

Curriculum Vitae

Dr. SRINIVAS PODETI

ASSISTANT PROFESSOR IN DEPARTMENT OF BIOTECHNOLGY

Professional Preparation:

University Arts & science Degree College, WGL, B.Sc. 1994
Kakatiya University, WGL, M.Sc.1996
Kakatiya University, WGL, Ph.D.2000

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Hanamkonda, Warangal-506009 Telangana State.
India

DATE OF BIRTH : 03th May 1973

TEACHING EXPERIENCE : 18 years

AREA OF TEACHING : Microbiology, Fermentation technology,
Environmental Biotechnology.

RESEARCH EXPERIENCE : **16 years**

AREAS OF RESEARCH INTEREST: Mycorrhizae, Mycology, Bioinoculants, Soil
microbial ecology, Fungal Ecology, Plant
microbe interactions, Agriculture Biotechnolgy
and Plant growth promoting rhizobacteria,

TITLE OF PH.D THESIS : VA-Mycorrhizae of Godavari belt forest with reference
to two Forest tree species

Number of National and International Seminars attended

INTERNATIONAL : 04

NATIONAL : 08

Workshops : 03

CONFERENCES ATTENDED:

INTERNATIONAL AND NATIONAL

International Conference on New frontiers in Chemical, Energy and Environmental Engineering (INCEEE - 2015). 20th–21st March 2015. Organized by Department of Chemical Engineering, National Institute of Technology, Warangal (TS) INDIA.

International Conference on Biotechnology in Human Welfare. 7th–9th February 2013. Organized by Department of Biotechnology, Kakatiya University, Warangal (TS) INDIA.

International Conference on Biotechnology: "A Global Scenario". 2nd – 4th November 2010. Organized by Department of Biotechnology, Kakatiya University, Warangal (TS) INDIA.

International Conference on Plant Biotechnology and Molecular Biology. 15th – 17th August 2008. Organized by Department of Biotechnology, Kakatiya University, Warangal (TS) INDIA.

National Science Congress on Innovations in Science and Technology for Emerging Knowledge Society. From 14th to 16th November, 2013 organised by University of Hyderabad and Andhra Pradesh Akademi of Science (TS), India.

National Seminar on Biotechnology in Life Sciences Current Trends and Development 18th to 19th 2009. Organized by Department of Zoology, Kakatiya Government Degree & P.G College, Warangal (A.P.) INDIA.

National Conference on Plant Biotechnology 2nd to 3rd 2008. Organized by Department of Botany, Kakatiya University, Warangal (A.P.) INDIA.

National Conference on Current Trends in Plant Sciences 24th to 25th March 2008. Organized by Department of Botany, Kakatiya University, Warangal (A.P.) INDIA.

National Conference on Recent Advances in Plant Sciences 5th to 6th February 2007. Organized by Department of Botany, Kakatiya University, Warangal (A.P.) INDIA.

National Workshops:

National workshop on EMERGING TRENDS IN GENETIC ENGINEERING (ETGE 2013). 27th to 29th December. Organized by Department of Biotechnology National Institute of Technology (NIT) Warangal. INDIA.

workshop on EMERGING MEDICAL Diagnostics and Microbiological Analysis of potable water & Food.. 11th to 13th August, 2014. Organized by Department of Microbiology, Kakatiya Government College , Warangal. INDIA.

Workshop on Molecular and Photochemical Techniques in Plant Science 23rd to 28th January 2007. Department of Botany, Kakatiya University, Warangal (A.P.) INDIA.

Research Project on going and Completed:

Major Research Projects: Completed 03.

1. "Mass production, Evaluation and Commercialization of Bioinoculants for Agroforestry Nurseries". Funded by University Grant Commission, New Delhi. Government of India. (2011-2014) sanctioned amount Rs: 1001800/-
2. "Biodiversity of AM Fungi of forests of North Telangana (A.P.) and its exploitation in revegetation of disturbed coal mine spoils and overburdens." funded by Department of Biotechnology, Government of India (DBT), during 2015 -2018 Completed. sanctioned amount Rs: 3453200/-
3. "Identification of Arbuscular mycorrhizalfungi (Glomus) using taxon specific oligonucleotide primers." Funded by Department of Science and Technology (DST-SERB), Government of India during 2016-2020. sanctioned amount Rs: 3370000/-.

Number of Ph.D's produced under your guidance: 4

Administrative Experience:

1. Worked as Joint Director for Hostels - 2013-15
2. Chairperson, Board of Studies, Biotechnology - 2013-2015
3. Head, Department of Biotechnology, Kakatiya University, Warangal, May, 2015 -2017.

