM), Uppsala University, Sweden **(Sep, 2005 - Feb, 2006)**

Doctorate: 'Root-associated microbial communities of different Strawberry cultivars as influenced by soil type, *Verticillium dahliae* and biofumigation' at Swedish University of Agricultural Sciences, Uppsala, Sweden **(2009 - 2013)**

Worked as a **Forsknings assistant** from **November 24th 2008 - January 12th 2009** at Dept. of Forest Mycology and Plant Pathology (SLU, Sweden).

Worked as a **Postdoctoral research assistant** from **July 1st 2013 - December 2nd 2013** at Dept. of Forest Mycology and Plant Pathology (SLU, Sweden).

Creditable position

➤ As a Guiding Teacher/Teacher In-charge

Dissertation/M.Phil/PhD	Year/Semester	No of student
Master's thesis dissertation	2011-2012 (SLU, Sweden)	02
Master's thesis dissertation	2011-2013 (SLU, Sweden)	01
Master's thesis dissertation	2014- on going (UTU, India)	06
Master's thesis dissertation	2015- on going (UTU, India)	08

- Represented PhD students during the departmental meetings for two years during PhD education.
- Was invited as an opponent (pre-PhD defence) for a PhD student belonging to Faculty of Horticulture (SLU, Alnarp) on Nov 7th 2013.

Presentations

Professional/Research Training

- AM techniques workshop (TRACEAM summer school), 7th -9th April 2009, Munich, Germany.
- Advanced live cell imaging at University of Copenhagen, 20th-26th June 2013, Copenhagen, Denmark.



- Metagenomic approaches and data analysis, 6th – 8th Feb 2013, Netherlands Bioinformatics Centre (NBIC), Nijmegen, Netherlands.
- Microbial pathogens and biocontrol in a changing climate, 7th -11th Nov 2011, Geisenheim research centre, Geisenheim, Germany.
- Student member of S.G.M (Society of General Microbiologists), U.K (2001-2003).
- Member of A.M.I (Association of Microbiologists of India), India (2001-2003).
- Member of YEBN (Young European Biotechnology Network), E.U (till date).
- Member of Nordic Association of Agricultural Scientists, Sweden (2009-2013).

Oral/Poster Presentation

- Novel technologies for management of the beneficial and harmful microbes in the root system (AB-RMS no. 4), 11th Nov-5th Dec 2008, Tune, Denmark (poster).
- Multi-trophic interactions in soils (IOBC), 10th-13th June, 2009, Uppsala, Sweden (poster).
- Bacterial genetics and Ecology (BAGECO), 15th – 19th June, 2009, Uppsala, Sweden.
- Challenges in Sustainable Plant Protection in Strawberries (NJF), 10th- 11th November 2009, Alnarp, Sweden (poster).
- Bacterial genetics and Ecology (BAGECO), 28th-2nd June, 2011, Corfu, Greece (poster).
- Biotic soil factors and plant growth (NJF), 15th-16th March 2012, Ultuna, Sweden (oral).

Publications

INTERNATIONAL PUBLICATIONS

- Soil, But Not Cultivar, Shapes the Structure of Arbuscular Mycorrhizal Fungal Assemblages Associated with Strawberry. Santos-González JC, **Nallanchakravarthula S**, Alström S, Finlay RD. 2011. *Microbial Ecology* 62:25–35.
- Influence of Soil Type, Cultivar and *Verticillium dahliae* on the Structure of the Root and Rhizosphere Soil Fungal Microbiome of Strawberry. **Nallanchakravarthula S**, Mahmood S, Alström S, Finlay RD. 2014. *PLoS ONE* 9(10): e111455. doi:10.1371/journal.pone.0111455

BOOKS

Amaresan N, **Srivathsa N.Ch**, Jayakumar V, Bhagat S and Thajuddin N. 2015. Antimicrobial Compounds from Rhizosphere Bacteria and their Role in Plant Disease Management. In: Dhansekaran D, Thajuddin N and Panneerselvam A (Eds). *Antimicrobials: Synthetic and Natural Compounds*. CRC Press, Taylor & Francis. (Accepted). ISBN- 9781498715621.

OTHER DETAILS

- Higher Diploma in Software Engineering from APTECH, India (2000).
- Diploma in Industrial Safety from Indian Institute of Management & Technology, Chennai, India (2001).
- Human Participants Protection Education for Research Teams online course, sponsored by the National Institute of Health (2007).





Reversing Double Helix For Life

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- ICH-GCP training from Digvijay consultants, Hyderabad, India (2007).
- Nanotechnology sensitization programme from NSTC, Noida, India (2008).
- Received travel grant from FUR (the council for postgraduate studies, SLU, Sweden) for Bacterial genetics and Ecology (BAGECO) conference, 28th-2nd June, 2011, Corfu, Greece.
- Received certificate of proficiency with distinction on 'Climate Change Science and Negotiations' from SDSNEDU (December 2015).
- Awarded Student Sci-Tech grant from GUJCOST in December 2015.
- Received research grant for research promotion scheme from Uka Tarsadia University in December 2016.



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