



Dr. Gourav Upadhyay

Assistant Professor, Chemistry, SOS

Education Qualification:

Ph.D. (Organic Chemistry), The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat

M.Sc. (Organic Chemistry), The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat

B.Sc. (Industrial Chemistry), Sardar Patel University, Vallabh Vidyanagar, Anand, Gujarat

Research Interest:

Organic synthesis

Publications:

1. Synthesis of carbazole derived aza[7]helicenes.

Gourav M. Upadhyay, Harish R. Talele, Sibaprasad Sahoo, Ashutosh V. Bedekar
Tetrahedron Lett. **2014**, *55*, 5394.

2. Synthesis and photophysical properties of bi-aza[5]helicene and bi-aza[6]helicene. **Gourav M. Upadhyay**, Ashutosh V. Bedekar *Tetrahedron* **2015**, *71*, 5644.

3. Synthesis and Photophysical Properties of Aza[*n*]helicenes.

Gourav M. Upadhyay, Harish R. Talele, Ashutosh V. Bedekar *J. Org. Chem.* **2016**, *81*, 7751.

4. Effect of the Position of the Cyano Group on Molecular Recognition, Supramolecular Superhelix Architecture, and Spontaneous Resolution of Aza[7]helicenes.

Gourav M. Upadhyay, Hemant M. Mande, Dhruvi K. Pithadia, Ronak H.

Maradiya and Ashutosh V. Bedekar *Cryst. Growth Des.* **2019**, *19*, 5354.

5. Benzyl isobornyl amines: a simple and practical class of NMR discriminating agents for effective chiral recognition of acids.

Jayaraman Kannappan, Aditya N. Khanvilkar, **Gourav M. Upadhvay**, Ashutosh V. Bedekar *Tetrahedron: Asymmetry* **2017**, *28*, 1297.

Patent:

1. International Application Number: PCT/EP2014/078647 dated 19th December 2014, Title “POLYAMIDES MODIFIED WITH (PER)FLUOROPOLYETHER SEGMENTS” published on 2nd July 2015. (Publication Number: **WO 2015/097076 A1**)

Industry Experience:

1. Worked as Research Assistant at the **Sun Pharmaceuticals Industries Limited** from June 2010 to March 2011.
2. Worked as Research Assistant at **Solvay Specialties India Pvt. Ltd.** from April 2011 to July 2013.

Courses Taught:

1. Worked as a Temporary Assistant Professor at the M. S. University of Baroda from July 2019 to June 2020. (Conducted UG syllabus practical's)
2. Delivered lecture on “Principles of Stereochemistry” at the National Workshop on Problem Solving Techniques in Science, The M. S. University of Baroda (2019).

Conference & Seminar:

1. **Participated** at National Conference on Chirality (NCC-2013), The M. S. University of Baroda, in December 2013.
2. **Poster presented** at 17th Chemical Research Society of India (CRSI) National Symposium in Chemistry, NCL Pune in February 2015.
3. **Poster presented** at National Conference on Recent Trends in Science of Materials, The M. S. University of Baroda, in December 2015.
4. **Participated** at National Conference on Chirality (NCC-2015), The M. S. University of Baroda, in December. 2015.
5. **Participated** at Workshop on National School of NMR, The M. S. University of Baroda, Vadodara.
6. **Participated** at National Seminar on the Frontier Area in Chemical sciences, The M.

S. University of Baroda, March 2016.

7. **Oral presentation** at the National Conference on Chirality (NCC-2017), The M. S. University of Baroda, in December-2017.

8. **Poster presented** at 23rd Chemical Research society of India (CRSI) National Symposium in Chemistry, IISER Bhopal in July 2018.

Awards& Honors:

1. University gold medal (B.Sc.)
2. Qualified CSIR NET and GATE examinations.

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