



**S N BOSE NATIONAL CENTRE  
FOR BASIC SCIENCES**

*Block JD, Sector III, Salt Lake, Kolkata 700 106*

## **DEPARTMENTAL SEMINAR**

# **Chemical and Biological Sciences**

**23<sup>rd</sup> December 2025**

**4.00 PM**

**ONLINE / FERMION**

### **SPEAKER**



**Dr. Nandita Basu, PhD**

Associate Editor at Communications Sustainability, Nature Portfolio

#### **Biography**

I have joined Communications Sustainability as an Associate Editor and Communications Earth and Environment as a Consulting Editor in March 2025. Before joining Springer Nature, I have accumulated nearly a decade of experience in academic research and teaching. I earned my MSc in Chemistry with a specialization in Physical Chemistry and completed my PhD in Physics at the University of Freiburg, Germany where my research was focused on the Polymer Physics of nano-sized polymer crystals under various environmental conditions.

I advanced my expertise through postdoctoral research at the interface of soft matter and nano technology at Trinity College, Dublin and Indian Institute of Technology, Kharagpur. I have also briefly served as a Scientific Officer at the Indian Institute of Technology, Bombay.

In addition to my research, I was an Educator focusing on interdisciplinary courses in Physical Chemistry, Chemical Engineering and Material Science. I am currently based in the Pune office of Springer Nature.

### **TITLE OF THE TALK**

**Environmental Systems and Sustainable Development: An Editorial Perspective**

### **ABSTRACT**

The presentation titled ‘Environmental Systems and Sustainable Development: An Editorial Perspective’ will introduce Communications Earth & Environment and Communications Sustainability, two selective, open-access journals from the leading scientific publisher, Nature Portfolio. The session will provide insights into how scientific research is evaluated and published—from editorial decision-making and peer review to the key criteria that make a study successful. Drawing from the editor’s experience, the talk will highlight what editors look for in a submission, how to strengthen a manuscript, and how authors can effectively communicate the value of their research. The session will conclude with an interactive discussion to exchange ideas on emerging research themes, sustainability challenges, and opportunities for collaboration within the Nature Portfolio community.

### **HOST FACULTY**

**Dr. Pradip S Pachfule, Associate Professor**

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