

## International Geoscience Education Organisation (IGEO) (Affiliated to the International Union of Geological Sciences)

### Teacher Training Workshops

One of the goals of IGEO is to improve the quality of teaching earth sciences at the school level. Currently, earth science is not a separate subject of study in high schools in India. School teachers are not formally trained in imparting knowledge about earth sciences. To overcome this problem, IGEO will be organizing three workshops in Goa, Mangaluru and Bengaluru during July 2015 in collaboration with the National Centre for Antarctic and Oceanic Research (NCAOR), Goa, the Geological Survey of India, Mangaluru and the Karnataka State Council for Science and Technology (KSCST), Bengaluru.

<b>Duration:</b>	Four days
<b>Dates:</b>	2–5 July 2015 (Goa) 7–10 July 2015 (Mangaluru) 12–15 July 2015 (Bengaluru)
<b>Resource persons:</b>	Prof. Nir Orion, Weizmann Institute of Science, Israel, and Prof. Chris King, Keele University, United Kingdom
<b>Participants:</b>	High school teachers. Preference will be given to those who (i) have a science background, (ii) teach earth science-related topics, and (iii) are less than 35 years of age.
<b>No. of participants:</b>	Sixty
<b>Registration fee:</b>	None
<b>Schedule:</b>	9.30 am to 5.30 pm

Workshop materials, working lunch and refreshment will be provided to the participants but not travel or any other allowance.

Teachers interested in participating in the workshop may email their applications\* to Prof. R. Shankar, Chair, IGEO (rshankar\_1@yahoo.com) before **15 May 2015**. Selected participants will be notified and provided further details by 1 June 2015. Mailing address: **Prof. R. Shankar**, Department of Marine Geology, Mangalore University, Mangalagangothri 574 199, Karnataka; Mobile: 99168 23885.

\*Should include name, age, gender, educational qualifications, experience, subjects taught, mailing address, email address, mobile number and should be forwarded by the head of the institution.

#### Workshop Details

##### Part 1: 'Teaching the dynamic Earth' workshops by Chris King

These will involve a series of hands-on, practical activities during which the participants will be invited to test the different activities and feedback on their educational value and practicability for teaching in Indian classrooms. Each workshop activity is designed to teach Earth science knowledge and understanding whilst developing critical thinking skills in both participants and the school pupils they will teach. The workshops have been developed and widely used across the UK and at a range of international venues, provoking excellent feedback.

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## Part 2: 'The Rock Cycle and the Earth System Workshop: Practical Methods for Teaching an Earth System-based Curriculum' by Nir Orion

The objective of the workshop is to provide the participants with practical teaching and learning strategies and techniques. The participants will experience active learning in all the learning environments (classroom, lab, outdoor and computer) with learning materials (worksheets) that are ready for use in their schools.

In practice, the participants will experience teaching methods and receive learning materials that will demonstrate the following aspects:

- Inquiry-based learning,
- Earth system-based learning,
- Adjusting the learning for learners of differing abilities,
- Integrating the outdoor environment as an integral component of learning,
- Using the schoolyard as a learning resource,
- Development of thinking skills, and
- The integration of emotional aspects of learning as an integral part of the learning process.

The workshop will involve the implementation of an Earth System Approach program for the Elementary and Junior high school levels (1st–11th grade). This program is called 'Thinking Science – Understanding Environment' and is used as a platform for 'Science for all' curricula.

Come and join us to develop your own Earth science understanding and teaching skills in a collaborative, non-threatening, positive environment.



### SRM Research Institute SRM University Kattankulathur 603 203 Tamil Nadu

#### Junior Research Fellow (JRF) Position

Applications are invited for the position of one Junior Research Fellow (JRF) for the Indian Council of Medical Research (ICMR), Govt of India sponsored research project titled '**Study on the effect of *Gymnema montanum* on endothelial dysfunction in experimental diabetes**' tenable at SRM Research Institute, SRM University, Kattankulathur 603 203, Tamil Nadu, India for 36 months. Minimum qualification is M.Sc. Biochemistry/Biotechnology; M.Tech. Biotechnology. The candidates who have qualified CSIR/UGC/ICMR/NET/GATE will be preferred. Experience in animal cell and tissue culture and animal handling is desirable. Candidates will receive a fellowship of Rs 16,000 plus HRA per month fixed for first two years and Rs 18,000 plus HRA per month fixed for the third year. Terms and conditions will be followed as per the ICMR guidelines.

Candidates are requested to send their CV, and a brief summary of their research experience **within 15 days** of publication of this advertisement by e-mail to the Project coordinator, **Dr K. M. Ramkumar**, Research Assistant Professor, Life Science Division, SRM Research Institute, SRM University, Kattankulathur 603 203, Tamil Nadu, [srmicmr diabetes@gmail.com](mailto:srmicmr diabetes@gmail.com). Candidates short-listed for interview will be informed about the date by e-mail. Outstation candidates will be paid sleeper class (ordinary) train fare as per actual.



**CENTER OF INNOVATIVE AND APPLIED BIOPROCESSING**  
(A National Institute under Dept. of Biotechnology, Govt. of India)  
C-127, 2nd Floor, Phase-VIII, Industrial Area, S.A.S. Nagar,  
Mohali-160071 वेबसाइट / Website: [www.ciab.res.in](http://www.ciab.res.in)  
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(Chief Executive Officer)