



Lecture Series in Physical Chemistry

(Hybrid mode)



Prof. Biman Bagchi

IISc, Bangalore

Duration: 26-29th November, 2025

Time: 15:00hrs to 17:30hrs

(with Tea break)

**Venue: Lecture Hall, HRDD Bldg, Training
School Complex, Anushaktinagar**

For registration

☞ Please Email to:

1. musharaf@barc.gov.in (Dr Musharaf Ali, ChED, BARC)
2. madhumita@hbni.ac.in (Prof Madhumita Goswami, Assoc, Dean, HBNI)

Course Details

Lecture Series in Physical Chemistry

Course duration: 26th to 29th Nov. 2025

Time: 15:00hrs ---17.30hrs

Tea Break:16:00- 16.15hrs

Venue: Lecture Hall, HRDD bldg., Training School Complex
Anushaktinagar

Course details

26th November, 2025

1. Modern aspects of Kinetic Theory of Gases.
2. Thermodynamics

27th November, 2025

3. Phase Equilibrium, Phase Rule
4. Phase Transition, briefly critical phenomena glass

28th November, 2025

5. Chemical Kinetics, Kramers Theory
6. Relaxation Phenomena,
7. Time correlation Function & Spectroscopy

29th November,2025

7. Biophysics, protein folding, biological water
8. Energy Materials.

Brief Statement of accomplishments of Professor Biman Bagchi



Biman Bagchi is currently holding an India National Science Chair (DST-SERB) & Honorary Professorship at the Solid State and Structural Chemistry Unit (SSCU), Indian Institute of Science (IISc), Bangalore. He received PhD from Brown University, RI and carried out postdoctoral work at the University of Chicago and University of Maryland, before returning to India in 1984 to join the Indian Institute of Science. He is a Fellow of all the three National Science Academies of India. He an elected Fellow of the third world academy of sciences (TWAS) and Elected Foreign Member of the American Academy of Arts and Sciences (2020) [AAA&S]. He received a fair number of Awards in India including an early Bhatnagar (at 36 years of age), GD Birla, Goyal Prizes. He received International TWAS Prize in 1998. He is the recipient of the 2021 Joel Henry Hildebrand Award from the American Chemical Society in Theoretical and Experimental Chemistry of Liquids and also the prestigious Humboldt Science Research Award of Alexander von Humboldt Foundation (2019). J. Physical Chemistry brought out a Festschrift special issue J. Phys. Chem. B, 2015, Vol.: 119, in his honour. Bagchi has published more than 500 papers, authored three books on different aspects of statistical mechanics and currently writing a 4th book on nonequilibrium statistical mechanics. He has also published two non-technical books (mostly for students) available at Amazon Kindle.



Registration Form

Name	
Designation	
Occupation	
Current Office Address	
Email Id	
Contact No	
Purpose of Enrolling in this course	

☞ **Please email the filled registration form to**

**Dr Musharaf Ali, ChED, BARC, [Tel:69291992](tel:69291992)
Email id: musharaf@barc.gov.in**

**Prof Madhumita Goswami, Assoc, Dean , HBNI, Tel:69297623
Email id: madhumita@hbni.ac.in**