

September
2012

A publication of the INDIGO PhD network

PEOPLE

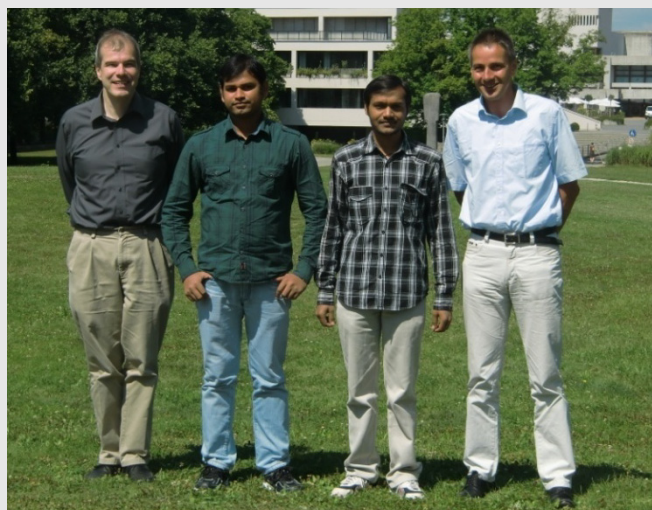
More Indian and German students
participate in the INDIGO programme

Another three young scientists from India came to Regensburg to take part in the INDIGO exchange programme in 2012.

Mr. Maloy Nayak from the group of Prof. Sanjay Batra (Central Drug Research Institute (CDRI), Lucknow) started his six-month research project at the Institute of Organic Chemistry in Regensburg with Prof. Oliver Reiser in May 2012, investigating isocyanates as ligands for metal catalysis.

Mr. Rajendra Shankar Rohokale from the group of Prof. Dilip Dhavale (University of Pune) joined the group of Prof. Burkhard König at the University of Regensburg in June. He is working on the activation of diazoketones using visible light photocatalysis.

In fall, both students will move on to Ludwigs-hafen for an internship with BASF.



Prof. Oliver Reiser, Maloy Nayak, Rajendra Rohokale, and Prof. Burkhard König (from left to right) at the Campus in Regensburg

In September, the third INDIGO student from India, **Mr. Tamal Ghosh** from the group of Prof. S. Sankararaman (Indian Institute of Technology Madras) has arrived in Regensburg to work in the group of Prof. Burkhard König. He will study new applications of chemical photocatalysis in organic synthesis.

Earlier this year, three students from Regensburg took the opportunity to get away from the German winter and went to India for a research stay. **Mr. Paul Kohls** from the group of Prof. Oliver Reiser worked from January to April with Prof. Ganesh Pandey at the National Chemical Laboratory in Pune investigating a novel diastereoselective method for photo-catalytic conjugate additions.



Deepak Jadhav (left) and Paul Kohls (right) at the NCL Pune

Mr. Viktor Kais and **Mr. Matthias Knorn** (also from the Reiser-group) completed their research stay at the Indian Institute of Chemical Technology (IICT) in Hyderabad. There, Viktor Kais studied the intramolecular atomic transfer radical addition (ATRA) reaction for C-O activation in the group of Prof. B. V. Subba Reddy, and Matthias Knorn worked in the group of Prof. Bojja Sreedhar on magnetically recoverable CuFe_2O_4 nanoparticles catalyzed synthesis of aryl azides and 1,4-diaryl 1,2,3-triazoles from boronic acids in water.



Viktor Kais, Prof. Subba Reddy, and Matthias Knorn (from left to right) at the IICT Hyderabad

REPORT

February 12th to 16th 2012: Third INDIGO PhD research conference

The third INDIGO research conference and intensive course on sustainable chemistry, hosted by the Ideal Beach Resort in Mahabalipuram and organized by Prof. Sankararaman of the Indian Institute of Technology Madras (IITM), brought together 50 representatives of the German and Indian INDIGO partner institutes. Professors and PhD students from the Universität Regensburg (UR), the Technische Universität München (TUM), Technische Universität Braunschweig (TU Braunschweig), 11 Indian research institutes and universities took part and presented the results of the established co-operations and joint projects.

From the Indian side representatives of the following institutions were present: Indian Institute of Sciences Bangalore, Indian Institute of Technology Madras, Institute of Life Sciences Hyderabad, University of Hyderabad, National Chemical Laboratory Pune, University of Pune, Indian Institute of Science Education and Research Pune, Indian Institute of Science Education and Research Bhopal, Central Drug Research Institute Lucknow.

In addition to the presentations of the different working groups by the professors in the areas of (photo)catalysis, functional materials, natural product and drug synthesis, and transformation of

biomass into fine chemicals, the active participation of the German and Indian PhD students with short presentations about their co-operation projects was an essential part of the conference programme.

In two interactive training sessions, held by Christopher Hunter (University of Sheffield, UK) and Hendrik Zipse (LMU Munich, Germany), the Indian and German students could refresh and increase their knowledge. Christopher Hunter illustrated in his seminar about molecular recognition the relevance of hydrogen bonds. During the lecture of Hendrik Zipse the students learned a lot about the stability and relevance of radicals in chemistry and biology.

Besides the presentations and lectures, the meeting offered plenty possibilities to make contacts for new co-operations within the network. And even small gaps for a swim in the bay of Bengal and a sightseeing trip to the impressive ancient shore temples of Mahabalipuram dating from the 7th and 8th century were found in the tight schedule.

The next INDIGO conference will take place from 6th to 10th October 2013 again in Germany and will be hosted by the BASF, the industrial partner of the network.



Detailed information and latest news about the project at:
www.sustainable-chemistry.de/INDIGO



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