

R.Jaya Madhuri

E-mail: drjayaravuri@gmail.com

Educational qualification – M.sc., M. Phil., Ph.D



Work experience: Teaching 15 yrs ; Research 20 yrs

- Associate Professor, (2015 - tilldate)
- Assistant Professor, (2006 - 2015)

Research Field : Green Technology

1. Microbial Biodegradation studies of pesticides, dyes, plastics, polythenes from soil and marine ecosystems
2. Microbial fermentative production of biodegradable plastic polyhydroxybutyrate
3. Waste to wealth- Microbial bioutilization of plastic waste ,algal and vegetable waste for production of biopolymers, biofuels and biovanillin of commercial value
4. Biopharmaceuticals- Exploration of antimicrobials, anti cancer enzymes and blood clot dissolving enzymes of marine origin
5. Biocontrol agents, biopesticides and PGPR formulations for organic farming

Research Publications : International : 33 National : 20

Books/ Book Chapters : International : 8, National : 7

Seminars/ Conferences :

Attended : International: 20 National : 50

Participated : International : 20 National : 50

Organized : International : 1 National : 8

Research Projects : One

Ph.D/ MPhils/Post Docs Guided : Ph.Ds 6; PDF 1

Editorial Board Member/Reviewer : International 1 /National Journals 4

Special Distinctions/Awards/ Honours (State/National/International only):

State:1 ; National :3 ; International :1

- Fellow award by Association of Biotechnology, Dharwad - 2011
- Best Paper Presentation award at International Conference in Malaysia- 2013
- Associate Fellow by Andhra Pradesh Academy of Sciences- 2019
- International Researcher award by I2OR India, Ministry of MSME, Govt. of India- 2021
- Women Researcher award by VGood Technology Fctory, Hyderabad, India - 2021

Administrative Experience:

- Internal Quality Assessment Committee Member, SPMVV, Tirupati since 2014
- SPMVV Admissions Committee member since 2017
- DST CURIE Artificial Intelligence Committee Member, SPMVV, Tirupati from 2019
- SPMVV International Relations Committee member from 2019
- NIRF Departmental Cocordinator -2021

Professional membership:

- Member of Teachers Association, SPMVV, Tirupati.
- Life Member of Indian Sciences Congress Association, Kolkata.
- Life Member of Association of Micro biologists of India, Delhi.
- Life Member of Society of Toxicology, Bareilly, India.
- Life Member of Association of Biotechnology & Pharmacy, Guntur.

Three Best Publications in the (Last 5 Years) :

- Recent developments in Applied Microbiology and Biochemistry- Vol 1&2- Academic Press , Two Book Chapters -2019, and 2021- **ELSEVIER**
- Bioethanol production from natural plant substrates- 8th ICON, 2019 – **SPRINGER**
- Optimization, production, purification and characterization of anti cancer enzyme L-asparaginase from marine fungus- Bioscience, Biotechnology Research Communications- 2021- **Web of Science**
- Fibrinolytic activity of novel *Bacillus sps* strains isolated from Pulicat Lake. International Journal of Scientific and Technology Research. Vol 9 (2): 2254-2258. International .ISSN 2277- 8616. 2020. **SCOPUS**
- Reliable and sophisticated techniques to evaluate LDPEdegraded compounds by *Streptomyces werraensis* SDJM. Nature, environment and pollution technology. Vol 20(3): In Press. International. ISSN 0972 6268. 2021. **Scopus and Web of Science**

(R.JAYA MADHURI)