Profile

Name of the Faculty	Dr.Srinu Bhoomandla
Designation	Associate Professor
Department	FE (Chemistry)
Area of Interest	Organic Chemistry
Subjects Taught	Engg.Chemistry Chemistry,Organic Chemistry, Environmental Studies and Environmental science.
JNTUH Registration Id	61150 406105126
College Staff Code	SC1808
Official Mail	drbsrinu.fe@gcet.edu.in

Educational Qualifications:

S. No.	Degree	Specialization	University/College	Year
1	PhD	Organic Chemistry	GITAM	2022
2	M.SC	Environmental Sciences	OU	2018
2	M.SC	Organic Chemistry	OU	2006
3	B.SC	Bsc (M.P.C)	OU	2003
4.	B.Ed	Physical Sciences	OU	2004

Publications Details :

S. No.	Publication details
1.	Synthesis of novel alkyl amide functionalized trifluoromethyl substituted furo/thieno pyridine derivatives; their anticancer activity, CoMFA, CoMSIAstudies. Srinu Bhoomandla, Shravan Kumar Gunda, Srawanthi Kotoori and Phani Raja Kanuparthy, Journal of Heterocyclic Chemistry, Vol. 56 (7), pp. 1986-1998, 2019. DOI : 10.1002/jhet.3578.
2.	40% aq.HF catalyzed three - component synthesis of novel indeno[1,2-b][1,8]naphthyridin-6(11H)-one derivatives and their antimicrobial activity. Srinu Bhoomandla, Rambabu Gundla, Phani Raja Kanuparthy and Ramana Reddy, Letters in Organic Chemistry, Vol.18 (1), pp.13-21, 2020. DOI : 10.2174/1570178617666200210112843.
3.	Synthesis of novel pyrazole tagged pyridine derivatives; their antimicrobial activity. Srinu Bhoomandla, Rambabu Gundla and Phani Raja Kanuparthy, Letters in Organic Chemistry, Vol.18 (1), pp. 1-7, 2021. DOI : 10.2174/1570178618666210217121426.
4.	Novel amide functionalized pyridine derivatives and their anticancer activity and molecular docking studies . Bhoomandla Srinu1,2, Pandiri Sreedhar2, Basireddy Sravanthi3, Gundla Rambabu1, Velavalapalli Vani Madhuri1, Venishetty Sunil Kumar4 and Kanuparthy Phani Raja1*Research Journal of Chemistry and Environment Vol. 27 (5) May (2023) : 65-72 .https://doi.org/10.25303/2705rjce065072
5	Green Approach to Synthesis of Novel and Broad-Range of 4,10-Dihydro-4-Aryl-3-(Phenylsulfonyl)Pyrano[2,3-B]Carbazol-2-Amine Derivatives. Bobbala Ramana Reddy, Bhoomandla Srinu, and Veenam Dinesh Kumar Reddy, Journal of Chemical and Pharmaceutical Research, 2018, 10(8): 79-85.
6	Co (II), Ni (II) and Cu (II) metal compounds of 2-aminonicotinaldehyde: Synthesis, crystalline structure, pharmacological assessment, and molecular docking research are all

