

Name of Faculty Dr M.MAMATHA  
 Designation Assistant Professor  
 Nature of Job/Appointment Regular  
 Date of Joining 09-11-2010  
 E-mail mamatha\_chm@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy	Awarded
PG	M.Sc. (Organic Chemistry)	Distinction
UG	B. Sc. (BZC)	Distinction

#### Work Experience

Teaching	15 Years
Research	05 years
Industry	4.5 years
Others	--

Area of Specialization Organic Chemistry (Synthesis of drug molecules)

Professional Memberships

1. Life member, The Indian Science Congress Association, Membership number: L25552 since September 2014.
2. Editorial board member of open access journal named "Far East Journal of Chemistry" from march 2018 to December 2021.
3. Scientific advisor for Anax Laboratories, Nacharam since June 2018.

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Responsibilities held at Institution Level

Responsibilities held at Department Level

1. Member, Board of Studies from 2013 to till date.
2. NBA Coordinator from 2016 to till date.
3. IQAC member from 2016 to till date.
4. ARIIA, IIC member from 2016 to till date.

Research Guidance

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Awards Received

1. Best Teacher Award" for performing unique, commendable, resourceful and consistently significant contribution in the field of education by 2nd National Educators & Researchers Convention & Awards 2020.
2. Bharat Ratna Dr Abdul Kalam Gold Medal Award for individual achievement and national development" by GEPR, Tamilnadu India, 2018.
3. Recipient of 3 years Senior Research fellowship under CSIR 2000
4. Recipient of 2 years Junior Research fellowship under CSIR 1998.
5. Qualified in NET –UGC & NET - CSIR, 1998
6. Qualified in SLET, 1997
7. GATE All India 416 rank in 1996
8. Pingali Bhanumathy prize for securing highest marks in B.Sc part II, 1994
9. Pingali Bhanumathy prize for securing highest marks in B.Sc Botany, 1994.

Courses Handled at Under Graduate / Post Graduate Level.

Engineering chemistry, Applied chemistry, Organic chemistry, Inorganic chemistry, Physical chemistry and General chemistry.

No of papers published

National: 2

International: 7

Patents

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Technology Transfer

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Invited Speaker

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No. of Books/Chapter

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Published with details

Details of Short-Term Training

Programs / Faculty Development

Programs/Seminars / Workshops.Other

Trainings (Attended and/or organized).

1. Participated in Faculty Development Programme on "Innovative Practices in Chemical Sciences" Organized by Department of Chemistry in collaboration with Sarojini Naidu Vanitha Mahavidyalaya from 23 - 28 September 2021.
2. Participated in Seven Days Online Faculty Development Programme on Online Chemistry Teaching organized by the Department of Chemistry, MES Ponnani College in association with SIAS Research Forum during 10th -16th July 2021.
3. presented a research paper entitled (Oral) "Chemistry of 1,1,1,5,5,5-trifluoro methyl ketone and its reaction with Grignard's reagent." in the "International e-Conference on Developments in Chemical, Biological and Environmental Sciences (DCBES-2021)" during June 28-30, 2021 jointly organized by GITAM School of Science, Hyderabad & GITAM Institute of Science, Visakhapatnam
4. Participated in the one week faculty development on "Research Practices in Thermo-Fluid and Renewable Energy Systems" organised by department of mechanical engineering, Sreenidhi Institute of Science and Technology, Yamnampet, Ghatkesar, Hyderabad, Telangana 501301, from 28th June 2021 to 3rd July 2021
5. Participated in one week FDP on "IPR and patent prosecution organised by dept. of computer science and engineering in association with Institution Innovation Council (IIC), MVSREC, Hyderabad from 24th may to 28th May 2021
6. Coordinator for for one week Faculty Development program conducted by Department of Chemistry, CBIT from 8th to 12th March 2021 on "Recent Trends in Advanced Materials Science and Engineering Technology"
7. Completed an online COURSERA COURSE in "Introduction to Molecular Spectroscopy" by School of Chemistry, University of Manchester with 90.67% grade on 29th Jan 2021
8. Attended 1-hour Independence Day Webinar on "IPR:Key to India's Future Journey" conducted by Head IP and Research Collaboration, Tata Steel on 14th Aug, 2021.
9. Attended live webinar on IPR "Strategy and Cleantech Innovation conducted by Turnip Innovations Pvt. Ltd. on 16th July 2021.
10. Attended "Integrating Scopus in Research Workflow" at Elsevier on Wednesday 14 July, 2021 organised by Researcher Academy on Campus
11. Participated in the 2-day National Workshop on "Chemistry in Everyday Life" during 17th -18th April 2021 conducted by the Department of Chemistry, School of Advanced Sciences (SAS), VIT-AP University
12. Faculty coordinator for organizing guest lecture on "Conservation of water and Environmental Sustainability" under Institute Innovation Council, CBIT on 30th January, 2020.
13. Presented a poster on for the International Conference on Drug Discovery 2020 at BITS-Hyderabad, 29th Feb - 2nd Mar 2020
14. 12-week NPTEL Online Certification course on "Principles of Organic Synthesis" from July-October 2019 under Swayam Portal.
15. 12-week NPTEL-AICTE Faculty Development Program on "Principles of Organic Synthesis" from July- October 2019 under Swayam Portal.
16. One week Short Term Training Programme through ICT Mode on NBA Accreditation organized by National Institute of Technical Teachers Training and Research, Kolkata from 22nd to 26th April 2019.
17. Two weeks Science Academics Refresher Course on"

