

Dr. Mallikarjunaswamy C M.Sc., Ph.D.

Assistant Professor

JSS College of Arts, Commerce and Science

Ooty Road, Mysuru-570025

Qualification

Programme	Specialization	Institution/University
M.Sc.,	General Chemistry	University of Mysore
B.Sc.,	Chemistry, Zoology, Biotechnology [CZBt]	University of Mysore
Diploma and Certificate Course	Industrial Microbiology	University of Mysore
On Job Training Program	Molecular Biology & Immunotechnology	Neo-biotics India (Pvt) Ltd

List of Research Projects Sanctioned

Sl.No.	Title of the project	File number	Funding agency
1	Design and Synthesis of Substituted Pyrimidine Analogues: A Novel Approach to Enhance the Bio-efficacy	1492-MRP/14-15/KAMY013/UGC-SWRO (4,50,000)	University Grants Commission

Research articles in peer reviewed journals

Sl. No	Title	Name of Journal	Date of Publication	Volume No/Issue No/Page No
1	Eco-Mediated Synthesis of Visible Active Bi ₂ WO ₆ Nanoparticles and its Performance Towards Photocatalyst, Supercapacitor, Biosensor, and Antioxidant Activity	Journal of Cluster Science	2021	https://doi.org/10.1007/s10876-021-02147-9 (0123456789),volV)(0123456789
2	Synthesis, characterization, docking study and antimicrobial activity of 2-(4-benzoylphenoxy)-1-[2-(1-methyl-1H-indol-3-yl)ethyl]-1H-benzo[d]imidazol-1-yl] ethanone derivatives	Journal of the Iranian Chemical Society	2021	https://doi.org/10.1007/s13738-021-02230-y

3	Bio-mediated synthesis of ZnO nanoparticles using Lantana Camara flower extract: Its characterizations, photocatalytic, electrochemical and anti-inflammatory applications.	Environmental nanotechnology, Monitoring and management. Elsevier	2021	https://doi.org/10.1016/j.enmm.2021.100442
4	Green synthesis and evaluation of antiangiogenic, photocatalytic, and electrochemical activities of BiVO ₄ nanoparticles	Journal of Materials Science: Materials in Electronics	2021	vol. 32, no. 10, pp. 14028–14046, 2021
5	Design, synthesis, docking, Hirshfeld surface analysis and DFT calculations of 2-methylxanthen-9-with the FtsZ protein from Staphylococcus aureus	Bioinformation	2021	DOI: 10.6026/97320630017393
6	Pharmacotherapy of COVID-19: A Perspective of Pathogenicity and Life Cycle	Biomedical & Pharmacology Journal	2020	Vol. 13(3), p. 1579-1594
7	Cost-effective and green approach for the synthesis of zinc ferrite nanoparticles using Aegle Marmelos extract as a fuel: catalytic, electrochemical, and microbial applications	Journal of Materials Science: Materials in Electronics	2020	doi.org/10.1007/s10854-020-04295-6
8	Green Synthesis of BiVO ₄ Nanoparticles by Microwave Method using Aegle marmelos Juice as a Fuel: Photocatalytic and Antimicrobial Study	Analytical Chemistry Letters	2020	10 (3), 298 - 306
9	Facile microwave-assisted green synthesis of ZnO nanoparticles: application to photodegradation, antibacterial and antioxidant	Journal of Materials Science: Materials in Electronics	2019	31, 1004–1021
10	Zinc oxide nanoparticles: A significant review on synthetic strategies, characterization and applications	AIP Conference Proceedings	2019	2162, 020089-1–020089-6;
11	Synthesis of 1,2,4-triazole Derivatives and their Anticonvulsant Activity	Journal of Applicable Chemistry	2019	2019, 8 (1): 89-96
12	Synthesis and characterization of metal complexes of a <i>N</i> -(Furan-2-Ylmethylidene)- Pyrazine-2-Carboxamide Schiff Base	International Research Journal Of Pharmacy	2018	9 (7), 140-143
13	Synthesis of Pyrimidine derivatives and their anticonvulsant activity	International Research Journal Of Pharmacy	2018	9 (7), 131-135
14	Synthesis and Biological Applications of (<i>E</i>)- <i>N</i> -Benzylidene-5-bromo-2-chloropyrimidin-4-amine Derivatives	Asian Journal of Organic& Medicinal Chemistry, Volume: 3 Issue: 1 Page No: 1–9	2018	3 (1), 1-9

15	Synthesis and biological activity of 5-bromo-2-chloropyrimidin-4-amine derivatives	Chemical Data Collections Volume 13, Issue 14, Page No: 1-10	2018	13 (14), 1-10
16	Studies on synthesis of pyrimidine derivatives and their antimicrobial activity	Arabian Journal of Chemistry	2017	10, S484-490
17	Synthesis of novel (E)-N'-(2-chloropyrimidin-4-yl)-n-(5-cyano-2-hydroxy-6-phenylpyrimidin-4-yl) formamidine derivatives and their antimicrobial activity	Journal of Saudi Chemical Society	2016	20, S606-614
18	Synthesis of some new pyrimidine-azitidinone analogues and their antioxidant, in vitro antimicrobial and anti-tubercular activities	Journal of Chemistry	2014	doi.org/10.1155/2014/847180
19	Synthesis and Antimicrobial Activity of Pyrimidine Salts with Chloranilic and Picric Acids	Journal of Chemistry	2013	doi.org/10.1155/2013/727182
20	Ethyl 2-(quinolin-8-yloxy)acetate monohydrate	Acta Crystallographica Section E	2013	doi:10.1107/S1600536813008106
21	5-Bromo-2-chloropyrimidin-4-amine	Acta Crystallographica Section E	2013	doi:10.1107/S1600536813007228

