

SCHOOL OF SCIENCES

Name: Eppa Gyanchander

Designation: Assistant Professor

Department: Chemistry

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EDUCATIONAL QUALIFICATIONS

Ph.D. (Organic Chemistry), 2017, Indian Institute of Chemical Technology (Registration: JNTUH)

M.Sc. Organic Chemistry, 2004, Kakatiya University

B.Sc. B.C (Botany, Zoology, Chemistry), 2002, Kakatiya University

Work Experience (latest first)

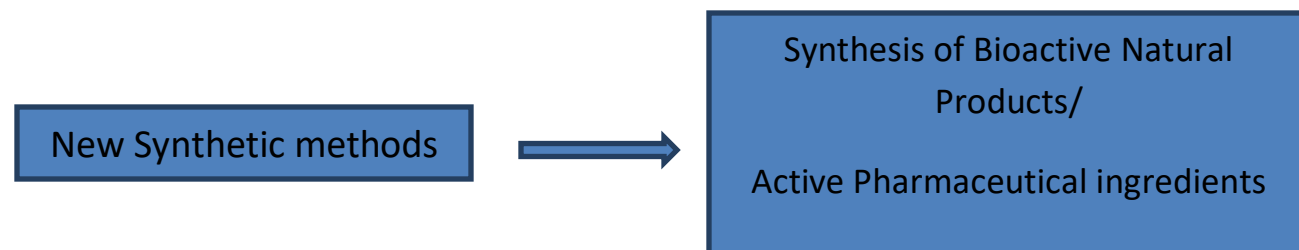
- Working as an assistant professor in Indrashil university from 1st August 2018.
- Worked as an associate scientist in Indrashil institute of science and technology from September 11th, 2017 to 31st July 2018.
- Research Associate in organic chemistry under Dr. Jinkun Cha, Professor in Organic Chemistry, Department of Chemistry, Wayne State University, Detroit, Michigan-48202, USA. (1st December 2015 to 14th March 2017).
- I worked as an Associate scientist in GVK-Bio, IDA Nacharam, Hyderabad, 500007, India. (5th May-2014 to 14th November-2015)
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SUBJECTS TAUGHT

- Advanced organic Chemistry (CH5101)
- Applications of Spectroscopy-II (CH5104)
- Applications of Spectroscopy-I (CH4205)
- Basic Chemistry-I (CH1103)
- Basic Chemistry-II (CH1202)
- Engineering Chemistry (CHE 101)

RESEARCH AREA:

Expertise in designing and executing the multi-step synthesis of complex bioactive natural products/ Active pharmaceutical ingredients. Development of new methodologies for organic synthesis (C-C bond formation and CH activation) applying to Bio active compound synthesis.



PROJECTS

NA

HONOR/AWARD

- NSF (USA) Sponsored Post-Doctoral Fellowship.
- Awarded Senior Research Fellowship (SRF) from the Council for Scientific and Industrial Research (CSIR), New Delhi, India (2009).
- Awarded Junior Research Fellowship (JRF) from the Council for Scientific and Industrial Research (CSIR), New Delhi, India (2007-2009).
- Secured 2nd rank in M.Sc. chemistry in Kakatiya University in 2004.

MEMBERSHIP

- NA

KEY PUBLICATIONS

- Kanugula Bhavani, E. GyanChander, Saibal Das, and Jhillu Singh Yadav; *ChemistrySelect* **2018**, *3*, 3391 – 3393. Studies towards the Total Synthesis of Aspergillide-B.
- Naresh T, E. GyanChander, J K Cha; *J. Org. Chem.*, **2017**, *82*, 4379–4385. Cu-Mediated Rearrangements of Allenylcyclopropanols to Cyclopentenones; Two Divergent Pathways.
- E. GyanChander, Sridhar. Y, Naresh T, J K Cha; *Org. Lett.*, **2016**, *18*, 6098–6101. Mechanism of Ru(II)-Catalyzed Rearrangements of Allenyl- and Alkynylcyclopropanols to Cyclopentenones.
- J. S. Yadav, E. GyanChander, B. Sheshurao, Saibal das; *Tetrahedron letters*. **2015**, *56*, 1360-1362. Enantioselective Syntheses of Diarylheptanoids (2R,4S,6R)-2-(4-hydroxyphenethyl)-6-(4-hydroxyphenyl) tetrahydro-2H-pyran-4-ol and (3R,5R)-1,7-bis(4-hydroxyphenyl) heptane-3,5-diol.
- J. S. Yadav, E. GyanChander, Saibal das; *Tetrahedron letters*. **2014**, *55*, 3996-3998. Application of oxetane ring opening toward stereoselective synthesis of zincophorin fragment.
- J. S. Yadav, E. GyanChander, A. K. Mishra, P. Adithya, S. das; *Tetrahedron letters*. **2013**, *54*, 5879-5882. Novel iodine catalyzed diastereoselective synthesis of trans-2,6-disubstituted tetrahydro-2H-pyrans; synthesis of C1-C13 fragment of bistramide-A.

BOOKS

- NA

BOOK CHAPTERS

- NA

CONFERENCES(Selected)

- Participated in the International Symposium on Organic Synthesis and Human Well Being: Emerging Opportunities and Challenges (OSHWB) held at IICT, Hyderabad, India (Aug 1st to 4th, 2010).
- Participated in International conference on “MEDCHEM Congress 2011” held at IICT, Hyderabad, India (25th and 26th February 2011).
- Participated in International symposium on “Chemistry and Chemical Biology of Natural Products” held at IICT, Hyderabad, India (2th to 4th August 2012).

WORKSHOP/TRAINING (Selected)

- NA

PATENTS/ TECHNOLOGY TRANSFER

- One Indian and U.S patent is filed.

OTHER INFORMATIOS

NA