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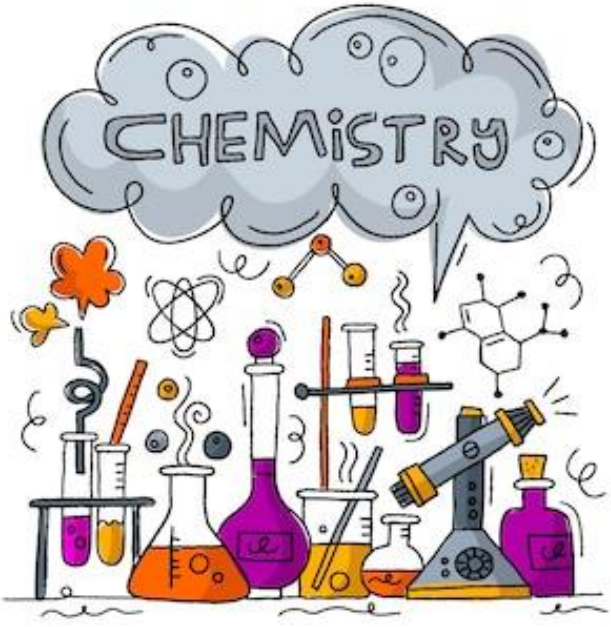
(Affiliated to Kakatiya University, Warangal)

BHADRADRI DISTRICT- TELANGANA STATE

RESEARCH PUBLICATIONS
OF
DEPARTMENT OF CHEMISTRY



Sl.No.	Year of Publication	Name of authors	Designation	Title of the Paper	Journal Name	DOI: No.	UGC Listed Yes/No	Indexing if any	Remarks Ref.No. copy Attached
1	2023	Sadu Nageswara Rao	DEGREE LECTURER	L-Proline Catalyzed Transamidation of Thioamides with Amines	*Current Topics on Chemistry and Biochemistry*	10.9734/bpi/ctcb/v8/4940E			
2	2021	Sadu Nageswara Rao	Degree Lecturer	KO^tBu-BF_3.OEt_2 mediated synthesis of quinazolin-4(3H)-ones from 2-substituted amides with nitriles and aldehydes	Synthetic Communications	10.1080/00397911.2021.1928218			
3	2018	Sadu Nageswara Rao	Degree Lecturer	Transition metal-free hydration of nitriles to amides mediated by NaOH	Adv Mater Sci	10.15761/ams.1000137			
4	2017	Sadu Nageswara Rao	Degree Lecturer	Visible-light-promoted selective C–H amination of heteroarenes with heteroaromatic amines under metal-free conditions	Org. Biomol. Chem	10.1039/C7OB02504A			

List of Research Publications:

1. L-Proline Catalyzed Transamidation of Thioamides with Amines. **Sadu Nageswara Rao**, D. C. Mohan, S. Adimurthy.* *Current Topics on Chemistry and Biochemistry*, **2023**, *8*, 123.

2. KO^tBu-BF_3.OEt_2 mediated synthesis of quinazolin-4(3H)-ones from 2-substituted amides with nitriles and aldehydes. V. V.Nomula, Sadu Nageswara Rao,* ***Synthetic Communications***, **2021**, 51, 2602.

3. Transition metal-free hydration of nitriles to amides mediated by NaOH. N. N. K. Reddy, **Sadu Nageswara Rao**, R. D. Patil, S. Adimurthy.* ***Adv Mater Sci***, **2018**, 3(1): 2.

4. Visible-light-promoted selective C–H amination of heteroarenes with heteroaromatic amines under metal-free conditions. S. Samanta, R. Chitrakar, Sadu Nageswara Rao, A. joshi, S. Adimurthy.* ***Org. Biomol. Chem***., **2017**, *15*, 9590.

5. Catalyst-Free Synthesis of 2, 4-Disubstituted-1H-imidazoles through [3 + 2] Cyclization of Vinyl Azides with Amidines. N.N.K.Reddy, **Sadu Nageswara Rao**, R. Chitrakar, S. Adimurthy.* ***ACS Omega***, **2017**, *2*, 5235.

6. Copper-mediated synthesis of pyrazolo[1,5-a]-pyridines through oxidative linkage of C–C/N–N bonds. D. C. Mohan, R. Chitrakar, **Sadu Nageswara Rao**, S. Adimurthy.* ***Organic & Biomolecular chemistry***, **2015**, *13*, 3556. (Top most-accessed article in the month of April 2015).

7. Copper Catalysed Aerobic Oxidative Amination C (sp3)-H bonds Cleavage; Synthesis of Imidazo(1, 5-a) pyridines. D. C. Mohan, **Sadu Nageswara Rao**, R. Chitrakar, S. Adimurthy.*

Organic & Biomolecular chemistry, **2015**, *13*, 5602. (Top most-accessed article in the month of April 2015).

8. Copper(I) Iodide Catalysed Aerobic Oxidative C-N and C-S bond formations through C-H Activation: Synthesis of Functionalized Imidazo [1,2-a]pyridines, D. C. Mohan, **Sadu Nageswara Rao**, R. Chitrakar, S. Adimurthy.* ***Asian J. Org.Chem***. **2014**, *3*, 609. (Top mostaccessed article in the month of June 2014).

9. Copper (I) Iodide-Catalysed Aerobic Oxidative Synthesis of Imidazo[1,2-a]pyridines from 2-Aminopyridines and Methyl Ketones. D. C. Mohan, R.R. Donthiri, **Sadu Nageswara Rao**, S. Adimurthy.* ***Advanced Synthesis & Catalysis*** **2013**, 355, 2217. (Top most-accessed article in the month of September 2013).

10. Synthesis of Imidazo[1, 2-a] pyridines: "Water-Mediated" Hydroamination and SilverCatalysed Amino oxygenation. D. C. Mohan, **Sadu Nageswara Rao**, S. Adimurthy.* **J. Org. Chem**. **2013**, *78*, 1266. (Top most-accessed article in the month of February 2013).

11. I_2-Catalyzed Oxidative Amidation of Benzylamines and Benzyl Cyanides under Mild Conditions. **Sadu Nageswara Rao**, N. N. K. Reddy, S. Samanta, S. Adimurthy.* ***J. Org. Chem***. **2017**, *82*, 13632.

12. L-Proline: an efficient and selective catalyst for transamidation of thioamides with amines. **Sadu Nageswara Rao**, D. C. Mohan, S. Adimurthy.* ***J Biomol Res Ther***., **2016**, *5*:140.

13. AIBN-Promoted Amidation of Amines with 1, 3-diketones via Oxidative Cleavage of C-C Bond under Oxygen Atmosphere. **Sadu Nageswara Rao**, D. C. Mohan, S. Adimurthy.* ***Tetrahedron***., **2016**, *72*, 4889.

14. H-β-Zeolite Catalysed Transamidation of Carboxamides, Phthalimide, Formamides and Thioamides with Amines under neat Conditions. **Sadu Nageswara Rao**, D. C. Mohan, S. Adimurthy**.* *RSC Adv***., **2015**, *5*, 95313.

15. Chitosan: an efficient recyclable catalyst for transamidation of carboxamides with amines under neat conditions. **Sadu Nageswara Rao**, D. C. Mohan, S. Adimurthy.* Green.Chem, **2014**, *16*, 4122. (Top most-accessed article in the month of August **2014**).

16. L-Proline: An Efficient Catalyst for Transamidation of Carboxamides with Amines. **Sadu Nageswara Rao**, D. C. Mohan, S. Adimurthy.* ***Org. Lett***., **2013**,*15*,1496. (Top mostaccessed article in the month of April 2013).