

List of Publications

1. Synthesis and characterization of chiral aza-macrocycles and study of their enantiomer recognition ability for organo-phosphoric acid and phosphonic acid derivatives by ^{31}P NMR and fluorescence spectroscopy.
Aditya N. Khanvilkar, Ashutosh V. Bedekar *Org. Biomol. Chem.*, **2016**, *14*, 2742.
2. Optically pure 2-(quinolin-8-yloxy)cyclohexan-1-ol as a practical agent for molecular recognition by NMR and fluorescence spectroscopy.
Aditya N. Khanvilkar, Ashutosh V. Bedekar *Chem. Commun.*, **2018**, *54*, 11037.
3. Applications of chiral naphthyloxycyclohexanols in deracemization of α -substituted carboxylic acids by dynamic thermodynamic resolution.
Aditya N. Khanvilkar, Sudeep G. Samanta, Ashutosh V. Bedekar *Org. Biomol. Chem.*, **2019**, *17*, 2670.
4. Synthesis and applications of chiral aza crown ethers in enantiomeric recognition.
Aditya N. Khanvilkar, Ashutosh V. Bedekar *Manuscript under preparation*.

Conferences

1. **Poster presented** at National Conference on Chirality, M. S. University of Baroda, 7-8 Dec 2013.
2. **Poster presented** at National Conference on advances in synthetic and materials chemistry, University of Mumbai, 10-11 March 2014.
3. **Poster presented** at 17th Chemical Research Society Of India (CRSI) National Symposium in Chemistry, NCL Pune, 5-8 Feb 2015.
4. **Awarded Excellent Oral presentation** at National Conference on Chirality, M. S. University of Baroda, 18-19 Dec 2015.
5. **Poster presented** at 19th Chemical Research Society of India (CRSI) National Symposium in Chemistry, University Of North Bengal, 14-16 July 2016.
6. **Participated** at National Seminar on Frontier Area in Chemical Sciences, M.S. University Of Baroda, 19 March 2016.
7. **Awarded Best Poster Presentation** at National Conference on Chirality, M. S. University of Baroda, 10-11 Nov 2017.
8. **Poster presented** at 23rd Chemical Research Society of India (CRSI) National Symposium in Chemistry, IISER Bhopal, 13-15 July 2018.
9. **Awarded Best Poster Presentation** at National Symposium on Advances in Chemical Research, M. S. University Of Baroda, 24th Feb 2019.