

PERSONAL PROFILE



NAME : **Dr.K.Jyothi**

DESIGNATION : Assistant Professor

QUALIFICATIONS : **M.Sc, PhD., Qualified in joint CSIR-UGC -NET**

ALMA MATER :

- Post Doctoral Fellowship: Under Dr. D.S. Kothari Scheme. PGPR Inoculants for Microbial Assisted Phyto- Rhizoremediation at University of Hyderabad (21-7-2010 to 25-12-2011)
- Ph.D in Applied Microbiology Department from Sri Padmavathi Mahila Visvavidyalayam, Tirupati (2005-2009).
- M.Sc. (Applied Microbiology) during 2000-2002 from Sri Padmavathi Mahila Visvavidyalayam, Tirupati with 61%.
- B.Sc. (Medical Lab Technology, Zoology, Chemistry) during 1997-2000 from Andhra University with 72%.
- Intermediate (Board Of Intermediate Education) with 72%.
- S.S.C. (School of Secondary Education) with 72%.

AWARDS & RECOGNITIONS :

- **Qualified Joint CSIR-UGC National Eligibility Test (NET) 2002, 2003 & 2004 for Lectureship in Life Sciences.**
- **2004-2006 Received Project Fellowship from Department of Biotechnology (DBT), New Delhi**

TEACHING EXPERIENCE :

- Worked as guest faculty in the department of Applied microbiology and Biochemistry SPMVV, Tirupati from 2004 to 2008.
- Working as Assistant Professor of Microbiology from 2011 December 26 to till date at Govt. Degree Colleges of Telangana State.

RESEARCH EXPERIENCE :

- Dr.DS.Kothari Post Doctoral Fellowship: PGPR Inoculants for Microbial Assisted Phyto-Rhizoremediation
- **Title of Ph.D Thesis: Study on Tricalcium phosphate mineralizing *Pseudomonas putida* biotypes from rhizospheric soils of groundnut (*Arachishypogaea*).**

RESEARCH INTEREST : Plant Microbial Interactions

PROJECTS : -

RESEARCH PAPERS :

1. **Jyothi, K.,** Vijaya Lakshmi, K., Surekha, R.M.,G.Narsimha., **2013.** Isolation and Screening of Phosphate Solubilizing bacterium from Soil. Bio-Technology Vol 7(1).
2. **Jyothi, K.,** Vijaya Lakshmi, K., Surekha, R.M., Aruna,S., Prasanna, N.D. Shaheen, S.K. and Shashikant, M. Isolation and characterization of P- Solubilizing *Pseudomonas putida* biotypes in two microbiological growth media (PKVS & NBRIP) from rhizosphere soils of groundnut in Tirupati. **Asian Jr. of Microbial Biotech.Env.Sc.2010 issue No (2).**
3. Aruna,S., Vijaya Lakshmi, K., Shashikant, M., Surekha, R.M., **Jyothi,K. 2008.** First report on Antimicrobial spectra of Novel strain of *Streptomyces tritolerance* (Strain AS1) isolated from earthworm gut (*Eisenia foetida*) against plant pathogenic bacteria and fungi. **Current Research in Bacteriology 1(2): 46-55.**
4. Surekha,R.M.,Vijaya,L.K.,SuvarnalathaDevi,P.,Jaya,M.R.,Aruna,S., **Jyothi,K.,Narasimha,G.and Venkateaswarlu, K. 2008.** Isolation and characterization of a chlorpyrifos degrading bacterium from agricultural soil and its growth response. **Afr. J. Microbiol.Res. 2:26-31.**
5. M.Surekha Rani, K.Vijaya Lakshmi, P.SuvarnaLatha Devi, R. Jaya Madhuri, S.HarithaDevi,**K.Jyothi. 2007.**Impact of chloripyrifos on soil enzyme activities in agricultural soil. **Asian Jr. of Microbiol. Biotech Env. Sc.Vol9, N0.(4): 295-300.**
6. S. Haritha Devi, K. Vijayalakshmi, K.Pavana Jyotsna, S.K.Shaheen,**K.Jyothi,** M.Surekha Rani. Comparative Assessment of Changes in Enzyme Activities and Microbial Populations during Normal Composting and Vermicomposting of Organic Wastes. **Journal of Environmental Biology. Vol.30.(6),2009(in press).**
7. Aruna,S., Vijaya Lakshmi, K., Shashikant, M., Surekha, R.M., **Jyothi,K.** Prasanna, N.D., Shaheen, S.K., Pavana Jyostna, K. and Vijaya Sai, L. 2009.Optimization of antibiotic compound produced by *Streptomyces tritolerance* (StrainAS1) isolated from earthworm gut (*Eisenia foetida*). **Asian Jr. of Microbial Biotech.Env.Sc. Vol.11, No(1), 77-82, 2009.**

