

Vinod Kumar Gattoji

Dr Peter Andreana Research group,

Dept Of Chemistry and Biochemistry, University Of Toledo

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EXECUTIVE SUMMARY

- An organic chemist with strong knowledge of carbohydrate and analytical chemistry skills including glycosidations and characterization of compounds using advanced analytical techniques.
- High analytical thinking with demonstrated talent for identifying, scrutinizing, improving, and streamlining complex work processes.
- Expertise in literature search using various search engines like Scifinder, Web of Science, Isentris and Google.
- Resourceful team player who excels at building relationships with clients and colleagues.
- Excellent communicator in conveying information verbally and in writing.
- Ability to prioritize and schedule work to meet demands set by the department or company.

TECHNICAL SKILLS

- **Analytical Competencies:** ESI-MS and MALDI-MS, UV/Visible spectrophotometer, NMR and ESR spectroscopy, IR Spectroscopy.
- **Organic Chemistry Competencies:** Assymetric synthesis, Chromatography (HPLC, GC).
- **Software Applications:** Web Of Science, Accelrys Symx draw, Accelrys Isentris ChemDraw, Scifinder, EndNote, Adobe Acrobat X, Medical subject headings (MeSH) and Microsoft Office (Word, PowerPoint, Excel).

EDUCATION

PhD, Fourth year Graduate Student, Dr Peter Andreana Research group, **August 2016 - Present**

University of Toledo, Ohio

M.S., Physical-Organic Chemistry, University College of Science, Osmania University,

Hyderabad India

May 2013

B.S., Chemistry, Osmania University, Hyderabad, India

June 2010

RESEARCH EXPERIENCE

Research Intern, School of Chemistry, University of Hyderabad, India

June 2013- August 2013

- Explored the reactions of diastereoselective synthesis of propargylamines using (R,R)-1-benzyl-2,3-diphenylpiperazine, aldehyde, 1-alkyne and copper iodide.

Associate Research Analyst, THOMSON REUTERS INDIA

December 2013- June 2016

- Indexing the complete reaction scheme and all related content of new synthetic method in to the database Current Chemical Reactions (CCR) and complete details of novel compounds in to database Index Chemicus (IC) from national and international publications. The databases CCR and IC are the crucial parts of the company's product Web of Science (WOS).

TEACHING EXPERIENCE

- Taught OCHEM1 and OCHEM2 labs for undergraduates since August 2016.

AWARDS

- Best Poster award at MCGS-2018 held at Michigan State University.
- Univeristy of Toledo COGS-GSA research award recipient in 2017.
- Scored 91.5 percentile with All India Rank 1004 in GATE, an online Ph.D entrance exam conducted by IIT in India.

SEMINARS AND WORKSHOPS ATTENDED

- Attended MCGS 2018 and 2019 held at Michigan State University and University of Notre Dame respectively.
- Science academies' lecture workshop on "Modern Chemistry and Biology" at National Institute of Pharmaceutical Education and Research (NIPER), Hyderabad, India held on 27th and 28th February, 2013.
- "Role of chemistry in modern life" held at A.V. College of Arts, Science and Commerce, Hyderabad, India on 28th and 29th June 2012 sponsored by University Grants Commission, India.

EXTRA-CURRICULAR ACTIVITIES

- Won the title "Mr.Ethnic 2015" for best ethnic wear at the annually held cultural fest "UTSAV" held at Thomson Reuters.
- Anchored annual day celebrations while studying Post graduation at Osmania University.
- Stood first in Essay wring and Elocution in Intra-college competition at Osmania University.