



National Conference on Advanced Functional Materials NCAFM-2019

(Under the aegis of MHRD-SPARC Scheme)

Programme Schedule

Day 1: November 20, 2019

Registration (08:00-09:30)

Inaugural Function (09:30-10:45)

Time	Program
09:30 – 09:35	Recitation of Holy Quran
09:35	Inaugural of Conference with permission from Vice Chancellor
09:35 – 09:40	Introduction of Dignitaries and presentation of Bouquets
09:40 – 09:50	Presentation of Conference Report by Dr. Tokeer Ahmad, Convener NCAFM-2019
09:50 – 09:55	Welcome Remarks by Prof. Amir Azam, Chairman NCAFM-2019
09:55 – 10:05	Presentation of Mementos/Shawl to VC, CG & GOH, Dean and Chair
10:05 – 10:10	Faculty Remarks by Prof. M. Sami, Dean, F/o Natural Sciences, JMI
10:10 – 10:15	Scientific Remarks by Guest of Honor, Prof. Ashok K. Ganguli, IIT Delhi
10:15 – 10:20	Release of Conference Souvenir by Vice-Chancellor, Chief Guest & Guest of Honor.
10:20 – 10:25	Inaugural Address by Chief Guest, Prof. D. D. Sarma, IISc Bangalore.
10:25 – 10:30	Presidential Address by Prof. Najma Akhtar, Hon'ble Vice-Chancellor, JMI
10:30 – 10:32	Release of Information Brochure of upcoming International Conference on Advanced Functional Materials-2020 (ICAFM-2020) in December 2020 under the Centenary Celebrations of Jamia Millia Islamia.
10:32 – 10:37	Vote of Thanks by Dr. Tokeer Ahmad, Convener, NCAFM-2019
10:37 – 10:40	Closing of Inaugural Session & National Anthem
10:40 – 10:42	Group Photograph
10:42 – 10:45	Inauguration of Industrial Exhibition by Vice-Chancellor, Chief Guest & Guest of Honor.

High Tea (10:45-11:15)



Day 1: November 20, 2019
Venue: Dr. M. A. Ansari Auditorium

Session -1

Chairpersons

Prof. Ashok K. Ganguli, IIT Delhi

Prof. Majid Jamil, JMI, Delhi

11:15 – 12:00	PL1 – Prof. D.D. Sarma, SSCU, IISc Bangalore Title: <i>Brighter side of semiconductor nanocrystals: How to make defects useful</i>
12:00 – 12:30	IL1 – Prof. B. R. Mehta, IIT Delhi Title: <i>Tailoring 2D-3D interfaces for thermoelectric applications</i>
12:30 – 13:00	IL2 – Prof. K. Kailasam, INST Mohali Title: <i>Functional Porous Polymeric Networks as Visible light Photocatalysts for generation of Hydrogen and Fine Chemicals</i>
13:00 – 14:00	Lunch Break: Nehru Guest House, JMI

Session -II

Chairpersons

Prof. Syed Akhtar Husain, JMI Delhi

Prof. Shafeeque A. Ansari, JMI Delhi

14:00 – 14:30	IL3 – Prof. Balaji R. Jagirdar, IPC, IISc Bangalore Title: <i>Palladium ruthenium nanocomposites by digestive ripening: an excellent catalyst for selective hydrogenation reaction</i>
14:30 – 15:00	IL4 – Prof. A. Ramanan, IIT Delhi Title: <i>“Exploring the structural landscape of polyoxomolybdates – Designing functional materials from defined molecules”</i>
15:00 – 15:30	IL5 – Prof. Sayan Bhattacharyya, IISER Kolkata Title: <i>“Metal Oxides for Metal-air Battery”</i>
15:30 – 16:00	IL6 – Prof. Farid Khan, Dr. H.S. Gaur Sagar University, Sagar Title: <i>“Hierarchical Silver nanocomposites as catalysts for the conversion of Benzaldehyde to Benzyl alcohol and sensors against H₂O₂ and supercapacitance properties”</i>
16:00 – 17:15	Tea Break & Poster Session – I (PP-001 to PP-065)