Upskilling Chemistry Teachers on Latest pedagogical Tools for Impactful Teaching" organized by Science Academics and department of science and Humanities at VFSTR Vignan Deemed University, from 27th November to 11th December 2018.

18. UGC sponsored 45th Orientation Course conducted by JNTU, Hyderabad from 11th July to 8th August 2016
19. One day Faculty Development Programme on "Teaching with Technology" organized by IQAC, Sarojini Naidu Vanita Maha Vidyalaya, Hyderabad on 30th December 2019.
20. Participated in one day workshop on "Recent Trends in Materials and its Applications in Engineering" organized by department of Physics, CBIT on 20th November 2019.
21. "Two Day Rural Immersion Training Programme on Swachhatha Action Plan and Community Engagement" held on 14th and 15th November 2019 organized by Mahatma Gandhi National Council of Rural Education, Department of Higher Education, MHRD, Hyderabad in collaboration with CBIT, Hyderabad, Telangana.
22. Tech Tara" organized by dept of CSE, CBIT on 6th and 7th March 2019.
23. One day symposium on "Significance of Sanskrit for Technological Research" organized by Geervana Bharathi of Technology on 8th September 2018.
24. One week Faculty Development Workshop on "Teaching and Learning Chemical Spectroscopy through hands on experience" organized by Department of Chemistry, NIT Warangal during 11th to 16th September 2017.
25. Presented a paper entitled "Green Chemistry and Environmental Sustainability" UGC Sponsored National Seminar on "Human Rights & Environmental Protection" conducted by department of Chemistry KRR Govt. Science College, Kodad on 20th & 21st January 2017.

#### **Details of Journal Publications/ Conferences (National and International) from the year 2017**

##### **International /National Journals from the Year 2017**

1. Mamatha M, Narendra Babu, K Kiran & H Mastan, (2021), "Chemistry of 1,1,1, -Trifluoro methyl ketone and its reaction with Grignard reagent"; GEDRAG & ORGANISATIE REVIEW - ISSN:0921-5077; DOI: 10.37896/GOR34.02/010; Volume 34, Issue 2 (April-June 2021), pg 66-73.
2. Mamatha M, (2021), Heterocycles based on naphthalene-A review"; GEDRAG & ORGANISATIE REVIEW – ISSN:0921-5077; VOLUME 34, ISSUE 02 - 2021 (April - June).
3. Mamatha M, (2020), "Microwave Assisted One Pot Synthesis of Benzo[h] Quinazolin-4(3H)-ones", Science and Engineering Journal, ISSN: 0103-944X; Volume 24; Issue 11, 2020, S. No 3, page 27-30.
4. Mamatha M, Narendra Babu, K Kiran & H Mastan, (2020), "Synthesis and Characterization of Impurity F in 4- amino-N-(5-methylisoxazol-3-yl) benzene sulfonamide drug synthesis", World Journal of Pharmacy and Pharmaceutical Sciences, Volume 9, Issue3, 889-893,2020.
5. Mamatha M, Narendra Babu, K Kiran & H Mastan, (2019), "Synthesis of Prochloroperazine related compound A impurity formed during chlorpromazine drug preparation", Journal of pharma Research, vol 8, Issue 5, 2019, ISSN2319-5622, page 66-73.