



Indo-US Webinar and Lecture Series

(Under the aegis of MoE-SPARC, Govt. of India)

Theme: Advanced Functional Materials

Programme Schedule

June 1-9, 2021

Day 1: June 1, 2021 (Tuesday)

Inaugural Function (10:00-11:00)

Time	Program
10:00 – 10:05	Recitation of Holy Quran
10:05 – 10:15	Presentation of Indo-US Webinar Report & Introduction of Dignitaries by Prof. Tokeer Ahmad, Convener, Indo-US Webinar.
10:15 – 10:20	Welcome Remarks by Prof. Nahid Nishat, Chairperson, Indo-US Webinar.
10:20 – 10:25	Faculty Remarks by Prof. Seemi Farhat Basir, Patron & Dean, F/o Natural Sciences, JMI.
10:25 – 10:30	Administrative Remarks by Dr. Nazim Husain Al-Jafri, Patron & Registrar, JMI.
10:30 – 10:35	Joint Technical Remarks from Collaborative Institutes Texas A&M University by Prof. Sarbajit Banerjee and Illinois Institute of Technology, Chicago by Prof. Yuanbing Mao.
10:35 – 10:45	Scientific Address by Prof. D. D. Sarma, IISc Bangalore.
10:45 – 10:55	Presidential Address by Prof. Najma Akhtar, Chief Patron & Hon'ble Vice-Chancellor, JMI
10:55 – 11:00	Vote of Thanks by Dr. Ufana Riaz, Co-Convener, Indo-US Webinar.

Plenary Session

11:00 – 12:00	Plenary Lecture: Prof. D.D. Sarma, SSCU, IISc Bangalore Miraculous World of Materials
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Keynote Sessions

12:15 – 13:15	Keynote Lecture-1: Prof. Sarbajit Banerjee, Texas A&M University, USA Designing Catalysts for Water Splitting Based on Electronic Structure Considerations
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Lunch Break

14:30 – 15:30	Keynote Lecture-2: Prof. A. K. Ganguli, IIT Delhi Design of Nanostructures for Energy Conversion and Related Applications
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End of the Day



Day 2: June 2, 2021 (Wednesday)

10:00 – 11:00	Keynote Lecture-3: Prof. Yuanbing Mao, Illinois Institute of Technology, Chicago, USA 3D Nanostructured Catalysts for Water Splitting
11:00 – 12:00	Keynote Lecture-4: Prof. Arun Chattopadhyay, IIT Guwahati Building Nano from the 'Scratch' using Molecular Assembly
12:15 – 13:30	Keynote Lecture-5: Prof. A.K. Tyagi, BARC Mumbai Crystallographically Designed Functional Nanomaterials
Technical Break	
16:00 – 17:00	Keynote Lecture-6: Prof. K.V. Ramanujachary, Rowan University, USA On the Design and Development of Novel Electro and Chemo Catalysts for Environmental Safety
17:00 – 17:30	Closing of Webinar Valedictory Address by Prof. A.K. Ganguli & Prof. K.V. Ramanujachary
End of the Day	

Lecture Series (June 3-9, 2021)

Day 3: June 3, 2021 (Thursday)

10:00 – 11:30	Special Lecture-1: Prof. Sarbajit Banerjee, Texas A&M University, USA Energy: Where are we now and where are we headed?
11:45 – 13:15	Special Lecture-2: Prof. Yuanbing Mao, Illinois Institute of Tech. USA Synthesizing Nanostructured Energy Materials

Day 4: June 4, 2021 (Friday)

10:00 – 11:30	Special Lecture-3: Prof. Yuanbing Mao, Illinois Institute of Tech. USA Hydrogen Storage
11:45 – 13:15	Special Lecture-4: Prof. Sarbajit Banerjee, Texas A&M University, USA Designing Electrode Architectures across Length Scales: Some Lessons Learned from Li-ion Batteries



Day 5: June 5, 2021 (Saturday)

10:00 – 12:00 Special Lecture-5: Prof. Yuanbing Mao, Illinois Institute of Tech. USA
Nuclear Waste Containment

Day 6: June 6, 2021 (Sunday)

10:00– 12:00 Special Lecture-6: Prof. Sarbajit Banerjee, Texas A&M University, USA
Designing Electrode Architectures across Length Scales: Some Lessons Learned from 'Beyond Li-ion' Chemistries

Day 7: June 7, 2021 (Monday)

10:00 – 11:30 Special Lecture-7: Prof. Yuanbing Mao, Illinois Institute of Tech. USA
Designing Phosphors for Solid State Lighting

11:45 – 13:15 Special Lecture-8: Prof. Sarbajit Banerjee, Texas A&M University, USA
Exploring Metastable Phase Space in Search of New Function: Some Perspectives for the Design of Logic Circuitry

Day 8: June 8, 2021 (Tuesday)

10:00 – 11:30 Special Lecture-9: Prof. Yuanbing Mao, Illinois Institute of Tech. USA
Exploration of Wavelength Conversion Nanomaterials

11:45 – 13:15 Coordinators Discussion: Prof. Tokeer Ahmad/Dr. Ufana Riaz

Day 9: June 9, 2021 (Wednesday)

10:00 – 11:30 Special Lecture-10: Prof. Sarbajit Banerjee, Texas A&M University, USA
Addressing Materials Criticality Bottlenecks for Energy

Valedictory Ceremony

11:30 – 12:15 Welcome Address by Prof. Nahid Nishat, Chairperson Webinar
Special Address by Prof. Yuanbing Mao, Illinois Institute of Tech. USA
Special Address by Prof. Sarbajit Banerjee, Texas A&M University USA
Valedictory Address by Dr. Nazim Husain Al-Jafri, Registrar, JMI
Vote of Thanks by Prof. Tokeer Ahmad, Coordinator, Lecture Series