Department of Chemistry

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Designation & Current Position	**Assistant Professor**, Department of Chemistry, Uka Tarsadia University, Maliba Campus, Gopal Vidyanagar, Bardoli Dist: Surat, Gujarat, INDIA, www.utu.ac.in
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Qualification	**M.Sc. (Andhra University, Visakhapatnam, Andhra Pradesh),** **NET-JRF (Joint CSIR-UGC Examination),** **Ph.D. (CSIR-IIIM, Jammu, Jammu & Kashmir);**
Area of interest	• Study the distinguished behavior of various reactions of different nucleophiles with some distinctive electrophiles based on their crucial disparity of electrophilicity through α/2-oxo group compare to general electrophiles [aldehyde (C=O), imine (C=N), iminium ion ($C=N^+$)]. • Metal free/ catalysed activation of C=N based cyclizations to procure various medicinally important heterocyclic scaffolds. • Design and synthesis of small molecule libraries as target inhibitors for various important biological functions. • Total synthesis and biological exploration of natural product molecules. • C-H activation of electron deficient systems and unactivated positions.
Experience	**Teaching Experience:** Worked as **Chemistry Lecturer** in **Andhra University** (PSV Degree & PG College) to Graduate and Post graduate students. (June 2005 to Apr-2010) **Topics to be taught**: Structure and Bonding, Symmetry, fundamental Organic chemistry, Stereo chemistry, Organic & molecular Spectroscopy, Reaction mechanism, Organic Synthesis, Quantum chemistry, NET chemistry. **Industrial Experience:** Worked as **Research Scientist** in **Enanti Labs (p) Ltd.**, Thanam (Vil), Parawada, Visakhapatnam, and Andhra Pradesh. (Feb-2016 to Aug-2016) **Total Experience:** 6 years 4 months
Achievements and Awards	• Best research paper award at Indian Institute of Integrative Medicine, Council of Scientific and Industrial Research (CSIR), Canal road, Jammu-180001, India in 2014. • Secured 67th rank in state level M.Sc Entrance Examination (Andhra University Common Entrance Test).

	• Award of **Ph.D. research fellowship from CSIR**, during (2010-2015). • Qualified **CSIR (NET)-JRF**-2008 (Dec.) exam conducted by Council of Scientific and Industrial Research, India in 2008 (in Chemical Sciences).
List of Publications	1. Khan, S.; **Battula, S.**; Ahmed, Q. N. Aroyl group driven [1,2] phosphonate-phosphate/ phosphineoxide-phosphinate rearrangement. *Tetrahedron* **2016**, *72*, 4273-4279. *Impact factor*: 2.645 2. Battini, N.; **Battula, S.***;* Ahmed, Q. N. Copper Assisted Synthesis of 2-Hydroxyphenyl-1,2-diones from Phenols and 2-Oxoaldehydes. *Eur. J. Org. Chem.* **2016**, *2016*, 658-662. (*Selected as* ***Wiley Hot Topic****)*. *Impact factor*: 3.068, *Citations*: 1 3. **Battula, S.;** Kumar, A.; Gupta, A. P.; Ahmed, Q. N. 2- Oxo Driven N_2 Elimination Induced Decarbonylative Cyclization reaction in Benzotriazoles to 6-Aminophenanthridines. *Org. Lett.* **2015**, *17*, 5562-5565. *Impact factor*: 6.732, *Citations*: 6 4. **Battula, S.**; Kumar, A.; Ahmed, Q. N. Metal-Free Oxidative Cleavage of C-C bond in *α*-Hydroxy-*β*-oxophosphonates. *Org. Biomol. Chem.,* **2015***, 13,* 9953–9956. *Impact factor*: 3.559, *Citations*: 4 5. **Battula, S.**; Battini, N.; Singh, D.; Ahmed, Q. N. 2-Oxo Group promoted Hydrophosphonylation & Intramolecular Oxidative Nucleophilic Displacement. *Org. Biomol. Chem.,* **2015***, 13,* 8637–8641. *Impact factor*: 3.559, *Citations*: 6 6. Battini, N.; **Battula, S.;** Kumar, R. R.; Ahmed, Q. N. 2- Oxo Driven Unconventional reactions: Microwave Assisted Approaches to Tetrahydrofuro[3,2- d]oxazoles and Furanones. *Org. Lett.* **2015**, *17*, 2992-2995. *Impact factor*: 6.732, *Citations*: 13 7. Mupparapu, N.;§ Battini, N.;§ **Battula, S.**;§ Khan, S.;§ Vishwakarma, R.A.; Ahmed, Q. N. Aminocatalytic Cross-Coupling Approach via Iminium Ions to different C-C Bonds. *Chem. Eur. J.* **2015**, *21*, 2954-2960 (§***equal contributors***).

