



Dr. Suman Biyyani,
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Profile Summary

Dr. Suman pursued his **B.Sc. (Agriculture)** from ANGRAU and started his research career during **M.Sc. in Agricultural Microbiology** from PJTSAU, Rajendranagar, Hyderabad where he worked on “Isolation and characterization of *Pseudomonas fluorescens* from the rice fields for the biological control of *Rhizoctonia solani* causing sheath blight in rice”. He later pursued his **Ph.D. in Agricultural Microbiology** at PJTSAU, Rajendranagar, Hyderabad where he worked on “Characterization and screening of PGPR from saline soils of Telangana and field evaluation of efficient isolates on Greengram under saline stress conditions”. He has published 18 research publications and 2 books as an author.

Educational Qualifications

2013	B.Sc. (Ag.)	Acharya N.G. Ranga Agricultural University
2015	M.Sc. (Ag.) Agricultural Microbiology	Prof. Jayashankar Telangana State Agricultural University
2018	Ph.D (Ag.) Agricultural Microbiology	Prof. Jayashankar Telangana State Agricultural University

Teaching Interests

Principles of Microbiology, Forest Microbiology, Agricultural Microbiology, Soil Biology, Microbial Biotechnology and Food microbiology.

Research Areas

Bio-fertilizer production, Isolation and Characterization of PGPR.

Courses Taught

Agricultural Microbiology, Bio-fertilizer technology and Principles of Microbiology.

Awards/Fellowships

- Received UGC-RGNF award
- Qualified ASRB-NET (2015)
- Received best e-resource user award from the PJTSAU

Membership in professional bodies

- ✓ Lifetime membership in Association of Microbiologists of India.
- ✓ Lifetime membership in Asian PGPR society

Journal Publications

Biyyani Suman., Triveni,S., Latha,P.C., Srilatha, M and Durga Rani, CH.V. 2018. Salinity tolerant phosphorous solubilising bacteria from saline soils of Telangana. *Journal of Pharmacognosy and Phytochemistry*.7(6): 175-182.

Biyyani Suman., Triveni, S., Latha, P.C., Srilatha, M and Durga Rani, CH.V. 2018.Characterization and Screening of Salinity Tolerant Potassium Solubilizing Bacteria. *The J. Res. PJTSAU*. 46(2&3): 31-40.

Biyyani Suman., Vijaya Gopal, A., Subhash Reddy, R and Triveni, S. 2018. Cultural and Morphological Characterization of Native *Pseudomonasfluorescens* Isolates from Telangana. *International Journal of Pure and Applied Biosciences*. 6 (4): 592-597.

Biyyani Suman., Vijaya Gopal, A., Subhash Reddy, R., Triveni, S and Nissi Paul, M. 2017. Study the Efficacy of *Pseudomonas fluorescens* against Sheath Blight in Rice by *Rhizoctonia solani*.*International Journal of Current Microbiology and Applied Sciences*. 6(4): 2581- 2589.

Nissipaul, M., Triveni, S., Subhash Reddy, R and **Suman, B.** 2017. Novel Biofilm Biofertilizers for Nutrient Management andFusarium Wilt Control in Chickpea. *International Journal of Current Microbiology and Applied Sciences*.6(6): 1846-1852.

Biyyani Suman., Vijaya Gopal, A., Subhash Reddy, R., Triveni, S and Chari, K.D. 2016. Plant Growth Promoting Attributes of *Pseudomonas fluorescens* Isolated from Rhizosphere of Rice In Rangareddy District.*Pollution Research*. 35(1):91-97.

Biyyani Suman., Vijaya Gopal, A., Subhash Reddy, R and Triveni, S. 2015. Isolation and Characterization of *Pseudomonas fluorescens* from Rice Rhizospheric Soils of Rangareddy District in Telangana State.*Journal of Pure and Applied Microbiology*. 9(2): 339- 344.