Research papers published:

1. Suresh Lapaka, Ramya Chouhan, Nagraj Alpula and Podeti Srinivas. "Enhanced Protease Production from *Rummeliibacillus Stabekisii* (TWSS-P-2) Strain through Mutagenesis and Optimized Culture Conditions." *International Journal of Pharmaceutical Sciences and Nanotechnology* 14, no. 4 (2021): 5557-5564.
2. Govindu Dayakar, Anusha Duvva, and Srinivas Podeti. "Mycorrhizae Applications in Sustainable Forestry." *Mycorrhizal Fungi-Utilization in Agriculture and Industry*. Intech Open, 2020.
3. Govindu Dayakar, Anusha Duvva, and Srinivas Podeti. "The impact of Arbuscular Mycorrhizal fungi on glomalin-related soil protein distribution and their relationship with soil properties of agroforestry plants in coal mine region of NorthTelangana." *Indian Phytopathology* 73.4 (2020): 737-740.
4. Nagaraju Alpula, Ramya Chouhan, Suresh Lapaka, Sinchan Benarjee⁴, Rajender Vadluri⁵, Podeti Srinivas*. Isolation, Molecular identification, and Characterization of Thermophilic Bacteria from Ushnagundala hot

- springs of Telangana State: *Bacillus* sp. ANRPSA3 as Potential Thermostable lipase producer. *Proteus Journal* (2020).
5. Ramya Chouhan, L. Suresh, A. Nagaraju and P. Srinivas*. Optimization and Molecular Characterization of Lipase Producing *Bacillus subtilis* Strain Rcps3 and *Bacillus fumarioli* Strain Rcps4 from Oil-contaminated Soils of Warangal. *J Pure Appl Microbiol.*(2020);14(3).
 6. Ramya chouhan, Nagaraju Alupula, Suresh Lapaka and Srinivas Podeti*. Isolation and Characterization of Lipase Producing *Bacillus Sonorensis* and *Bacillus Halotolerans* from Oil Contaminated Soil of North Telangana. *International Journal of Pharmacy and Biological Sciences-IJPBSTM* (2020) 10 (2): 01-16.
 7. Lapaka Suresh, Alpula Nagaraju, Ramya Chouhan and Srinivas Podeti*. Isolation and Molecular Characterization of Rummelii *Bacillus Stabekisii*: An Efficient Protease Producing Bacterial Strain Identified from Environmental Waste Samples of Warangal District in Telangana. *J. Pure Appl. Microbiol.*(2020) 14(1), 461-472.
 8. Govindu, Dayakar, Althaf Hussain, and Srinivas Podeti. "Effect of agronomic treatments on arbuscular mycorrhizal fungi under nursery conditions of Warangal." *The Journal of Indian Botanicalsociety* 99.1and2 (2020): 75-82.
 9. Dayakar Govindu, Althaf Hussain, Sharath Bellamkonda, Anusha Duvva and Srinivas Podeti "Distribution of Arbuscular Mycorrhizal Fungi in Coal Mine and Forest Soils of North Telangana" *Mycorrhizae news* vol 30 (4) 2019
 10. Anusha Duvva, Dayakar Govindu, Sharat Bellamkonda and Srinivas Podeti (2018) "Diversity of Arbuscular Mycorrhizal fungi in the Rhizosphere soils of four Agroforestry tree species of North Telangana. *Asian Jr.of Microbiol, Biotech, Env.Sc.*Vol.20 (Dec.supplementary Vol.No.2:pp s275-s281.
 11. SK althaf Hussain, Hussain Banoth, Dayakar Govindu and P.Srinivas (2017) "Characterization and evaluation of plant growth promoting Pseudomonas Isolated from rhizosphere of *Acacia nilotica* and *Albizia lebbek*. *Indian Agri.Resarch*;ISSN 0367-8245/online ISSN:0976-058X pp 1-7.
 12. Althaf Hussain Sk. and Srinivas P, Praveen kumar V (2014) "Effect of plant growth promoting bacteria on *Glomus aggregatum* activity and growth of *Albizia lebbek* (L. Benth)" *Biofert. News letter* Vol. 22 (2) 2014: 4-7.
 13. Althaf Hussain Sk. and Srinivas P*. (2013) "Evaluation of Plant Growth Promoting Traits By Pseudomonas And Azotobacter Isolated From Rhizotic Soils Of Two Selected Agroforestry Tree Species Of Godavari Belt Region, India." *Asian J. Exp. Biol. Sci.*VOL 4(3): 2013 : 431-436 .
 14. Althaf Hussain Sk. and Srinivas P*. (2013) "Association of Arbuscular mycorrhizal fungi and other rhizosphere microbes with different medicinal plants" *Res J. Biotech.*2013:8(6):24-29

