



# RoHan catalysis

## SDG GRADUATE SCHOOL

### ROHAN - ROSTOCK-HANOI DAAD SDG GRADUATE SCHOOL

CATALYSIS AS KEY TOWARDS SUSTAINABLE RESOURCE MANAGEMENT  
Bilateral Cooperation Rostock - Hanoi

**Call for applications 2018  
for 2 PhD positions at the HUST and VNU-HUS  
(Start 01.03.2018)**

#### **What is RoHan?**

The project RoHan is part of a new DAAD scheme, generously funded by the Federal Ministry for economic co-operation and development (BMZ), on the implementation of “SDG Graduate Schools”. The University of Rostock and the Leibniz Institute for Catalysis as well as the Hanoi University of Science and Technology (HUST) and the VNU University of Science are co-operating to implement the ROHAN Graduate School from 2016 till 2020. The aim of the project is to foster the development and establishment of catalysis technologies and processes through the training of qualified Vietnamese scientists able to assume leadership positions in both industry and academia. Focusing on rightful high-quality education and promoting life-long learning opportunities for all, as well as promoting gender equality and empowering women could have a strong impact on the achievement of the Sustainable Development Goals in 2030.

#### **What are the aims of RoHan?**

Based on the SDGs – UN Sustainable Development Goals:

- development and well-being in economic, social, and technological terms (improvement of the living conditions, training of qualified persons)
- environmental protection, e.g. through sustainability in consumption and production and sustainable resource management in tackling climate change, access to sustainable energy
- establishment of a global partnership for sustainable development

#### **Which are the research topics?**

- Catalyst for waste and waste water treatment
- Catalysis for chemical and energy conversion
- Catalysts for air pollution prevention
- Catalysts for environmental management
- Catalysts for sustainable material flow management



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### Who can apply for a scholarship?

All students from Vietnam as well as DAC-countries (see web page); preferred neighbour countries of Vietnam but not limited to **India, China, Indonesia, Cambodia, Korea, Laos, Malaysia, Mongolia, Philippine, Thailand, Timor-Leste**, can apply for scholarships to undertake doctorate studies at the Chemistry Department of the Hanoi University of Science and Technology (HUST) or the Faculty of Chemistry of the VNU University of Science (VNU-HUS) or the Faculty of Environmental Sciences of the VNU University of Science (VNU-HUS). The scholarships include a research stay from 1 – 3 months in Rostock.

### What does the scholarship cover?

The scholarship for Vietnamese awardees covers the travel expenses and a monthly grant of 500€ for 3 years. Further expenses are expected to be covered by the scholarship holder.

### How to apply?

The application should include: Letter of Motivation (1 page), full Curriculum vitae with transcript of academic records, a supervision agreement from research group leaders in both the HUST/VNU-HUS (see template on the webpage) as well as a project proposal (see template on the webpage). Certificate(s) of language proficiency is highly recommended (proficiency in English is mandatory).

Note: Special equipment for catalyst characterization and/or insitu spectroscopy is available for research under the umbrella of the RoHan Project, e.g.: TPx equipment; ESR spectrometer; UVVIS and Raman spectrometer, different photocatalytic reactors, microwave. Please visit our webpage [www.rohan-sdg.com](http://www.rohan-sdg.com) for more information.

Send your application to [application@rohan-sdg.com](mailto:application@rohan-sdg.com) before the  
**15th of January 2018**

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