



## **Science Academies' Refresher Course on 'Advances in Plant and Animal Biotechnology'**

**3–16 February 2013**

*Sponsored by*

**Indian Academy of Sciences, Bangalore  
Indian National Science Academy, New Delhi and  
The Indian National Academy of Sciences, India, Allahabad**

*In collaboration with*

**Indian Women Scientist's Association (IWSA) and  
Karmaveer Bhaurao Patil College, Vashi, Navi Mumbai**

The major challenge for science education today is the rapidly changing technology that needs to be integrated in the teaching–learning processes. Transfer of knowledge from research laboratories to educationists directly will be a correct step in this direction. The **Science Academies' Refresher Course on 'Advances in Plant and Animal Biotechnology'** promises knowledge updates in plant tissue culture techniques, developing transgenics, molecular confirmation and transgene expression, primary stem cell cultures, bio-informatics and allied techniques. The two-week Course will be held from 3 to 16 February 2013 spread over a few institutions in Mumbai (IWSA, Vashi; ACTREC, Kharghar; Karmaveer Bhaurao Patil College, Vashi; Dr D. Y. Patil University, Belapur). It aims at providing hands-on-training in plant and animal cell handling, isolation of DNA and selection of vector systems for cloning, in addition to the harnessing of bioinformatics, knowledge of IPR, writing of project proposals and ethics in biotechnology. The course will also comprise of lecture-demonstration sessions on new generation sequencers, live animal imaging, confocal microscopy, etc.

Post-graduate teachers from Life Sciences who wish to participate in the Refresher Course may apply through proper channel with the following details – name, date of birth, gender, e-mail, official and residential addresses, telephone numbers, academic qualifications, courses taught, positions held and tenure. Submission of a brief statement (not more than 500 words) why they think the Course will improve their classroom teaching should also be sent. Applications should reach the Course Coordinator before **15 December 2012**. Selected candidates will be informed by the first week of January 2013 and outstation candidates will be provided accommodation, local travel and round trip bus/train (3AC) fare by the shortest route.

Apply to:

**Dr Susan Eapen** (Course Coordinator)  
IWSA Head Quarters  
Sector 10-A, Vashi  
Navi Mumbai 400 703  
e-mail: iwsahq@gmail.com

**Dr Tarala D. Nandedkar**  
Course Director