Research Findings presented in Symposia / Conference / Workshops:-

- International e-Conference on Advances In Microbial Biotechnology and Bio Therapeutics[AMTB-2020], Department of Microbiology OU in association with CMFT-RUSA2.0 and AMI- Hyderabad Chapter, 10-12- September,2020.
- Presented paper in the topic 16s rRNA Gene Sequencing A TOOL for the identification of Bacteria at “Genomics A Gate Way To Future” on 18 th March 2015 organized by Department of Genetics and Genomics at YOGI VEMANA UNIVERSITY, Kadapa.
- Participated in AgriBiotech:First International Conference on Biotechnology for sustainable agriculture and Agro- Industry from 9th -11th March **2006**.
- **K.Jyothi** and Prof.K.Vijaya Lakshmi Participated and Presented Poster on “Mass cultivation of Phosphate Biofertilizer, Pseudomonas sps, using indigenous medium”. International Conference On Microbial Diversity April 16- 8-**2005**, Delhi.
- Participated in National Conference on MICROBIAL MILESTONES, organized jointly by Dept. of Microbiology, Centre for Biotechnology O.U and Association of Microbiologists of India (AMI) Hyderabad unit on 24th-25th January **2008**.
- Participated and presented poster in Association of Microbiologists of India 46th Annual Conference Micro-Biotech 2005, conducted by Department of Microbiology, Osmania University, and Hyderabad on 8th -10th December **2005**.
- **K.Jyothi**, Prof.K.VijayaLakshmi,B.L.Madhu Kiran. Oral presentation on “ Antimicrobial activity of aeglemarmelos (Bilva)”.National conference on Updates of Microbes in Environment March 29-30, **2005** ,Tirupati.
- Participated in 4thNational level Biological Congress on Biotechnology – A Boon To Humanity 28-29th Jan **2005**, Rasipuram,Chennai.
- **Work shop:** National Workshop on Essential Techniques of Gene Cloning, Organized by Dept of Applied Microbiology, Sri Padmavathi Mahila University, Tirupati, on 2 - 4 March **2006**.
- **Work shop:** National Workshop on Mathematical modeling in biology,Organized by Dept of Applied Mathematics, Sri Padmavathi Mahila University, Tirupati, on 23 - 27 Feb **2008**.

SEMINARS/ WORKSHOPS/ COFERENCES :

| S.No | Name of the Course | Name of the Sponsoring Authority | Duration |
|-------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------|-------------------------------------------------------------------|
| 1. | Two day Training Programme on NIPUNA | Commissionerate of College Education -HYD & RUSA | 22 nd & 23 rd April, 2016 |
| 2. | D-Sampada - Innovative online Teaching- Learning and Effective Content Management | Commissionerate of College Education -HYD & RUSA | 1 st June to 3 rd June 2017 |
| 3. | 2 day Workshop on U.G. CBCS Curriculum in Life Sciences | DRC, Mehabubnagar Dt. & Dr. B.R.R. Govt. Degree College, Jadcherla | 14 th and 15 th July 2017 |
| 4 | One day State Level workshop Hematology Techniques | Department of Microbiology | 21 st October 2017 |
| 5. | Refresher course in Life Sciences | UGC-HRDC-UOH | 17 th November to 7 th December 2017 |
| 6. | One Day National Workshop on Research Approaches and Methodology | ICSSR-SRC, Hyderabad, TARA College | 29 th March 2019 |
| 7. | FIP | UGC-HRDC- RUSA-OU | 7-9-2020 to 12-09- 2020 |
| 8. | National Webinar | Govt College for Women (A) Guntur By Dept.of Biochemistry | 30 th Sep 2020 |
| 9. | RC in Life Sciences | UGC-HRDC-OU | 5-10-2020 to 19-10- 2020 |

