# Profile

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| **Name of the Faculty** | Dr K Santosh Kumar |  |
| **Designation** | Assistant Professor | |
| **Department** | Freshman Engineering | |
| **Area of Interest** | Organic Synthesis | |
| **Subjects Taught** | BSc, MSc Organic chemistry, Engineering Chemistry | |
| **JNTUH Registration Id** | 4354-210816-153318 | |
| **College Staff Code** | SC1574 | |
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## Educational Qualifications:

| S. No. | Degree | Specialization | University/College | Year |
|---|---|---|---|---|
| 1 | Ph D | Organic Chemistry | Osmania University | 2017 |
| 2 | MSc | Organic Chemistry | Osmania University | 2002 |
| 3 | Bed | Physical Science | Osmania University | 2000 |
| 4 | BSc | M.P.C | Osmania University | 1998 |

## Research Publications:

| S. No. | Publication details |
|---|---|
| 1 | Synthesis Characterization and antifungal activity of novel chromene oxadiazole based dithiocarbamates **K.Santosh Kumar**,G. Madhu, T. Gangadhar and G. L. David Krupadanam. ***Synthetic communication*** 2022, 52(4), 577-584. |

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| 2 | Synthesis of (E) 2,2-dimethylchroman-4-one-o(1-benzyl-1H-1,2,3-triazole-4-yl) methyl oximes (E)-2,2-dimethylchroman-4-ones-(1-phenyl-1H-1,2,3-troazole-4-yl) methyl) oxi mes. P. Nagendra Reddy, **K. Santosh Kumar**, V. Rekha and G. L. David Krupadanam. ***Heterocyclic letters*** 2018, 8 (2), 443-448. |
| 3 | Synthesis of 8-[4-methylsulphonyl-benzoyl] and 8-[4-phenylbenzoyl]-4h-furo[2,3-h] isoflavones using substituted phenacyl halides. V. Daniel, **K. Santosh Kumar**, N. Rameshwar, Y. Jayaprakash Rao and G. L. David Krupadanam. ***Heterocyclic letters*** 2017, 7 (2), 313-321. |
| 4 | Synthesis of new 1-benzyl-4-(((2,2-dimethylchroman-4-yl)oxy)methyl)-1H-1,2,3-triazoles and 4-(((2,2-dimethylchroman-4-yl)oxy)methyl)-1-phenyl-1h-1,2,3-triazoles P. Nagendra Reddy, **K. Santosh Kumar,** V. Rekha, Ch. Prasad Rao and G. L. David Krupadanam. ***Heterocyclic letters***, 2017, 7 (2), 369-372. |
| 5 | Copper-catalyzed aerobic oxidative intramolecular amidation of 2-aminophenylacetylenes: A domino process for the synthesis of isatin. N. Salvanna, Perla Ramesh , **K. Santosh Kumar**, Biswanath Das. ***New journal of Chemistry*** 2017, 41, 13754-13759. |
| 6 | Synthesis of Pyrazole-substituted Chromene Analogues with selective anti-Leukemic Activity. G. Madhu, M. Sudhakar, **K. Santosh Kumar**, G. Rajashekher Reddy, A. Sravani, K. Ramakrishna, and Ch. Prasad Rao. ***Russian Journal of General Chemistry*** 2017, 87 (10). |
| 7 | Synthesis, charachterisation and biological evaluation of 2-aryl-4-phenl-2h-chromene- 3-benzimadazoles. **K. Santosh Kumar**, P. Nagendra Reddy, B. Srinivas, Y. Jayaprakash Rao and G. L. David Krupadanam. ***Heterocyclic letters* 2017, 7 (2), 385-394.** |
| 8 | Synthesis and antimicrobial evaluation of novel urea derivatives from chromenes based oxadiazole amines. **K.Santosh Kumar**,V. Daniel, Shiva Shanker Kaki, Ch. Prasad Rao and G. L. David Krupadanam. ***Medicinal Chemistry Research*** 2016, 25, 2179–2186. |
| 9 | Yttrium triflate mediated acetylation of amines and phenols under solvent-free conditions. D. Veena, V. Daniel, **K. Santosh Kumar**, N. Rameshwar. ***Heterocyclic letters*** 2016, 6 (2), 323-327. |
| 10 | Green protocol for the synthesis of 2-aryl-2,3-dihydroquinazoline-4(1H)-ones using Indion Ina 225H resin. Reddy, K. Satish, Parthasarathy, T.; **Kumar, K. Santosh**; Satyender, Apuri. ***Asian journal of chemistry*** 2015, 27 (6), 2222-2224. |

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| 11 | Amino Acid Promoted Ullmann Type Reaction with Low Catalyst Loading via Microwave Technology. K. Umamaheshwar Reddy, **K. Santosh Kumar** and A. Panasa Reddy. ***Asian journal of chemistry*** 2014, 26 (15), 4747-4751. |
| 12 | 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. ***Tetrahedron Letters*** 2011, 52, 6537–6540. |
| 13 | A facile synthesis of angular and linear 8/2-methylfuro[2,3-h]/[3,2-g]and angular pyrano [2,3-f] isoflavones from 7-propargyloxy chromenes and isoflavones. V. Daniel, Y. Jayaprakash Rao, **K. Santosh Kumar** and G. L. David Krupadanam. ***Heterocyclic Communications*** 2008, 5, 337-343. |
| 14 | A study of crude stem extract of Coscinium fenestratum L. K. Talat, **K. Santosh Kumar**, G. L. David krupadanam and S.Y. Anwar. ***Indian Journal of Applied and Pure Biology*** 2008, 23, 315-318. |

## Books/Book Chapters Published:

| S. No. | Publication details |
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## Experience:

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| **Teaching** | 8 |
| **Industry** | 4 |
| **Research** | 6 |
| **Total Experience** | 18 |