

## SAHYOG Short-Term Exchange of Researchers

The increasing global demand for energy has led to scarcity of resources, climate change, environmental problems and a reduction in biodiversity. The Europe 2020 strategy tackles these problems by turning them into the challenge of implementing smart, inclusive and sustainable growth. As biomass and biowaste are the most efficient and abundant renewable resources forming the basis for such an economy, biotechnology in the broad sense is one of the key technologies in this context. India is also recognizing this key point with its National Action Plan for Greenhouse gas Mitigation focusing on solar energy and renewable biomass. This lays the foundation for an EU-India partnership in a key area of interest of both the regions.

### SAHYOG Project

The main aim of the project is to actively link leading organisations in the field of biomass production and bio-waste conversion research carried out within EU research programmes and related programmes by Indian national institutions. All activities conducted within SAHYOG have the objective to contribute to a joint Strategic Research Agenda (SRA) finally leading to a Roadmap for Indian and European policymakers and researchers, paving the way for a sustainable European Indian cooperation in the field of biomass production and bio-waste conversion.

### Short-Term-Exchange

**Connecting young researchers** is an important pillar for a sustainable and long-term cooperation. To enhance the networking and exchange of young talents in Europe and India in the field of biomass and biowaste a **call for proposal addressing junior experts is published in March 2013**. The winners are awarded for their outstanding academic records and their innovative and creative ideas in a relevant field of research. With this component SAHYOG seeks to **increase international cooperation** in order to jointly contribute to the development of innovative ideas and solutions in the field biomass production and biowaste conversion.

Young European and Indian researchers will be invited to visit renowned research facilities of their respective field of research. The objective is to strengthen the inter-regional exchange: Indian researchers will be invited to visit European institutions, European researchers will visit India. The exchange is envisaged for one week and is fully financed by SAHYOG. Therewith young talents will have the unique opportunity to gain first hand **insights of the respective research landscape, make contacts and build new networks**.

### Requirements

Proven excellent command of the **English language**

A **graduate degree** with above-average grades

Age: **up to 35 years**

Working in one of the following **fields of research**:

- Bioethanol production from lignocellulosic biomass
- Thermochemical conversion technologies (pyrolysis, gasification)
- Anaerobic digestion technologies (biogas, biomethane, hydrogen)
- Algae production and conversion systems
- Biomass to chemicals – the biorefinery approach
- Feedstock production and genetic improvement of plants
- Sustainability and life cycle assessment

Please find all relevant information for your application on:  
[www.sahyog-europa-india.eu](http://www.sahyog-europa-india.eu)



### Strengthening Networking on Biomass Research and Bio-waste Conversion - Biotechnology for Europe India Integration

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