

PAPER PUBLICATIONS

1. "Microwave Assisted Synthesis of New Quinolone and Coumarin Molecular Hybrids: SAR, Molecular Modelling Studies as Dual Antagonists and its Antimicrobial Evaluation" in Journal of Molecular Structure.
2. Antibacterial Activity and Related Issues Of Natural Dyes In Textiles, Their Effective Data Analysis in Heterocyclic Letters.
3. Synthesis, Antimicrobial Evaluation, and In Silico Molecular Docking Studies of Chalcone-Based 1,2,3-Triazoles in Russian Journal of General Chemistry.
4. Antifungal Activity, Molecular Docking On Covid-19 Main Protease And Pharmacokinetics Of imidazolone Analogues in Heterocyclic Letters.
5. Azlactones in heterocyclic synthesis: Part-V- Condensation of Azlactones with 4-nitrobenzene-1, 2-diamine in Journal of Chemical and pharmaceutical research.
6. "Synthesis, characterization and Molecular Docking Studies of New Erlenmeyer Azlactone derivatives" in IOSR Journal of Applied Chemistry.
7. "A Review on Reactions and Applications of Oxazolones" in International Journal of Scientific and Research Publications.
8. "Synthesis, Characterization, Molecular Docking, and Antimicrobial Activity of New Arylidene-Substituted Imidazoles" in Russian Journal of General Chemistry.
9. Antimicrobial & Antifungal Activity Of Substituted 4-Arylidene 2-(Hydroxy Phenyl) Oxazol- 5(4h)-Ones in IJCRT
10. "A multidimensional approach to Synthesis of Azlactones" in IJSIET
11. Synthesis and Antimicrobial Activity of Novel Bis-1,2,3-triazol-1H-4-yl-substituted Aryl Benzimidazole-2-thiol Derivatives in Russian Journal of General Chemistry.
12. As co-Author for Ternary Cu(II) complexes: synthesis, structural elucidation, and biological studies (DNA binding, cleavage, antibacterial, cytotoxicity)" in Research on Chemical Intermediates
13. As Co-Author for "Synthesis and anti-microbial agents of novel (E)-N'-4,4'-difluoro-cyclohexane carboxylic acid (substituted-Benzylidene)-Hydrazide derivatives" in Worldjournal Of Pharmacy and Pharmaceutical Sciences.
14. "Cytotoxic activity, corrosion inhibition activity and molecular docking studies of Imidazolone scaffolds-A review" in International Journal of advanced Chemistry research.

15. "A comparative study of Oxazolones and imidazolones-A review" in IJARBEST.
16. "1-(3-acetylphenyl)-4-(4-arylidene)-2-phenyl-1H-imidazol-5(4H)-ones: Synthesis, spectroscopic characterization, antimicrobial and molecular docking studies" in Rasayan Journal of Chemistry.
17. "A Heterogeneous approach to synthesis of Azlactones" in International Journal of Pharmaceutical Research and Applications.

Book Chapters

1. "A review on sustainable development-Facts and Challenges" in Being Human-Ethics and Environment
2. "Impact of triazoles on drug delivery system" in multidisciplinary research by Prahas consultancy
3. "An assessment on oxazolones –their reactions and applications" in Novel aspects in Chemistry and Biochemistry by BP international

Book

Synthesis of Novel Heterocyclic Scaffolds-Their Antibacterial Activity and Molecular Docking Studies

WORK SHOPS / SEMINARS/CONFERENCES PARTICIPATED AND ATTENDED

1. "Strategies to foster innovation through improvement in pedagogy" at Geethanjali College of Engineering and Technology.
2. Presented a paper on "Chalcones as potent antioxidant agents" at Srimathi Indira Gandhi College" Organized by Department of Chemistry at Tiruchirapalli, Chennai from 17-18 Oct 2023.
3. "Advanced Pedagogical Techniques" by PMMNMTM ,TLC,Ramanujam College from 22-28 july 2023.
4. "Recent advances in Chemical Sciences" by SNIST in association with NIT,Warangal, from 10-14 Oct 2022.
5. Presented a paper on "Confronts and Challenges in Utilization of CO₂" at Chemical Advances for Sustainable Development CASD 2022 organized by Department of Chemistry, University College for Women, Koti, Hyderabad, from 12th APRIL, 2022 to 13th APRIL, 2022.
6. Presented a paper on "Molecular docking studies of novel imidazolones against fungal proteinase and SARS COV2 main protease" at 40th Annual National Conference of Indian Council of Chemists on 29th-30th December 2021 organized by Satavahna University, Karimnagar.
7. Participated in poster presentation on" A brief sum up of carbon footprint"

at International Conference on conventional and digital methods in chemical education” at department of Chemistry, NIT, Warangal from 29th to 31st July 2021.