Seminars/Conferences/Symposium/Workshops

Sl No	Name of the Conference /Seminar /Symposium/Workshop	Type of Program	Role	Venue/place	Date
1	International Conference on "Advanced Materials (ICAM 2019)	International Conference	presentation	Nirmalagiri College, Nirmalagiri, Kannur, Kerala	12th -14th June 2019
2	International conference on advanced functional materials for energy, environment and health care	Conference	presentation	University of Mysore, Mysuru	18 and 20 th - March, 2019
3	International conference on Nanomaterials and their applications	Conference	presentation	University of Mysore, Mysuru	1 st and 2 nd - March, 2018

4	Analytical techniques	Workshop	Participated	JSS College of Arts, Commerce and Science, Mysuru	6 TH March-2018
5	Capacity building	Workshop	Participated	JSS College of Arts, Commerce and Science, Mysuru	24 th -March-2018
6	International Symposium on Advanced Materials	Conference	presentation	JSS Science and Technology University, Mysuru	27 th -December, 2017
7	Quality of Higher Education, Importance of research and ICT-Enabled Teaching	OP	participated	JSS College of Arts, Commerce and Science, Mysuru	30 th -November-2017
8	Vignana mattu tantragnana sammelana	Seminar	participated	JSS College of Arts, Commerce and Science, Mysuru	24-25 th -November-2017
9	Recent Trends in Nanoscience and Technology	FDP	participated	GSSS Institute of Engineering and Technology for Women	12 th to 14 th -October-2017
10	Two-Day Lecture Programme for Science Teachers	Lecture Program	participated	PES College, Mandya	22 nd and 23 rd September-2017
11	103 rd Indian Science Congress		participated	University of Mysore	3 to 7 th -January-2016
12	State level science exhibition	Exhibition	Participated	JSS College of Arts, Commerce and Science, Mysuru	20-22 nd August-2016
13	Nuclear Energy in India- A Boon	Conference	presentation	St. Philomena's College, Bannimantap, Mysuru	29 th and 30 th -March-2016
14	Quality enhancement in higher education	Principals meet	participated	UGC-HRDC, Mysuru	1 st December-2016
15	Application of modern analytical techniques to fundamental research in chemistry	Coference	presentation	JSS College of Arts, Commerce and Science, Mysuru	9-10 th -march-2016
16	Importance of Herbal Medicine in the Era of	Conference	presentation	Chakra forest, Sahyadri science	21-23 rd -December 2016

	Globalization- A live demonstration			college, shivamogga	
17	Teaching and learning in the 21 st century-student centric approach	OP	participated	JSS College of Arts, Commerce and Science, Mysuru	30 th March-2015
18	Interfacing innovation and IPR for Diffusion of Technology	Workshop	Participated	ATME college, mysuru	19 th January-2015
19	Orientation Programme	OP	participated	Academic Staff College, Mysuru	07-09-2015 to 01-10-2015
20	Chemistry and chemical biology	Seminar	participated	University of Mysore, mysuru	26 th May-2015
21	Current trends in chemical biology	Conference	Presentation	JSS College of Arts, Commerce and Science, Mysuru	2-3 rd March-2015
22	Benefits of nuclear and material sciences in day to day life	Seminar	Participated	University of Mysore	21 and 22 nd -August-2015
23	Recent innovations in bioinorganic and medicinal chemistry	Seminar	Participated	NIE College, Mysuru	28 th janaury-2015
24	Promotion of research in colleges	Workshop	Participated	JSS College of Arts, Commerce and Science, Mysuru	14 th -March-2015
25	Recent trends in chemical research	Conference	Presentation	SJCE, Mysuru	3-4 th -January-2014
26	Science technology for education and health care	Conference	Participated	JSS College of Arts, Commerce and Science, Mysuru	21-22 nd -February-2014
27	First Indo-Canadian Symposium on Nano-Science and Technology	Conference	participated	National Institute of Technology, Mysore.	20 th & 21 th February 2013
28	Basic techniques in instrumental methods	Workshop	Participated	JSS College of Arts, Commerce and Science, Mysuru	27 th March-2013
29	Bio-Prospecting for Sustainable Development	Conference	participated	Manasagangothri, University of Mysore, Mysore.	29 th & 30 th November 2012

30	Polymers and their application s	seminar	participated	JSS College for Women	27, 28 th September-2012
31	Open Lecture Series Programm- 2011-12	Open Lecture	participated	St. Philomena's College, Mysore.	12 th September 2012
32	Modern Trends in Research Methodology	Conference	participated	SBRR Mahajana First Grade College	20 th December-2011
33	International Conference on Synthetic and Structural Chemistry, ICSSC-2011	Conference	participated	Mangalore University Mangalagangothri Mangalore	8-10 th December-2011
34	International Symposium on Challenges in Drug Discovery Programm-2011	Conference	participated	Karnataka State Open University, Mysore.	16 th & 17 th February -2011

PhD Thesis

Sl. No.	Title	Guide Name	University	Month Year
1	Synthesis and characterization of somenew pyrimidine derivatives	Dr. D.G.Bhadregowda	University of Mysore	APRIL-2015

Members of Authority/ Committee

Sl. No.	Member	Committee/ Authority	Year (From-To)
1.	Member	Board of Examiners in Chemistry, Govt. College for Women(Autonomous) Mandya.	2018
2.	Member	Board of Studies in Chemistry, St. Philomena's college, Mysuru.	2011-2012 & 2012-2013
3.	Member	Board of Examiners in Chemistry, St. Philomena's college, Mysuru.	2011-2012 & 2012-2013
4.	Expert Resource Person	"Revision and Restructuring of M.Sc. Chemistry Syllabi under CBCBCASS" University of Mysore, Mysuru	2012