	part of the process.N. Kotilingaiah, A. Nagarjuna, B.M Praveen , B Srinu, K. Sateesh . Eur. Chem. Bull. 2023, 12(Special Issue 4),6808-6821.
7	Recent Advances in Drug Discovery: Innovative Approaches and Targeted Therapeutics . Akarapu Premalatha, Manisha Atul Bora, Srinu Bhoomandla, Aruna Kumari Nakkella. Eur. Chem. Bull. 2023,12(Special Issue 12), 2068 – 2074.
8	Pharmacokinetics and Pharmacodynamics: Current Concepts and Applications.Srinu Bhoomandla, Sreedhar Pandiri, Akarapu Premalatha, Konda Santosh Kumar. Lat.Am. J. Pharm. 42(3): (2023) :1525-1532.
9	Design, Synthesis and In vitro Antitubercular Effect of New Chalcone Derivatives Coupled with 1,2,3-Triazoles: A Computational Docking Techniques Volume21, Issue5,May 2024,https://doi.org/10.1002/cbdv.202400389 Kumaraswamy Sadineni, Sravanthi Reddy Basireddy, Tejeswara Rao Allaka, Satyanarayana Yatam, Srinu Bhoomandla, Venkatanaryana Muvvala, Sharath Babu Haridasyam
10	Design, synthesis, and computational docking techniques of novel 1,2,3–triazole–tetrazole hybrids as potential leads in the development of anticancer agents Journal of Molecular Structure Volume 1327, 15 April 2025, 141189, https://doi.org/10.1016/j.molstruc.2024.141189 Venkatesan Vellaiyan [a], TejeswaraRao Allaka [b], Srinu Bhoomandla [c d], Balaraju Vudari [e f], Kal yani Chepuri [g], Honnappa Nagarajaiah
11	Design, synthesis, *in vitro* and *in silico* studies of 1,2,3-triazole incorporated tetrazoles as potent antitubercular agents Venkata Krishna Kishore Narkedimilli [a b], TejeswaraRao Allaka [c], Ramesh Balli [d], Srinu Bhoomandla [e], Srinivas Reddy Purumandla [a], Katta Venkateswarlu [b f] Journal of Molecular Structure https://doi.org/10.1016/j.molstruc.2024.141242 Volume 1327, 15 April 2025, 141242
12	Design, Synthesis of Flurbiprofen Based 1,3,4-Oxadiazoles and Constrained Anticancer, Antioxidant Agents: *In silico* Docking Analysis Srinu Bhoomandla, Bharath Kumar Chennuri, Surapaneni Sirisha, Saidulu Ganji, Rashmi Trivedi, Ananthoju Karunasri, Sreedhar Pandiri Volume22, Issue2 February 2025, https://doi.org/10.1002/cbdv.202401313

13	Synthesis of Novel 2-((3-(Benzofuran-2-yl)-1-phenyl-1*H*-pyrazol-4-yl)methylene)hydrazinyl-4-phenylthiazole: Potent EGFR Targeting Anticancer Agents Volume 50, pages 34–44, (2024), Sateesh Amudala, Rambabu Palabindela, Srinu Bhoomandla, N Kotilingaiah, Jonnala Sandhya & Jyothi Mandala
14	Synergetic Effect of Pd Decorated CeO_2 Support Application in Total Oxidation of Propane INORGANIC MATERIALS AND NANOMATERIALS: Volume 70, pages 759–767, (2025) Srinu Bhoomandla, Gande Ravi Kumar, Voleti Nagaveni, Police Vishnu Vardhan Reddy, M. Sudha & Sreedhar Pandiri
15	Design, Synthesis, and Biological Evaluation of New Benzo[*b*]Oxepine-Based 1,2,3-Triazole Derivatives: Molecular Docking, DFT Analysis, In Silico Pharmacokinetics, and Identification of Antimicrobial Pharmacophore Sites Rushendra Reddy Kothinti, Lakshmi Basavegowda, Srinu Bhoomandla, Nageswara Reddy Gosu, Sudha Muppavarapu, Tejeswara Rao Allaka, Mohammad Raish First published: 13 April 2025 https://doi.org/10.1002/cbdv.202500520
16	Exploration of phthalazine bearing oxadiazolyl–triazole hybrids as selective breast cancer agents: computational docking interactions Bulletin of the Chemical Society of Ethiopia DOI:10.4314/bcse.v39i4.10 , Vol. 39 No. 4 (2025) Santosh Kumar Konda,Sateesh Kuna,Sreedhar Pandiri,Premalatha Akarapu Srinu Bhoomandla,Pilli Veera Venkata Nanda Kishore

Experience:

Teaching	16.4 Years
Industry	---
Research	2 years
Total Experience	18.6 Years