

## REGISTRATION FORM

NAME:

Designation:

Institution:

Address:

E-mail ID:

Contact no:

Signature:

Date:

Payment details:

DD Number

Amount:

Date:

Issuing Bank:

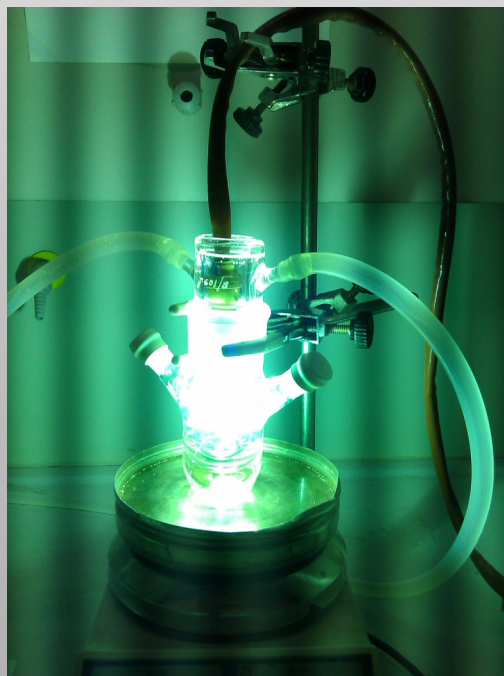
Registration fee will be accepted either in cash or DD in favor of The Registrar, IIT INDORE, payable at Indore. Don't forget to mention your name, contact no and course name "MODERN PHOTO CHEMISTRY and PHOTOCATALYSIS" at the back side of the DD

### REGISTRATION FEES:

Participants from outside India	USD 500/-
Industry/Business Organizations	Rs.20000/-
Academics Institutions	Rs.2000/-
Students	Rs.2000/-

## IMPORTANT DATES

- Date of course: 22nd Sept-5th Oct, 2016
- Last date of registration: Sept 20, 2016
- Free transportation will be available from Silver Springs to Simrol Campus for participants.
- Certificate to all participants



## COURSE

on

Modern Photochemistry and  
Photocatalysis

22nd Sept– 5th Oct, 2016

Organized by

Indian Institute of Technology Indore

in association with

University of Hamburg



Campus: Khandwa Road, Simrol  
Indore- 452 020, MP, India

Website: [www.iiti.ac.in](http://www.iiti.ac.in)

Sponsored by

MHRD Scheme on Global Initiative on

Academic Network

(GIAN)



## ABOUT INSTITUTE

Indian Institute of Technology, Indore, located in Madhya Pradesh, is an institute of national importance established by government of India in 2009. The institute has developed state of the art infrastructure, well equipped laboratories, sophisticated instrumentation center, modern library, computer center etc. IIT Indore's campus is at Simrol which is approximately 25 km from down town Indore. The campus is spread over 525 acres of land in natural surroundings providing ideal atmosphere for the students.

## GIAN & ITS OBJECTIVES

Union cabinet has approved a program titled **Global initiatives for academic networks (GIAN)** in higher education aimed at tapping the talent pool of scientists and entrepreneurs internationally to encourage their engagement with the industries of higher education in India so as to augment the countries existing academic resources, accelerate the pace of quality reforms, and elevate India's scientific and technological capacities to global excellence .

## PHOTOCHEMISTRY

While our modern society is largely dependent on goods produced by chemical and pharmaceutical industries, the negative environmental impact of these industries remains a highly problematic aspect. Visible light Photochemistry utilizes the unlimited resource of sunlight and thus it

be regarded as one important contribution to the sustainability theme in Chemistry. Therefore the topic is highly relevant for future industrial manufacture both in developing and industrialized countries. Further, it has a large impact in human medicine where Photodynamic Therapy is an emerging means to treat topical cancers.

- Basic principles of Photophysics and Photochemistry
- Photochemical functional group transformations and their synthetic applications
- Solar photochemistry for the production of fine chemicals
- Visible-light Photocatalysis: Nano-scale catalysts and photocatalytic water splitting
- Photochemistry in microstructured reactors for continuous processing and large scale manufacture
- Photochemically generated reactive oxygen species (ROS) in synthesis and medicine
- Photodynamic therapy for cancer treatment
- Energy harvesting with organic solar cells
- Photochemical air and waste water treatment

Lectures will be followed by tutorials in the afternoon on each day.

## SPEAKER

**Prof. Dr. Malte Brasholz**

Department of Chemistry

University of Hamburg

Germany

## ORGANIZING SECRETARY

**Prof. Dr. Venkatesh Chelvam**

Discipline of Chemistry

IIT Indore, Madhya Pradesh

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Phone: 0731-2438789

## PROGRAM SCHEDULE

22nd Sept - Lectures Day 1

23rd-24th Sept - Lectures Day 2-3

25th Sept - Free Day to Visit Places

26th Sept-3rd Oct - Lectures Day 4-10

4th Oct - Exam-AM and Social Hour-PM

5th Oct - Departure

## VENUE

Indian Institute of Technology Indore

School Building, Simrol Campus

Indore-452 020