

Profile

Name of the Faculty	Dr. K. Santosh Kumar	
Designation	Asst. Professor	
Department	Chemistry	
Area of Interest	Heterocycles	
Subjects Taught	Engineering Chemistry	
JNTUH Registration Id	4354-210816-153318	
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Educational Qualifications:

S. No.	Degree	Specialization	University/College	Year
1	PhD	Organic Chemistry	Osmania University	2017
2	MSc	Organic Chemistry	Osmania University	2002
3	BSc	MPC	Osmania University	1998

Publications Details :

S. No.	Publication details
1.	Exploration of Pthalazine bearing Oxadiazolyl-Triazole Hybrids as selective Breast Cancer Agents: Computational Docking Interactions. K. Santosh Kumar , K. Sateesh, P. Sreedhar, A. Premalatha, B. Srinu, P.V. Venkata Nanda Kishore. Bulletin Chemical Society of Ethiopia 2025, 39(4), 731-748.
2.	<u>Synthesis, Characterization, and antifungal activity of novel chromene oxadiazole</u>

	based dithiocarbamates. K. Santosh Kumar , G. Madhu, T. Gangadhar, N. Salve Reddy and G.L. David Krupadanam. <i>Synthetic communication</i> 52 (4), 577-584.
3.	Synthesis and antimicrobial evaluation of novel urea derivatives from Chromene based oxadiazole amines. K.Santosh Kumar , V. Daniel, Shiva Shanker Kaki, Ch. Prasad Rao and G. L. David Krupadanam. <i>Medicinal Chemistry Research</i> 2016, 25, 2179–2186.
4.	Synthesis of novel 1,4-disubstituted-1,2,3-triazole semi synthetic analogues of forskolin by click reaction. M. Koteswara Reddy, K. Santosh Kumar , P. Sreenivas, G. L. David Krupadanam and K. Janardhan Reddy. <i>Tetrahedron Letters</i> 2011, 52, 6537– 6540.
5	<u>Synthesis of pyrazole-substituted chromene analogues with selective anti-leukemic activity.</u> G Madhu, M Sudhakar, K Santosh Kumar , G Rajashekher Reddy. <i>Russian Journal of General Chemistry</i> 87, 2421-2428.
6	<u>pK_as of Five Membered Heterocyclic Ring Systems C₄H₄XH (X = N, P, As, Sb, Bi, Mc) Including the Novel Hypothetical Molecule Moscole (C₄H₄McH).</u> K. Santosh Kumar , V. Jagannadham, Rachuru Sanjeev, Adam Arnold Skelton. <i>Russian Journal of Physical Chemistry</i> 97 (11), 2463-2469.
7	<u>Copper-catalyzed aerobic oxidative intramolecular amidation of 2-aminophenylacetylenes: A domino process for the synthesis of isatin</u> N Salvanna, P Ramesh, K. Santosh Kumar , B Das. <i>New Journal of Chemistry</i> , 41 (22), 13754-13759.
8	Yttrium triflate mediated acetylation of amines and phenols under solvent-free conditions. D. Veena, V. Daniel, K. Santosh Kumar , N. Rameshwar. <i>Heterocyclic letters</i> 2016 , 6(2), 323-327.
9	Effect of Na ₂ O on the enhancement of electrical conductivity, structural, and optical properties of borate based glasses containing BaO and ZnO fixed modifiers for solid state electrolyte applications. Jagram Anterbody, Pallati Naresh, Aravind Seema, A. Rajesh K. Santosh Kumar and Gangadhar Thalari. <i>Rasayan journal of Chemistry</i> 2024. 17(3), 1242-1250.

Experience:

Teaching	12
Industry	8
Research	15
Total Experience	20