



Chemistry

INDIGO



Indian-German Graduate School
of Advanced Organic Synthesis for a Sustainable Future

Newsletter 2/2009

DAAD

December
2009

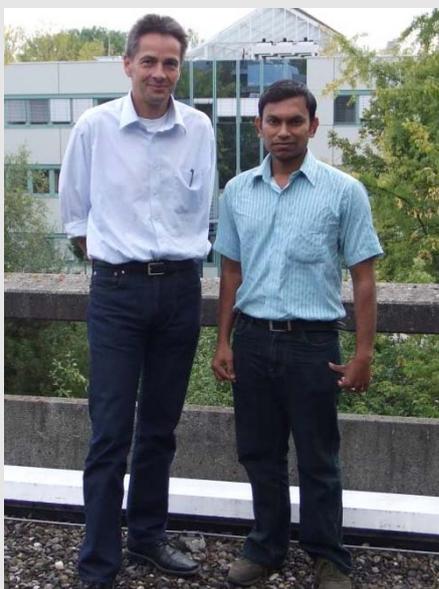
A publication of the INDIGO PhD network

SUSTAINABLE CHEMISTRY ON THE MOVE

PEOPLE

More Indian scientists on research mission in Germany

The fourth and fifth young Indian scientists with funding of the INDIGO programme arrived in Germany in July 2009. Mr. **Sangram Marutao Gore** from the Indian Institute of Technology Madras, Chennai, stayed in the group of Prof. Burkhard König at the University of Regensburg until November. There, he was using his expertise in the field of carbonyl and heterocyclic chemistry to develop new procedures in low melting mixtures of carbohydrates. These non conventional reaction mixtures based on renewable resources have been developed in the König group over the last years. Sangram was able to discover and optimize two new heterocycle syntheses which convert the components of the melt to complex products in high yield. The results will be part of his PhD thesis and jointly published by the Baskaran and the König group.



Mr. **Kola Sattaiah Naidu**, from the Indian Institute of Science Bangalore, worked in the group of Prof. Fritz Kühn at the Department of Chemistry at the Technical University of Munich.



Both fellows moved on to Ludwigshafen (Germany) to do a one-month internship with BASF from 15th November to 15th December 2009.

In November 2009, the sixth INDIGO student from India, Mr. **Thota Bala Naga Satyanarayana** from the Indian Institute of Science, Bangalore, arrived in Braunschweig to stay in the group of Prof. Henning Hopf until the end of February 2010. There, he works on the synthesis and study of Bile acid-Cyclophane conjugates. Afterwards he also will do a one-month internship at BASF SE.



INDIGO Partners

The **Indian Institute of Chemical Technology (IICT) in Hyderabad** is one of the INDIGO Partners and is a premier R&D Institute in India. The Institute had its origin as the Central Laboratories for Scientific & Industrial Research (CLSIR), established in 1944 by the then Government of Hyderabad State. After integration of Hyderabad State with the Indian Union, the laboratory expanded with its growing activities. Major areas of research at IICT are: Natural Products Chemistry, Agrochemicals, Drugs & Intermediates, Speciality and Fine Chemicals, Fluoroorganics, Inorganic & Physical Chemistry (Catalysis & Material Science), Lipid Sciences & Technology, Coal, Gas & Energy, Chemical Engineering and Design & Engineering.



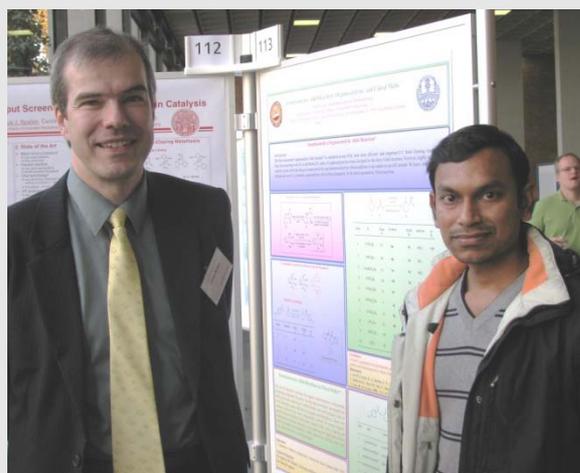
With the help of excellent design & engineering expertise available, the Institute has been providing engineering designs for commercial plants with standard commercial guarantees. More than 150 technologies developed by IICT are now in commercial production. With over 450 highly professional and dedicated scientists and technical officers/technicians, excellent laboratory and instrument facilities for research in chemical sciences and technology and allied sciences, IICT is known nationally as well as internationally for its contributions both in basic and applied research.

Heidelberg Forum of Molecular Catalysis

Sangram Gore (INDIGO student from Madras) and **Prof. Oliver Reiser** (University of Regensburg) attended the 5th Heidelberg Forum of Molecular Catalysis on November 6th 2009. It

was a forum for the presentation of outstanding scientific achievements in the field of molecular catalysis, which was jointly organized by the University of Heidelberg, the Collaborative Research Center (SFB 623) "Molecular Catalysts: Structure and Functional Design" established by the German National Science Foundation, and by BASF SE, the sponsor of this event.

The programme of the Forum included lectures and presentations by Prof. Dr. Robert G. Bergman, Prof. Dr. Melanie S. Sanford, Prof. Dr. Kyoko Nozaki, and Prof. Dr. Alois Fürstner.



PEOPLE

In January 2010 Mr. **Jadhav Deepak Deorao** from the National Chemical Laboratory Pune will arrive in Regensburg, Germany, to work in the group of Prof. Oliver Reiser at the Institute of Organic Chemistry.



CALENDAR

Second INDIGO PhD research conference in Germany

The network's second PhD research conference and intensive course on Sustainable Chemistry will take place from 3th to 6th October 2010 in Regensburg, Germany. Further information will be published timely on the INDIGO web-page.

Detailed information and latest news about the project at:

www.sustainable-chemistry.de/INDIGO



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