



Network of Instrument Technical personnel and User scientists of Bangladesh (NITUB)

Notice : NITUB organizes a lecture series on **Recent Advances in Instrumental Techniques**. The **3rd lecture** of the series will be held on the following date, time and venue: The lecture will be on **hybrid mode**. NITUB members, faculties, scientists, students and technical personnel are welcome to attend the lecture.

Title of the Lecture:

“Electrochemistry Beyond Boundaries: From Fundamentals to Frontier Technologies”

Time & Date: 2:30 p.m. ,Saturday, 02 May 2026

Venue: Centre for Advanced Research in Sciences (CARS), Training Room (Room Number :112, 2nd Floor, Lift-1, University of Dhaka.

Speaker: Professor Md. Mominul Islam
Department of Chemistry University of Dhaka,
Bangladesh



Abstract of the lecture:

Electrochemistry, a discipline that began in the late 18th century with pioneering work by scientists such as Luigi Galvani and Alessandro Volta, uniquely spans centuries of inquiry and innovation. Unlike many other fields, it continuously crosses disciplinary boundaries, driving breakthroughs in energy storage and conversion, including batteries, fuel cells, supercapacitors, and electrolyzers, while enabling advances across chemical, biological, and environmental fields through electrochemical sensors, electrocatalysis, corrosion control, environmental mitigation, and sustainable material design. By linking foundational principles with frontier applications, electrochemistry remains a central force in developing next-generation energy technologies and shaping a sustainable, resilient future. This presentation includes a discussion of the foundations of this field, along with its development and the milestones achieved throughout its boundary-less 250-year journey.

Zoom Link:

<https://us02web.zoom.us/j/88181894785?pwd=5WHZDNEBbETAa1xxkac16ZhYvrFvJY.1>

Meeting ID: 881 8189 4785

Passcode: 368710



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