8. Presented a paper on two day international Conference on Material Science for societal advancement organized by UGC UPE FAR program, OU from 20-01-2020 to 22-01-2020, University college of science, OU, Hyderabad, Telangana, India.
9. Presented a paper on two day National Seminar On Recent Trends in Material Research for Science and Engineering Applications on 20th & 21st December, 2018 at Department of Applied Sciences, MVSR Engineering College, Hyderabad, Telangana, India.
10. Awarded best paper titled A Multidimensional Approach to Synthesis of Azlactones in 7th International Conference On Recent Engineering & Technology on 7th April 2017, organized by Organization of Science & Innovative Engineering and Technology, Chennai in Association with Matrusri Engineering College, Hyderabad
11. Awarded best paper titled A comparative study of oxazolones and Imidazolones-a review” in 2nd International Conference On Engineering & advancement in Technology” held on 16,17 July 2021, organized by Lord’s Institute of Technology and Engineering, in association with OSIET, Chennai, India.
12. Presented a paper Synthesis of novel Imidazolones, their antimicrobial studies and molecular docking studies at 37th Annual National Conference of Indian Council of Chemists on 12th-14th December 2018. Organized by national institute of technology (NITK), Suratkhal, Mangalore, Karnataka.
13. Presented a paper title Synthesis of Metal Complexes of Oxa-Zolones and Their Activity Studies, in 1st Science Congress, Andhra Pradesh on 27th-29th January 2016 organized by Sri Venkateshwara University, Tirupathi, India.
14. Presented a paper synthesis, characterization, antimicrobial and antifungal studies of novel oxazolones in 2nd Science Congress, Andhra Pradesh (APSC 2016) organized by AP Academy of Sciences in association with Dr NTR University of Health Science, Acharya Nagarjuna University & Krishna University on 7th-9th November 2016
15. Presented a paper titled Synthesis and Anti Microbial Activity Of Substituted 4-Arylidene 2-(HydroxyPhenyl)Oxazol-5(4h)-Ones in the 1st National Conference On Trends In Science, Engineering & Technology (NTSET-2018) organized by Matrusri Engineering College, Hyderabad, Telangana on 2nd-3rd 2018.
16. Presented a paper synthesis, characterization of novel imidazolones in One Day National Seminar on Frontiers in Chemical Sciences on 15th September 2018, organized by Department of Chemistry, Palamuru University, Mahabubnagar, Telangana
17. Participated in National Conference on Science and Technology for Indigenous Development in India organized by Indian Science Congress Association - Hyderabad Chapter in association with RBVRR Womens College, Hyderabad on

22nd-24th February-2016.

18. Participated in One day orientation programme on "Research and Consultancy" organized by Research Development and Consultancy Cell, University College of Science, Osmania University, Hyderabad and sponsored by UGC on 23rd September 2015
19. Participated in a seminar on Advances in Chemical Sciences organized by Department of Chemistry, Osmania University, Hyderabad on 27th August 2015.
20. Presented poster Synthesis of novel oxazolones and their DNA binding studies in 34th Annual National Conference of Indian Council of Chemists held at Department Of Chemistry, UKA Tarsadia University, Bardoli, Surat on 26th-28th December 2015.
21. Presented poster A multidimensional approach to synthesis and reactions of oxazolones in two day National Symposium On "Recent Advances in Chemical and Material Sciences" held at SAC Buildeing, Rajiv Gandhi University of Knowldege Technologies, Basar, Adilabad, Telangana State, India during 20th-21st August 2016.
22. Participated in National Seminar on Recent Applications in Medicinal and Material Devices organized by Nizam College, A Constituent College of Osmania University, Hyderabad, Telangana State, India on 2nd July 2016.
23. Participated in Engineering College-Induction Programme organized by University college of engineering, Osmania University, Hyderabad, Telangana State held during 13th-15th July 2018
24. Participated in Two day Workshop for Chemistry Teachers organized by RBVRR Womens College, Narayanaguda, Hyderabad sponsored by UGC on 14th-15th February 2017
25. Participated in International Conference on Emerging Trends in Chemical, Pharmaceutical, Environmental Sciences and Technology organized by Department of chemistry Pithapur Rajahs Govt. College, Andhra Pradesh sponsored by UGC on 25th January 2017
26. Presented a poster titled Azlactones in Heterocyclic Synthesis: Part-V-Condensation of Azlactones with 2-Amino Phenol in International conference on emerging trends in chemical and pharmaceutical sciences.
27. Participated in a two day Workshop on Computational Drug Design organized by Department of Chemistry, Osmania University, Hyderabad held on 3rd-4th April 2014
28. Participated in One day seminar on Academia-Industry Interface organized by the department of chemistry, university college of science, Osmania University on 6th August 2014
29. Participated in National Symposium on Recent Developments in Phramaceutical Sciences and Technology organized by Science-Tech Foundation, Bengaluru in Association with Dept. of Phramacy, University College of Technology, Osmania

University, Hyderabad on 27th December 2013;

30. Participated in poster presentation at National Conference on Recent Trends in Chemistry, Department of Chemistry, Osmania University, 6th & 7th Feb 2009.

Guest Lectures

1. Guest Lecture was given on “Organic reactions and Mechanisms” at Little Flower Degree College, Uppal on 05.09.2014.
2. Online guest lecture was given on “principles of organic reactions” for Arunodaya Degree college, Dilsukhnagar on 06.04.2021.
3. Online guest lecture was given on “Electronic Spectroscopy” for Vasundhara Degree and PG college, Moulali on 29.04.2021.
4. Online guest lecture was given on “Carbon neutrality” for Aadhya Degree college for Women, Dilsukhnagar on 01.05.2021.
5. Webinar was given on “Green Chemistry and its applications” at Little Flower Degree College, Uppal on 29.01.2022.
6. Seminar on “Biodiesel Fuels” at Matrusri Engineering College, Saidabad on 08.10.2023.
7. Guest Lecture on “Physiological Implication of Bio-chips” at Matrusri Engineering College, Saidabad on 12.03.2024.
8. Guest lecture on “Heterocyclic Compounds and their Chemistry” at Aadhya Degree College, Dilsukhnagar, Hyderabad on 10.02.2025.

FDP'S Attended :12