

FACULTY PROFILE

Name : **Dr. Madhumala Y**



Designation : **Assistant Professor**

Department : **Biotechnology**

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Vidwan Id : **148201**

Google Scholar ID : **nl-9IJ8AAAAJ**

Qualification : **Mphil, Ph.D**

Teaching experience : 15

Industry experience : Nil

Administrative Responsibilities :

1. BOS Member
2. Bt zillion coordinator
3. MIS-TEQIP(Dept coordinator)
4. BOE Coordinator
5. Valuation Coordinator
6. Project Coordinator
7. Proof Reading
8. BOE Member
9. Editor of Department Technical Magazine from 2018

Teaching : UG, PG Diploma and PG

No. of Projects Guided : 19

UG : 5

PG

Research : Bioremediation, Microbiology, Pharmaceuticals

Interest Area

Research Grants	Sl. No	Title of Project	Funding agency	Year	Amount(Rs)
	1	Process Optimization and Bioreduction of Hexavalent Chromium from waste water using Biofilms	TEQIP-II	15-16	25,000
	2	Cyanide remediation by	KSCST	17-18	7,000

	Adsorption and biosorption process			
3	Cyanide Reduction by Biosorption Process”	KSCST	18-19	6,000
4	Removal of Heavy metal from industrial waste water from biofilm producing bacteria	TEQIP-III	18-19	22,000

Journals (with citations) : Publications:

1.Madhumala Y. Vishal Managutti, Puja B. Patil & Veena S. Sorganvi “Comparative Study of Bioreduction of water containing Hexavalent chromium using biofilm forming and nonbiofilm forming Bacteria” *International Journal of Advanced Research Methodology in Engineering and technology* Vol. 1, Issue 2, March 2017, ISBN 978-1-63535-889-6 Pg 41-44.

2.Madhumala Y, Veena S Soraghanvi and Bharati S Meti, (2018) “Reduction of hexavalent chromium using biofilm forming isolates” *International journal of technical innovation in modern engineering and science* Vol 4(11):2455-2585.

3.Madhumala Y, Manjula Mathapati & Veena S Soraghanvi, (2019) “Removal of heavy metal from industrial waste water using biofilm producing bacteria” *International Journal of Biotechnology & Research* Vol 9(2) :15-30

4.Madhumala Y, Goutami Hadimani, Savita Harke and Kaveri Lalaki, Studies on Extraction and Applications of Prodigiosin from *Serratia Marcescens*, *International Research Journal of Engineering and Technology (IRJET)* E-ISSN: 2395-0056 Volume: 07, Special Issue | June 2020 Pg no.227-231

5.Madhumala Y ,Vijayalaxmi Naganuri ,Megha Mathad,Bioethanol Production from Waste Banana Peel,INTERNATIONAL RESEARCH JOURNAL OF ENGINEERING AND TECHNOLOGY (IRJET) E-ISSN: 2395-0056 VOLUME: 07, SPECIAL ISSUE | JUNE 2020 Pg No.124-129

6.Madhumala Y ,Veena S Soraganvi Nikhita H Ingalagi, CHROMIUM REDUCTION USING BACTERIAL BIOFILMS, International Journal of Engineering Applied Sciences and Technology, 2020 Vol. 5, Issue 5, ISSN No. 2455-2143, Pages 198-202

Conferences : **International Conference :**

Cyanide remediation by adsorption and biosorption process, Jahnavi.M and Prof. Madhumala Y.

Invited Talks : Two Days Training on Food Safety and Personal Health Hygiene at Godavari Bio-refineries Ltd, Sammerwadi, Mudhol

8th and 9th March 2019,

Events Organized : 1.Facilitation, Validation and Quality assurance , 14th -18th May 2013 for Faculty

2.Quality control and Assurance, 15th and 16th April 2018 for students

3.Covid-19 Myths and facts and biotechnology as a career 9th Nov 2020

**Conferences/
Symposiums/
Workshops/ Training
Programs Attended**

1. Drinking water quality analysis
2. Green Chemistry
3. Effective Teaching Practices
4. Effective Teaching Practices “High Impact teaching skill attested by Dale Carnegie and associate, Inc. trainer and wipro”.
5. Attended Faculty Development Programme on Robotics, Organised by IT Dept, under VTU,VGST, Program,
6. Research methodology and latex

7. Role of IPR in life science industry
8. Worked as HRD trainer for 1st year BE students
9. Faculty Development Programme
10. On Pedagogy IIT, Chennai
11. International Symposium on Energizing Technologies for Sustainable Development
12. Faculty Development Programme
13. On Active learning components
14. Winning Edge strategy of thinking and creative leadership
15. Biology for Engineers
16. STTP on Outcome Based Education.
17. Nptel Workshop
18. Publishing Research in high Quality Journals
19. FDP on Current practices and critical issues for OBE in Engineering
20. Digital Transformation in Teaching Learning Process
21. E-Workshop on AICTE workshop on Exam reforms
22. Biorujivith-2020 ,international online conference on applied microbiology & clinical microbiology, special reference to combating covid-19
23. "Environmental Pollution-Causes,Effects & Control Measures
24. "National Level E-Quiz on Strength of Materials"
25. The role of advanced materials and nanotechnology in present scenario
26. Sustainable Development and Biodiversity
27. " Awareness and Prevention of Sexual Harassment at Workplaces" at 10 -12 am.TEQIP-III
28. Microbiome –“Perceptions and Perspectives” 7.30 to 9.00 pm
29. Food and Lifestyle Changes: East to West Preventive Measures in COVID Crisis.
30. “ Women Rights under Constitution” and “Vishaka Guidelines on Sexual Harassment”
31. Progress of nanomaterials and its applications in new technologies
32. Metallic Corrosion and Graphene base anti- corrosion coating materials
33. Insights on writing Research Proposals and funding Opportunities
34. Peptide based functional biomaterials for Biomedical Application
35. Effective ways of writing Research article
36. International webinar on multifunctional
37. applications of nanometal oxides

38. Secrets to combat Covid-19
39. "Online Chemistry Quiz
40. Alternate energy resources: Current scenario and future challenges.
41. Battle against Novel Coronavirus
42. Recent Advancements in Nanoparticles, films and membranes
43. World Animal Day Quiz
44. Faunal diversity and prospects of lifesciences
45. International webinar on Recent innovations in Chemical sciences
46. "Stem Cell Technology"
47. Industrial Biotechnology
48. Biotechnology Vs COVID -Challenges, opportunities and ethics for the research and BT industries.