

Resmi Mohan

University of Cologne
Institute of Organic Chemistry
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Personal Data

Gender: Female
Date of Birth: 29 October 1981

Place of Birth: India
Nationality: Indian

Educational Background

November 2006- present

University of Cologne, Germany
PhD student under the supervision of Prof. Dr. Albrecht Berkessel

2002 –2004

Mahatma Gandhi University, Kerala, India
MSc in Chemistry

1999- 2002

Mahatma Gandhi University, Kerala, India
BSc in Chemistry

Research Experience

July 2004-October 2004

National Institute for Interdisciplinary Science & Technology (CSIR), Kerala, India

MSc thesis under the guidance of Dr. Vijay Nair
Title: Investigation on the Photochemical Rearrangement of the Heterocyclic Compounds Obtained by the Dipolar Cycloaddition Reaction of Carbonyl Ylides to 1,2-Benzoquinones

May 2005 –November 2006

National Institute for Interdisciplinary Science & Technology (CSIR), Kerala, India

- Worked in the area of dipolar cycloaddition reactions.
- Involved in the reactions catalyzed by N-Heterocyclic carbenes.

Publications

1. N-Heterocyclic Carbene Catalyzed Reaction of Enals and 1, 2 Dicarbonyl Compounds: Stereoselective Synthesis of Spiro γ -Butyrolactones. Nair, V.; Vellalath, S.; Poonoth, M.; **Resmi Mohan**; Suresh, E. *Org. Lett.* **2006**, *8*, 507.
2. Reactions of Dimethoxycarbene- DMAD Zwitterion with 1, 2-Diones and Anhydrides: A Novel Synthesis of Highly Substituted Dihydrofurans and Spirodihydrofurans. Nair, V.; Deepthi, A.; Poonoth, M.; Santhamma, B.; Vellalath, S.; Babu, B. P.; **Resmi Mohan**; Suresh, E. *J. Org. Chem.* **2006**, *71*, 2313.

Posters presented

1. Novel Three Reagent Pseudo four Component reaction Involving N- Heterocyclic Carbenes, Activated Acetylenes and Aldehydes **Resmi Mohan**; ManojKumar, P.; Sreekumar, V.; Nair, V. International Symposium on Advances in Organic Chemistry; Kottayam, January, 2006, Poster # P-129.