

FACULTY PROFILE

1. Name : Dr. R. Manjula
2. Designation : Assistant Professor,
Department of Microbiology
3. Qualification : M.Sc., Ph.D.
4. Mobile number : 9597464666
5. E-mail id : manjulamb@auxiliumcollege.edu.in
tanusrimanju4@gmail.com
6. Teaching Experience : 3 Years 9 months
7. Area of specialization : Applied Microbiology, Medical
Microbiology, Plant Biotechnology,
Emulsion & Nano Technology,
Food Microbiology
8. Research Experience and Guidance : Clinical Research Data Analysis Manager
in Pushpagiri group of Institutions,
Kerala (July 2014 - Dec 2014), &
Teaching Cum Research Assistant
(Jan 2016 - Dec 2019) in VIT Vellore (3years).
9. Projects Completed / Ongoing : NIL
10. No. of Papers Published : 7 Papers Published and 1 gene sequence
Published in NCBI (GenBank Accession
Number – VITXO MK547277.1)
11. No. of Papers Presented in the International Conferences : 2
12. No. of Seminars/Workshops/Conferences organized : Nil
13. No. of Books Published/Edited/Co-edited : 2 Book chapter
14. Membership in professional bodies : Nil

15. Honours & awards received : Research Award in VIT (2016)
16. No. of Online Courses completed : 2

Publications in Journals

Journal Article:

- **Manjula, R** et al. (2014), 'Isolation and characterization of keratinolytic bacteria from poultry waste dumping soil, International Journal of Enhanced Research in Science, Technology and Engineering 3(8), 238-243
- **Manjula, R.** and Padma, T. (2015), 'A review on *Melaleuca alternifolia* (Tea Tree) oil', International Journal of Pharma and Bio Sciences 6(4), 655-661
- **Manjula, R.** and Padma, T. (2015), 'Importance and applications of cedar oil, Research Journal of Pharmacy and Technology 8(10), 1714-1718
- **Manjula, R.** and Padma, T. (2017), 'Effective pesticide nano formulations and their bacterial degradation, IOP conference series: Material Science and Engineering 263, 1-12
- **Manjula, R** et al. (2019), 'Formulation and characterization of Cedrus deodara oil emulsion and studies on its activity against representative food and plant pathogens' Research Journal of Pharmacy and Technology 12(3), 1333-1337
- **Manjula, R.** and Padma, T. (2020), 'Molecular characterization of *Xanthomonas oryzae pv. oryzae* isolated from an infected rice (*Oryza sativa* L) plant in Vellore district, India', Indian Journal of Biotechnology 19, 169-175
- **Manjula, R.** and Padma, T. (2021), 'A sustainable castor oil-based agroformulation with cartap hydrochloride for potential control of pathogenic *Xanthomonas oryzae* in *Oryza sativa* L.', Journal of Environmental Biology 42, 74-81

Book Chapter

- **Manjula, R** and Padma T, 'Current Trends and Emerging Technologies for the Pest Control Management of Rice (*Oryza sativa* L.) Plants', Environmental Biotechnology Springer volume 4, (2021), DOI:10.1007/978-3-030-77795-1-5
- **Manjula, R** and Jothi S, 'Immunomodulatory Activities of Bioactive Compounds from Microbes', Recent Advances in Microbial Sciences, (2026), Chapter – 20, page number – 314-339 (ISBN Number: 978-81-979376-7-5)

Papers Presented in International Conferences

- International Conference on Recent Advances in Engineering Sciences- ICRAES-2018 organized by Ramaiah Institute of Technology, Bangalore- 560054. Presented a paper entitled 'Synthesis, Characterization and Application of Grapeseed oil Emulsion to Control Bacterial Rice Pathogen *Xanthomonas oryzae pv. oryzae*'
- International Conference on Recent Trends in Analytical Chemistry- ICORTAC-2018 organized by University of Madras, Guindy campus, Chennai- 600025. Presented a paper on 'A sweet almond oil-alkyl polyglucoside based

formulation loaded with aloe Vera gel and metal oxide nano particles for control of food pathogens' (15-17 March, 2018) (Awarded - Best paper presentation)

