



## Session VII: Materials Science (MS)

- Venue : Classroom, Atomic Energy Centre, Dhaka
- Time : 9:30 – 11:00
- Chair(s) : Prof. A. K. M. Akther Hossain, PhD  
Dept. of Physics, Bangladesh University of Engineering and Technology
- : Prof. Md. Mahbubur Rahman Bhuiyan, PhD  
Dept. of Physics, Jahangirnagar University
- Invited Lecture : **MXenes: Emerging Frontiers in Advanced 2D Materials and Their  
IL-06 Multifunctional Applications**
- Prof. Md. Mohi Uddin, PhD  
Dept. of Physics, Chittagong University of Engineering & Technology

### Contributory Papers:

Abstract ID	Title	Author Name(s)
MS01-032	Effect of Substrate Type on the Growth and Electrical Characteristics of $\text{Cu}_3\text{N}$ Thin Films Prepared by Reactive RF Sputtering	Shanta Majumder, Katsuhiko Saito, Qixin Guo, Md Abdul Majed Patwary, and Tooru Tanaka
MS02-110	Analysis of the Structure and Optical performance of Nitrogen(N) Doped ZnS Quantum Dots (QDs)	Md. Atikur Rahman, Mohammad Mahfuz Alam, and Md Arif Ul Islam
MS03-148	Effects Of $\text{MoO}_3$ Additive on The Microstructural, Magnetic and Transport Properties Of $\text{Ni}_{0.5}\text{Zn}_{0.5}\text{Fe}_2\text{O}_4$ Ceramics	Somana Das and Sajal Chandra Mazumdar
MS04-223	Cobalt-Induced Enhancement of Ferroic Properties in Bi-Eu-Mn Ferrite: Structural and Magnetic Insights	J. H. Bhuiyan, M. A. Taher, Md. Sarowar Hossain, Mahbubur Rahman, N. Y. Tanisa, M. M. Billah, and M. N. I. Khan
MS05-242	Platinum-tetraphenyl Porphyrin Electrocatalyst for Anodic Chlorine Evolution Reaction: Computational DFT Study	Jewel Hossen, Md. Forhad Babu, Naoki Nakatani, Md. Mosfiqur Rahman Maruf and Md. Saiful Islam
MS06-262	Phase Evolution-Driven Magnetic Behavior in $\text{Gd}^{3+}$ Substituted Ni-Zn Ferrites: A Rietveld-Based Quantitative Study	Jinnatun Nesa and A. K. M. Akther Hossain
MS07-263	Sustainable, Green Synthesis of Carbon Quantum Dots to Produce UV-blocking and Biodegradable Food Packaging	Saiful Islam, Ashequl Alam Rana, Mohammad Mainul Karim, and Tasrina Rabia Choudhury