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Name: Dr S. Shalini Devi

Department: Microbiology

Designation: Assistant Professor

Qualification: MSc (Microbiology), PhD (Biosciences)

Teaching Experience: 7 years

Areas of Interest: Agricultural Microbiology, Plant resistance

Publications:

1. S. Shalini Devi and P. Rajini (2021) First report on post harvest management of black mold of onion by eugenol fumigation. *South Asian Journal of Experimental Biology*(accepted)
2. G. Sai Krishna, S. Shalini Devi and K. Anuradha (2020) Siderophore production by indigenous bacillus isolate and its role in growth of *cicer arietinum* Plant archives, vol(20),1
3. Shalini Devi Suvala, Safiya & Rajini (2020). Bioprospecting Indigenous Drought Mitigating and Plant Growth-promoting Isolates for Chickpea Cultivation in Telangana, A Semi-Arid Region. *Biopesticides international*, 15 (2), 119-127.
4. S. Shalini Devi & K. V. Bhaskara Rao (2019). Defence Priming of Tomato Plants by *Streptomyces* Metabolites to Defeat *Corynespora cassiicola* and *Pseudomonas syringae* Infestations. *Environmental sustainability*, 2 (2), 189-198.
5. Shalini Devi. S & Sudha (2019). Exploration of food preservation potential of *Syzygium cumini* and *Actinidia deliciosa* seed extracts. *International Journal of Scientific Research in Biological Sciences*, 6, 111-119.
6. Shalini Devi. S & GSNR Tejaswini (2019). Screening of Acetamiprid Tolerant Plant Growth Promoting Microorganism. *International Journal of Scientific Research in Biological Sciences*, 6, 120-124.

7. Satheesh P, Shalini Devi. S & K Preethi (2018). Spectroscopic studies, Antioxidant and Anticancer attributes of diffusible eumelanin produced by marine *Streptomyces rochei*, *Current Trends in Biotechnology and Pharmacy*, 12 (2), 147-158.
8. Suvala Shalini Devi, Yasodam Sreenivasulu & K.V Bhaskar Rao (2017). Protective role of *Trichoderma logibrachiatum* (WT2) from Lead induced Oxidative Stress in *Helianthus annuus*. *Indian journal of Experimental Biology*, 55, 235-241.
9. S. Shalini Devi & K. V. Bhaskara Rao (2017). Exploration of antimicrobial compounds from *Streptomyces* S9 against the phytopathogen, *Corynespora cassiicola* (Berk & Curtis). *Journal of Biopesticides*, 5, 1-5.
10. Suvala Shalini Devi, Kokati Venkata Bhaskara Rao, Yasodam Sreenivasulu, Venati Gopi & Kuruba Gopal. (2015). The potential of microbial wealth for phytopathogen management and plant growth enhancement in an eco-safe way. *Journal of Biology and Nature*, 2(1), 6-15.
11. Suvala Shalini Devi, Yasodam Sreenivasulu, K.V Bhaskar Rao & Palagiri Sudhakar, (2015) Biochemical characterization of native *Trichoderma* isolates inhibiting *Fusarium oxysporum* f. sp. *lycopersici* (Sacc.). *Journal of Pure and Applied Microbiology*, 9(3), 1-8.
12. Suvala Shalini Devi, Yasodam Sreenivasulu & K.V Bhaskar Rao, (2014). *Talaromyces verruculosus*, A novel marine fungi as a potent polyhydroxybutyrate degrader. *Research Journal of Pharmacy and Technology*, 7(4), 433-438.
13. Y. Sreenivasulu, K. Gopal, V. Gopi, T. Gouri sankar, S. Shalini Devi & S. Palanivel (2013) Improvement of Antagonism and carbendazim Tolerance in Native *Trichoderma* Isolates through ethyl methane sulfonate (EMS) mutagenesis. *Archives of Phytopathology and Plant Protection*, 47(13), 1645-1657.
14. S. Shalini Devi, Y. Sreenivasulu, S. Saritha, M. Ram Kumar, K. Praveen Kumar & P. Sudhakar (2011). Molecular diversity of native *Trichoderma* isolates against *Fusarium oxysporum* f. sp. *lycopersici* (Sacc.). A causal agent of *Fusarium* wilt in tomato (*Lycopersicon esculentum* Mill.). *Archives of Phytopathology and Plant Protection*, 45 (6), 686-698.

❖ **Papers Presented:**

- Paper presented in National Seminar on “Recent trends in plant disease diagnosis and control with reference to central India” held during 1st and 2nd December 2018 at Kakathiya University, Warangal, Telangana, India.

❖ **Awards / Recognitions**

Received **best paper presentation award** in National Seminar on “Recent trends in plant disease diagnosis and control with reference to central India” held during 1st and 2nd December 2018 at Kakathiya University, Warangal, Telangana, India.

❖ **Invited Guest Lectures:**

- Delivered a lecture on “mini projects for microbiology undergraduate students” during national webinar organized by department of Biological sciences, Sree vidyanikethan degree college, Rangampet on 28 May 2021
- Delivered a lecture on "Microbiological aspects of solar dried food products" during four days training programme on "Solar Food Processing for Value Addition to Fruits & Vegetables" from 28 - 31st May 2019 at SEED, Hyderabad.

❖ **Workshops/ Refresher courses /Training programs Attended: (Last Five Years)**

- Faculty Development Program on “Basics in bioinformatics” organized by NIT Warangal and Anna University, Tiruchirappalli from 26th may -4th June 2021
- International online workshop on “student centric learning strategies” organized by department of microbiology, BVC from 2nd -11th November 2020
- Faculty Development Program organized by Atal Incubation Centre - Centre for Cellular and Molecular Biology and sponsored by DST - NIMAT from February 4th - March 18th, 2021
- Attended Regional workshop on Research based pedagogical tools (RBPT) organized by IISER, Pune, from 17th-19th January 2018.

Research Fellowship-

- Successfully completed research fellowship 2020, Indian Academy of Sciences under the guidance of Dr Gnanesh Nanjappa, Central Sericultural Research & Training Institute, Mysuru.

Title : Phylogenetic Analysis of Lasiodiplodia Species Using Dual DNA Barcoding Data
<http://reports.ias.ac.in/report/47469/phylogenetic-analysis-of-lasiodiplodia-species-using-dual-dna-barcoding-data>

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