Suman, B., Laxman rao, P., Srijan, A., Santosh, B and Rakesh, G. 2014. Jeevana eruvulu. *Rythu Bandhu*. 5(5): 24.

Biyyani Suman, T. Venu madhav, B. Santosh, M. Nissi paul and V. Nagendra. 2017. Single cell genome sequencing. *Readers shelf*.13(11): 44 – 45.

Chari, K.D., **Suman, B.**, Hari krishna,P.,Reddy, Y.S.K and Santosh, B. 2016. Plant growth promoting rhizobacteria.*Rythu Nestam*. 11(6): 48.

Laxman rao, P., **Suman, B.**, Srijan, A and Santosh, B. 2014. Boosara parikshavidanam avashakyatha. *Rythu Vani*. 11-12.

Shiva kumar, M., **Suman, B.**, Sai kumar, T and Srijan, A. 2014. Rabi loanukulamaina pranthalaku vari rakalu. *Rythu Bandhu*. 5(6): 54-55.

Laxman rao, P., Srijan,A., Santosh, B., **Suman, B** and Satish, C. 2014. Sendriyavyavasayam. *Rythu Bandhu*.5(6): 43-44.

Books/Book chapters/Bulletins Published

B. Rajeswari, V. Krishna rao, Srijan, Hirdayesh, Hansraj, Laxman and **Suman, B.** 2014. Mushroom cultivation technology. Acharya N.G. Ranga Agricultural University Press, Rajendranagar, Hyderabad.

B. Rajeswari, V. Krishna rao, Ramyashree, Srijan, **Suman, B.**, Laxman, 2014. Mushroom recipes. Acharya N.G. Ranga Agricultural University Press, Rajendranagar, Hyderabad.

B. Rajeswari, V. Krishna rao, Srijan, Laxman, Ranjith, **Suman, B** and Shiva kumar. Puttagodugula pempakam. Acharya N.G. Ranga Agricultural University Press, Rajendranagar, Hyderabad.

Abstracts / Papers in Symposia

Biyyani Suman, Triveni, S., Damodara chari, K and Sridevi, D. 2017. Magnetosomes relevance mechanism of formation and applications- a Review National symposium on Recent trends in green chemistry and technology, new mallepally, Hyderabad, on 27 & 28 february.

Biyyani Suman, Subhash Reddy R., Triveni, S and Chari, K.D. 2016. Pulses: not only removesmalnutrition, also promotes health of the planet. Pulses-2016: Innovative approaches for sustainability in production and promotion of utilization, University college for women, Koti, Hyderabad, 21 & 22 october, 2016.

Sridevi, D., **Biyyani Suman**, Triveni, S and Nissi paul, M. 2017. A review on sustainable agriculture. National symposium on Recent trends in green chemistry and technology, new mallepally, Hyderabad, on 27 & 28 February.

Chari, K.D., Trimurthulu, N., Subhash Reddy, R., Triveni, S., **Suman, B.**, Nagaraju, Y and Shravani, K. 2016. Plant growth promoting rhizobacterial (PGPR) biofertilizers for sustainable pulse crop production. Pulses-2016: Innovative approaches for sustainability in production and promotion of utilization, University college for women, Koti, Hyderabad, 21 & 22 October, 2016.

Triveni, S., Subhash Reddy, R., Chari, K.D., Sridevi, D., Nissi paul, M., **Suman, B** and Bhavya, K. 2017. Liquid microbial inoculants for agricultural crops- soil health and quality improvement. National symposium on Recent trends in green chemistry and technology, New Mallepally, Hyderabad, on 27 & 28 February.

Chari, K.D., Triveni, S., Subhash Reddy, R., Sridevi, D., **Suman, B.**, Nissi paul, M and Bhavya, K. 2017. Rhizosphere engineering for sustainable crop production. National symposium on Recent trends in green chemistry and technology, New Mallepally, Hyderabad, on 27 & 28 February.