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Indo-German Centre for Sustainability Call for scholarships for research projects in Germany in 2019

Deadline: February 28, 2019.

IGCS-Scholarships for IIT Madras Master students, PhD students and senior scientists for sustainability research in Germany

The IGCS awards scholarships for graduate students and researchers at IIT Madras who developed an idea for a research project in India **and** have the supervision by a German supervisor and a supervisor from IIT Madras confirmed. The duration of the scholarship varies between one to six months, depending on the academic degree.

Our Profile: The Indo-German Centre for Sustainability is a joint project between RWTH Aachen University as a representative of a group of German universities (TU9 and Christian-Albrechts-Universität zu Kiel) and the Indian Institute of Technology Madras (IITM) in Chennai, which is hosting the centre.

The IGCS' vision and mission is to evolve to an internationally acknowledged source of inspiration and skills, conceptual models and standards, as well as best practice examples for proactive sustainability transformation, enabled through collaborative research and teaching. Through various forms of support, the IGCS flexibly combine scholars and competences of all German and Indian partner universities. It is part of the DAAD initiative "A New Passage to India" and receives funding from the German Ministry for Education and Research (BMBF) through the German Academic Exchange Service (DAAD). Ongoing research projects are financed by the Ministry of Science and Technology (DST), India.

The centre comprises four research areas of sustainability: water management, waste management, land use and energy. Overarching research topics are the protection of coastal cities from the effects of climate change including coastal protection, climate change-related hazards, flood hazards, salt water intrusion and the societal and challenges that derive from climate change. Furthermore, smart mobility, eco-friendly production and pollution are topics the IGCS reacts to.

Profile of candidates: Successful applicants must be enrolled at the IIT Madras (Master students) or affiliated to the IIT Madras (PhD and established researchers). An excellent academic record, very good English skills and intercultural communication skills are further requirements. Work abroad experience and knowledge of the region is of advantage. We must not fund Indian citizens for a research project in India. The selection is based on merit. The IGCS advocates for equal opportunity and diversity.

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Specific requirements from applicants according to the academic degree:

Master students: The applicant must be a Master student in the field of Engineering and / or Environmental Sciences or in a field of study with relevance to sustainability. She / he is currently supervised by a professor at IIT Madras, who is interested in scientific cooperation with German scientists at a German university.

Profile PhD students: The applicant must be a PhD student in the field of Engineering and / or Environmental Sciences or in a field of study with relevance to sustainability. She / he is currently supervised by a professor at IIT Madras, who is interested in scientific cooperation with German scientists at a German university.

Profile Post-Docs and established researchers: If the applicant is a Postdoc, she/ he must have a PhD degree not older than 3 years in the field of Engineering and / or Environmental Sciences. Proven research track record adds value to the application.

The IGCS does not fund Indian students and researchers for research exchanges to India. The IGCS also does not fund full PhD studies in Germany.

Your Responsibility: The candidate develops a specific research topic and research plan together with her/his advisor and a German professor at a German university. The research project should address the IGCS overarching research topics and concentrate in at least one of the aforementioned four research areas. If required, IGCS provides support with regard to supervision at a German university.

What We Offer: The scholarship provides travel and living expenses according to DAAD funding rates, as a rule. The scholarship is available from March on.

<i>Academic degree</i>	<i>Duration of Stay</i>
<i>Master students</i>	1 – 3 months
<i>PhD students</i>	1 – 6 months
<i>Post-Docs and established researchers</i>	1 – 3 months

Applicants are expected to stay in India for at least one month. Preference will be given to candidates who plan to stay for the maximum duration of stay. Attention should be paid to the condition that your stay in Germany should be finished by January 2020. Successful candidates will be part of the IGCS projects and the “A New Passage to India” DAAD initiative.

How to apply: Please prepare the following documents

- Curriculum Vitae
- Motivation including the description of the research project and a timetable (including the planned starting date)
- Supervision confirmation by a German and IITM professor

- Master students: enrolment certificate and a current transcript of records (not older than six months)
- PhD and established researchers: summary of your academic career incl. a list of publications and copy of your certificates

Submit your application in a single PDF-file to the matching Indian Area Coordinator and the Indian Centre Coordinator Professor [Dr. B.S. Murty](#).

Indian Centre Coordinator

Prof. Dr. B.S. Murty
IIT Madras

Indian Area Coordinators at IGCS

Water Management
Prof. Dr. B.S. Murty, IIT Madras

Waste Management
Prof. Dr. Ligy Philip, IIT Madras

Energy
Prof. Dr. Krishna Vasudevan, IIT Madras

Land Use / rural and urban development
Prof. Dr. Sudhir Chella Rajan

For further questions, please contact Professor Dr. B.S. Murty or the German project coordinator Mrs. Malin Praktijnjo.

German Project Coordinator

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