

CURRICULUM VITAE

THULASIRAM BATHINI

Mobile: +91-9182518056,

whatsapp: 9703599810

E-mail: btrchem09@gmail.com

Research Gate: [https://www.researchgate.net/profile/Thulasiram Bathini](https://www.researchgate.net/profile/Thulasiram_Bathini)

Google Scholar: <https://goo.gl/awg7uZ>



Education & Experience:

2018.Oct - 2020.Jan: **Post Doctoral Fellow**, Shanghai Jiao Tong University (SJTU), Shanghai. Working Area: "*Incorporation of Biologically active Drugs into DNA through automated Synthesis*".

2012 - 2018 **Ph.D. in Organic Chemistry**, Indian Institute of Chemical Technology (IICT), Hyderabad, India.

Research supervisor : Dr. B. Sreedhar, Sr. Principal Scientist, IICT.

Thesis title: "Development of novel synthetic methodologies and mononuclear copper(II) polypyridyl complexes as targeting agents for various cancer cell lines".

2009-2011 **Master of Science (M.Sc):** Organic Chemistry, First class, TSR & TBK P.G. College, Andhra University, Visakhapatnam, Andhra Pradesh, India.

2006-2009 **Bachelor of Science (B.Sc.):** Chemistry, Biochemistry and Biotechnology, First class, PNC & KR degree college, Narasaraopet, Acharya Nagarjuna University, Andhra Pradesh, India.

Awards/Fellowships Received:

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| 2015-2017 | Senior Research Fellowship (SRF) , CSIR-UGC Council for Scientific and Industrial Research-Union Grants Commission, Govt. of India. |
| 2012-2014 | Junior Research Fellowship (JRF) , CSIR-UGC Council for Scientific and Industrial Research-Union Grants Commission, Govt. of India. |

Profile Summary:

- Strong skills and a proven track record in synthetic organic chemistry, compound purification and structural characterization by NMR, MASS, IR and GC.
- Skilled in planning and organizing day-to-day research activities and resolving procedural problems as appropriate to the timely completion of research objectives.
- Profound literature search skills, ability to design & improve synthetic routes to support studies and deliver large scale compounds.
- Highly motivated, creative and able to maintain excellent documentation of the experimental work.
- Possess oral and written communication skills in English, and a strong work ethic.

List of Publications:

1. Selective copper-catalyzed N-arylation of lactams with arylboronic acids under base- and ligand-free conditions.
Thulasiram Bathini, Vikas S. Rawat, Sreedhar Bojja, *Synlett*, **2015**, 26, 1348–1351.
2. *In situ* protection and deprotection of amines for iron catalyzed oxidative amidation of aldehydes.
Thulasiram Bathini, Vikas S. Rawat, Sreedhar Bojja, *Tetrahedron Letters*, **2015**, 56, 5656–5660.
3. Magnetic CuFe₂O₄ nanoparticles: A retrievable catalyst for oxidative amidation of aldehydes with amine hydrochloride salts.
A. Suresh Kumar, **B. Thulasiram**, S. Bala Laxmi, V. S. Rawat, B. Sreedhar,

Tetrahedron, **2014**, 70, 6059–6067.

4. Catalyst-free activation of methylene chloride and alkynes by amines in a three- component coupling reaction to propargylamines.

Vikas S. Rawat, **Thulasiram Bathini**, S. Govardan and Bojja Sreedhar, *Organic and Biomolecular Chemistry*, **2014**, 12, 6725–6729.

5. Antiangiogenic activity of mononuclear copper(II) polypyridyl complexes for the treatment of cancers.

Penumaka Nagababu[#], Ayan Kumar Barui[#], **Bathini Thulasiram**[#], C. Shobha Devi, S. Satyanarayana, Chitta Ranjan Patra, and Bojja Sreedhar, *Journal of Medicinal Chemistry*, **2015**, 58, 5226–5241, (# = Equal contribution).

6. Correlation Between Molecular Modelling and Spectroscopic Techniques in Investigation With DNA Binding Interaction of Ruthenium (II) Complexes.

B. Thulasiram, Y. Praveen Kumar, Rajeshwar Rao Aerva, S Satyanarayana, P. Nagababu, *Journal of fluorescence*, **2017**, 27, 587-594.

7. Analytical Techniques Used to Detect DNA Binding Modes of Ruthenium (II) Complexes with Extended Phenanthroline Ring.

C. Shobha Devi, **B. Thulasiram**, S. Satyanarayana, P. Nagababu, *Journal of fluorescence*, **2017**, 2017, 27, 2119-2130.

8. Design of DNA-Intercalators based copper(II) complexes and investigation of their potential anti-cancer activity and sub-chronic toxicity.

V. Sravan Bollu [#], **Thulasiram Bathini** [#], A. K. Barui, R. Nagarjuna Chary, Swamy maloth, S. Prabhakar, B. Sreedhar, P. Nagababu, C. R. Patra, *Materials Science and Engineering: C*, 105 (2019): 110079. (# = Equal contribution).

Conferences/Presentations:

1. **21st Chemical Research Society of India** - National Symposium in Chemistry (CRSI- NSC-21); July 14-16, 2017 at CSIR-IICT, Hyderabad.
2. International Conference on **Nature Inspired Initiatives in Chemical Trends Organic Synthesis** (NIICT - 2016); September 19-20, 2016 at

CSIR-IICT, Hyderabad.

3. 17th National Workshop on **Challenges in Catalysis Science and Technology** (CCST- 2016); June 23 - 25, 2016 at CSIR-IICT, Hyderabad.
4. International Conference on “**Recent Advances in Chemistry and Chemical Engineering**” (ICRACACE2016), July 11-13, 2016 at Jawaharlal Nehru Technological University, Hyderabad.
5. Participated in “**A Tributary Symposium 100 Years of Chemical Bonding**” which was held in 4th August 2016, at CSIR-IICT, Hyderabad, India.
6. National Symposium on **Recent Advances in Chemical & Material Sciences** (RACMS 2016), 20-21st Aug, 2016 at Rajiv Gandhi University of Knowledge Technologies (RJUKT) Basar, Adilabad-504107, Telangana, India.

Personal Profile:

Name	: THULASRAM BATHINI
Date of Birth	: 12th June 1988
Gender	: Male
Nationality	: Indian
Marital status	: Married
Languages known	: English and Telugu

Declaration

I hereby declare that the information provided by me is true, correct to the best of my knowledge and belief.

Date:

Place: Hyderabad.

THULASIRMBATHINI