Poster Presented in Seminar

- One-Day Seminar on 'Management of Lifestyle Disorders through Herbal Products' held at Sir M Visvesvaraya Institute of Technology, Bangalore – 562157. Presented a poster 'A sweet almond oil based formulations for pathogen control' (10th October 2015)

Participation in Workshop/ Seminar

- 'Intellectual Property Rights Sensitization Programme', organized by VIT university, Vellore-632014 (14th August 2015)
- National Seminar on 'New Dimensions of Botanica' Organized by PG and Research Department of Botany, Government Arts College, Krishnagiri-635001 (27th August 2015)
- Two Day Workshop on 'Chromatographic Techniques' Organized by Department of Chemistry, VIT, Vellore (11th & 12th March 2016)
- One Day Workshop on 'Nanomaterials and Thin Film Based Applications' Organized by Centre for Nanotechnology Research, VIT, Vellore (18th March 2016)
- Lecture Workshop on 'Mining Metabolites: From Microbes to Plants' Organized by School of Bio Sciences and Technology, VIT, Vellore (29th -31st August 2016)
- National Conference on 'Futuristic Trends in Biotechnology and Computational Biology' Sponsored by DBT, New Delhi, held at School of Bio Science and Technology, VIT, Vellore-632014 (13th & 14th October 2016)
- National workshop on 'Sophisticated Instrumentation for Chemical and Physical Analysis' organized by PG & Research Department of Chemistry, Islamiah college (Autonomous), Vaniyambadi, Vellore-635752. (5th March 2018)
- Seminar on 'Building Alliances for Empowerment and Transformation of Transgenders' held at Don Bosco, Gandhinagar, Vellore (17th August 2024)
- One day National level online training program on – 'How to avoid plagiarism in research papers' organised by Hi Learn Edu Tech Institute, Karnataka (30th June 2025)

Participation in Faculty Development Programme

- Faculty Development Programme on IP Awareness – Intellectual Property office, India- National (25th January 2022)
- Faculty Development Programme on LibreOffice suite Writer, Calc & Impress - Auxilium College (Autonomous), Vellore in association with Spoken Tutorial, IIT Bombay – National (26th May 2022 - 10th June 2022)

- Faculty Development Programme on Teaching cum Research Excellence - Shaheed Rajguru College of Applied Sciences for Women (University of Delhi) – International (16th & 17th October 2022).
- Five Days Online FDP Cum Training Program on ‘Research & Soft Skill Development’ Organized by Council of Science and Development & BPT Publications (23rd – 27th October 2024)
- One week National Level Online Faculty Development Program on – ‘Innovative and Effective Teaching Techniques’ organized by Hi Learn Edu Tech Institute in collaboration with SIDVI foundation (19th June 2025 – 25th June 2025).
- Seven days FDP Program on ‘Indian Knowledge system’ organized by Tamil department, Auxilium college, Gandhinagar, Katpadi, Vellore (22nd – 28th September 2025).
- Seven days Faculty Development Program on “Empowering Research Integrity & Innovation” Organized by Committee for Research Ethics, Publication & IPR, Auxilium College (Autonomous), Gandhi Nagar, Vellore.
- Five days Faculty Development Program on “Empowering Faculty In Autonomous Colleges: Leadership, Well-Being, Research And Academic Excellence” Organized by Arcot Sri Mahalakshmi Women’s College (Autonomous), Arcot, Villapakkam.

Online Course Completed

- Online International Certificate Course on ‘Medical Bacteriology’ Conducted by Department of Microbiology, Sacred Heart College (Autonomous), Tirupattur, Tamil Nadu, India in association with Microbiologists Society, India; & Western Rio Janeiro State University (UEZO), Rio de Janeiro, Brazil. (04.07.2021 – 08.07.2021)
- Online International Certificate Course on ‘Microbial Inoculants Technology’ Conducted by Department of Microbiology, Sacred Heart College (Autonomous), Tirupattur, Tamil Nadu, India in association with Microbiologists Society, India; & Western Rio Janeiro State University (UEZO), Rio de Janeiro, Brazil. (05.09.2021 -10.10.2021)