

# REFRESHER COURSE ON SPECTROSCOPY, CHEMICAL REACTIONS & BIOLOGY

*sponsored by*

**INDIAN ACADEMY OF SCIENCES, BANGALORE**

*at*

**Viswa Bharati, Santiniketan and S. N. Bose Centre, Kolkata**

21 November – 7 December 2002

A Refresher Course on Spectroscopy, Chemical Reactions and Biology for teachers from post-graduate, under-graduate colleges and university departments will be held initially at Viswa Bharati, Santiniketan from 21 November to 3 December and continued at the S. N. Bose Centre, Kolkata, from 4 to 7 December 2002.

The broad aim of the Refresher Course is to help motivated teachers improve and refresh their understanding of the interface areas of Condensed Phase, Chemical Physics and Biology.

It is proposed to devote the course to: Basic Principles of Spectroscopy and Correlation Functions, Dielectric and NMR Relaxation, Chemical Rate Theory, Electron Transfer Reactions, Dynamics in Complex Systems and Protein Folding, and NMR in Biology. The Resource persons of this course include:

- (1) Kankan Bhattacharyya, Department of Physical Chemistry, Indian Association for the Cultivation of Science, Kolkata
- (2) Ranjit Biswas, Department of Chemistry, Pennsylvania State, State College, USA
- (3) S. Dattagupta, Director, S. N. Bose National Centre for Basic Sciences, Kolkata
- (4) Siddhartha Roy, Department of Biophysics, Bose Institute, Kolkata
- (5) Abhijit Chakraborty, Department of Biophysics, Saha Institute of Nuclear Physics, Kolkata
- (6) Chaitali Mukhopadhyay, Chemistry Department, Calcutta University, Kolkata

In addition, there would be a few lectures and tutorial classes by the Faculty from Kolkata, Kharagpur and Bangalore.

Teachers who wish to participate in this course may send in their brief curriculum-vitae that include name, date of birth, postal address, residential address, e-mail address, telephone numbers, qualifications, teaching experience, courses taught, positions held, etc. They are also requested to indicate their level of familiarity with the topics to be covered in the course.

Teachers applying for participation are also requested to indicate that necessary permission and leave would be readily available for participation in the course from their parent institution.

The application should be sent to:

Prof. S. Dattagupta  
Director  
S. N. Bose National Centre for Basic Sciences  
JD Block, Sector III, Salt Lake  
Kolkata 700 098  
E-mail: [sdgupta@bose.res.in](mailto:sdgupta@bose.res.in) or [director@bose.res.in](mailto:director@bose.res.in)

Selected teachers will be provided local hospitality and actual train fare for travel by I class/III AC or bus fare by the shortest route.

Last date for receipt of applications: **16 September 2002.**