15. Althaf . SK, Ilyas .Md, Srinivas .P*, Praveen Kumar .V, Suneel .B, Baby Rani .P (2012)“Optimization Of Lactase Production By Submerged Fermentation Using *Aspergillus Oryzae*” *Int. J. Biol. Phrm. Res.* 2012; 3(6): 743-746
16. P. Srinivas, S. Ram Reddy and S.M. Reddy (2012). Effect of AM fungi on soil-borne pathogens and growth and development of two agro forestry tree species. *Proceeding of the National Conference on Microbial Diversity, Exploration and Bioprospecting* conducted by Department of Microbiology, , Eds. S.Ram Reddy, M.A. Singaracharya and S. Girisham, Kakatiya University pp. 567-574.
17. P. Srinivas, G. Laxma Reddy, S. Ram Reddy and S.M. Reddy (2010). Influence of Industrial Pollutants on AM colonization and growth of *Acacia nilotica* (L) Wild Ex.Del. *Proc. Nat. Acad. Sci, India, Sec.B. Vol. 80 (Part-I), 2010.* pp 51-55
18. P. Srinivas, S. Ram Reddy and S.M. Reddy (2010). Interaction of different AM fungi and its influence on the growth and development of two agro forestry tree species. *Ad. Plant Sci. 23 (II)* pp. 435-437, 2010
19. P. Srinivas, S. Ram Reddy and S.M. Reddy (2010). Influence of growth promoting bacteria on *Glomus fasciculatum* activity and development of two agro forestry trees species. *Ad. Plant Sci. 23(II)* pp. 415-417, 2010.
20. P. Srinivas, V. Krishna Reddy, S. Ram Reddy and S.M. Reddy (2007). Influence of agrochemicals on arbuscular mycorrhizae colonization and growth performance of two agro forestry tree species. *Geobios* 34: 290-292.
21. P. Srinivas, V. Krishna Reddy, M.S. Rao, S. Ram Reddy and S.M. Reddy (2006). Seasonal variation of AM fungi in the Rhizosphere soil of two agro forestry trees of Godavari belt. *Jr. Basic. Appl. Mycol.* 5 (I&II) 115-177, 2006.
22. P. Srinivas, G.L. Reddy, M.S. Rao and S.M. Reddy (2006). Mycorrhizal dependency of two multipurpose tree species in coal mine soils. *Proceedings of the National Conference on Mycorrhiza* (Editors Anil Prakash and V.S. Mehrotra Barkathulla University, Bhopal) Scientific Publishers, Jodhpur, pp. 15-19.
23. P. Srinivas, S. Ram Reddy and S.M. Reddy (2006). Influence of AM fungi and Rhizobium on the growth and development of two agro forestry tree species. *Bioinflowlet*, 3(2): 114-116.
24. P. Srinivas, M.S. Rao, S. Ram Reddy and S.M. Reddy (2005) AM Status of 5 Industrial polluted soils in relation to *Enterolobium saman* Merr. *J. Soil Biol.* 25(1 & 2): 110-115.
25. P. Srinivas, G.L. Reddy, M.S. Rao, S. Ram Reddy and S.M. Reddy (2005).

- Influence of trace elements on AM fungal colonization and growth of two agro forestry trees. *J. Phytol. Res.*, 18:155-158.
26. P. Srinivas, S. Ram Reddy and S.M. Reddy (2005). AM fungi of coalmine soils of Godavari Basin and their role in revegetation by *Albizia lebeck*. *J. Mycol. Pl.Path.*, 35: 398-402.
 27. P. Srinivas, S. Ram Reddy and S.M. Reddy (2001). Effect of VAM inoculants on growth and development of *Albizia lebeck* (L) Benth. *Frontiers of Plant Biotechnology*, 178-182, Kakatiya University Publications, Warangal.
 28. M.S. Rao, P. Srinivas, G. Laxma Reddy and S. Ram Reddy (2001). Arbuscular mycorrhizal dependency of two forest tree species in coalmine distributed soils. *Frontiers in Microbial Biotechnology and Plant Pathology*, pp. 291-293 (Editors: C. Manohara Chary, D.K. Purihit, S. Ram Reddy, M.A. Singara Charya and S. Girisham), Scientific Publishers, Jodhapur.
 29. P. Srinivas, G. Laxma Reddy and S.M. Reddy (2000). Influence of industrial soil pollutants on VAM infection, nodulation and growth of *Albizia lebeck* L. (Benth). *Proceedings of Wasteland Management and Environment*, pp. 233-238 (Editors, A.K. Roy and S.K. Varma Scientific Publishers, Jodhapur.
 30. P. Srinivas, S.Ram Reddy and S.M. Reddy (2000). Building up of native VAM fungi through stock plants and its effect on growth of two forest trees. *Proceedings of International Conference on Microbial Biotechnology Trade & Public Policy*, Department of Microbiology, Osmania University, Hyderabad.
 31. P. Srinivas, M.S. Rao, S. Ram Reddy and S.M. Reddy (1999). Dynamics of VAM fungi of Godavari belt forest. *Proceedings of National Symposium on "Perspectives in Biotechnology"*, 1999 (Ed. S.M. Reddy, Digamber Rao, Vidyavathi), Scientific Publishers, Jodhpur, pp. 23-28.
 32. P. Srinivas, M.S Rao, S. Ram Reddy and S.M. Reddy (1999). Vesicular arbuscular mycorrhizal dependency of *Albizia lebeck* (L.). Benth. *Proc. Nat. Acad. Set*, 69(B) II & IV: 337-342.
 33. P. Srinivas, S. Ram Reddy and S.M. Reddy (1998). Dynamics of vesicular arbuscular mycorrhizae in association with *Albizia lebeck*. *J. Indian Bot. Soc.*, 77: 245-246.