Impact factor: 5.771, *Citations*: 19

8. **Battula, S.**; Vishwakarma, R.A.; Ahmed, Q. N. Cu-benzotriazole-catalyzed electrophilic cyclization of N-arylimines: a methodical tandem approach to O-protected-4hydroxyquinazolines. *RSC Adv*., **2014**, *4*, 38375-38378.
Impact factor: 3.289, *Citations*: 3

9. Mupparapu, N.; Khan, S.; **Battula, S.**; Kushwaha, M.; Gupta, A. P.; Vishwakarma, R.A.; Ahmed, Q. N. Metal-Free Oxidative Amidation of 2- Oxoaldehydes: A Facile Access to α- Ketoamides. *Org. Lett.* **2014**, *16*, 1152-1155.
Impact factor: 6.732, *Citations*: 71

10. Bharate, S.B.; Mudududdla, R.; Bharate, J.B.; Battini, N.; **Battula, S.**; Yadav, R.R.; Singh, B.; Vishwakarma, R.A. Tandem one-pot synthesis of flavans by recyclable silica-$HClO_4$ catalyzed Knoevenagel condensation and [4+2]-Diels-Alder cycloaddition. *Org. Biomol. Chem.* **2012**, *10*, 5143-5150. [Selected by Editorial Board of SYNFACTS for its important highlights: Silica-$HClO_4$ catalyst for one-pot preparation of flavans. *SYNFACTS* **2012**, *8* (9), 1042); this article is featured in the top 10% of the most highly cited articles of *Org. Biomol. Chem.* during 2012].
Impact factor: 3.559 (OBC), 2.718 (*Synfacts*), *Citations*: 24

11. Bharate, S.B.; Yadav, R.R.; **Battula, S.**; Vishwakarma, R.A. Meridianins: Marine-Derived Potent Kinase Inhibitors. *Mini. Rev. Med. Chem*., **2012**, *12*, 618-631.
Impact factor: 2.903, *Citations*: 27

(Two more manuscripts are under process)

1. **Battula, S.**; Vishwakarma, R.A.; Ahmed, Q. N. A Facile Access to *β*-Carboline-3-carboxamide via One-Pot amidation/ aromatization of Tetrahydro-β-carboline-3-ester: Total synthesis of Marinacarboline A & C.

2. **Battula, S.**; Vishwakarma, R.A.; Ahmed, Q. N. *β*-Carboline-3-carboxamide scaffold identified as a promissing inhibitor as antimarial through its phosphodiesterase enzyme inhibition.

More Information: (Scholar Pages)	More information and auxiliary documents can be found at: **Google Scholar:** https://scholar.google.co.in/citations?hl=en&authuser=1&user=wcm9298AAAAJ **Research gate:** https://www.researchgate.net/profile/Satyam_Battula **Academia:** https://srimca.academia.edu/SatyamBattula **Total citations:** 198, **Total Impact factor**: 51.267, **h-index**: 7, **i10-index:** 5
Seminar/ Conference	• Conference attended at "Chemical Research Society North Zone Meeting" University of Jammu, Jammu, India (Nov-**2011**). • Attended and Poster presented at DBT Sponsored National Symposium on Bioinformatics: Challenges in the post-genomic era. (2012).
Research Guidance	M.Sc. students -25 Ph.D. students - nil