Session -III

Chairpersons

Prof. Farid Khan, Dr. H.S. Gaur Sagar University, Sagar

Prof. Sharif Ahmad, JMI, Delhi

17:15 – 17:40	IL7 – Prof. Sameer Sapra, IIT Delhi Title: <i>Transition Metal Dichalcogenide based hybrid nanoheterostructures for optoelectronic applications</i>
17:40 – 18:00	IL8 –Dr. Raj K. Singh, IIP Dehradun Title: <i>Novel multifunctional materials for reducing the friction and wear: A paradigm shift from organometallics to biomaterial & nanomaterials</i>
18:00 – 18:20	IL9 –Prof. N. B. Singh, Sharda University, Greater Noida Title: <i>Nanoscience of cementitious materials</i>
18:20 – 19:30	SL1 – Dr. Hina Younus, AMU Aligarh Title: <i>A simple, sensitive and selective colorimetric method utilizing in-situ formed silver nanoparticles via tannic acid for the detection of melamine adulterant</i> SL2 – Dr. Nitin Kumar Singhal, NABI, Mohali, Punjab Title: <i>Hybrid nanomaterials for food borne Bacteria Colorimetric Detection</i> SL3 – Dr. Rajan Patel, CIRBSc, JMI Delhi Title: <i>Non-covalent interaction of ionic liquids with melittin against bacterial cell</i> SL4 – Dr. Uma Shanker, NIT Jalandhar Title: <i>Green synthesized ZnO@ZnHCF nanocomposites mediated degradation of Bisphenol A</i> SL5 – Dr. Ratnesh Das, Dr. H.S. Gaur Sagar University, Sagar Title: <i>Porous CuOCatalysed Green Synthesis of Indole Derivatives</i> SL6 – Dr. P. Nagaraaj, Anna University, Chennai Title: <i>Synthesis, Characterization of Novel 2-((2-(benzothiazol-2-yl)hydrazono)methyl)naphthalen-1-ol (NBS) and its application for Sensing of Fluoride ions</i> SL7 – Dr. Gopalaiah Kovuru, University of Delhi, Delhi Title: <i>Synthesis of Bioactive N-Heterocycles by Oxidative Annulation Reactions</i> SL8 – Dr. Piyush Kumar Sonkar, BHU Varansi Title: <i>Nano-structured carbon nanotubes-graphene-manganese salen composite for efficient electrochemical oxygen reduction reaction</i>
19:30	Conference Dinner: Nehru Guest House, JMI



Day 2: November 21, 2019
Venue: Dr. M. A. Ansari Auditorium

Session -IV

Chairpersons

Prof. Ashok K. Ganguli, IIT Delhi
Prof. Mohammad Shakir, AMU Aligarh

09:00 – 09:40	PL2– Prof. K. Vijayamohanan Pillai, IISER Tirupati Title: <i>Pristine and N-Doped Phosphorene Quantum Dots: Electrochemical Preparation, Properties, and Possible Applications</i>
09:40– 10:10	IL10 – Prof. Aninda J. Bhattacharyya, IISc Bangalore Title: <i>Energy Storage Beyond Li-ion Batteries: A Case Study of Metal-Sulfur Batteries</i>
10:10– 10:40	IL11– Prof. Amitava Patra, IACS Kolkata Title: <i>Relaxation Dynamics of Nanomaterials for Efficient Light Harvesting Systems</i>
10:40–11:00	IL12 – Dr. Sasanka Deka, University of Delhi, Delhi Title: <i>Nanostructured Functional Materials for Energy Conversion and Energy Storage Applications</i>
11:00– 11:15	Tea Break

Session -V

Chairpersons

Prof. Ravi Shankar, IIT Delhi
Prof. Amitava Patra, IACS Kolkata

11:15–11:45	IL13– Prof. Ashok K. Ganguli, IIT Delhi Title: <i>Design of nanostructures for photoelectrochemical applications</i>
11:45–12:15	IL14 –Prof. R. Nagarajan, University of Delhi, Delhi Title: <i>Power of solution chemistry to unearth new solids</i>
12:15 – 12:45	IL15 – Prof. Absar Ahmad, AMU Aligarh Title: <i>Biosynthesis of Inorganic Nanomaterials and their applications in Healthcare, Agriculture, Energy & Water Purification</i>



12:45–13:05	IL16 –Dr. Pravin Ingole, IIT Delhi Title: <i>Optimizing the Nano Electro-catalysts for Electrochemical and Photo-electrochemical Water Splitting</i>
13:05– 14:00	Lunch Break: Nehru Guest House, JMI
Session -VI	
Chairperson Prof. Rifaqat Ali Khan Rao, AMU Aligarh Prof. Mohammad Hussain, JMI Delhi	
14:00 – 14:30	IL17 – Prof. Ravi Shankar, IIT Delhi Title: <i>Polymer-nanoparticle hybrids and Catalysis</i>
14:30 – 15:00	IL18 –Prof. Anil Kumar, IIT Roorkee Title: <i>Greener Protocols for Designing Functional Nanostructures</i>
15:00 – 15:25	IL19 –Dr. Parthapratim Munshi, Shiv Nadar University, Dadri, UP Title: <i>Novel Single-Component All-organic Ferroelectric Crystal with Record-high Thermal Stability and its Polymorphic forms</i>
15:25 – 15:45	IL20–Dr. Wasudeo B. Gurnule, Kamla Nehru Mahavidyalaya, Nagpur Title: <i>Selective Removal of Toxic Metal Ions from Waste Water using 2,4-Dihydroxy Benzoic Acid, Formaldehyde and Phenyl hydrazine Polymeric Resin and Its Composite</i>
15:45 – 16:05	IL21 –Prof. S. Vasudevan, CSIR-CERI, Karaikudi, Tamilnadu Title: <i>“Hydrogen on the rise” – Materials Challenge</i>
16:05 – 16:25	IL22 –Dr. M. A. Shah, NIT Srinagar Title: <i>Fabrication of Nanomaterials and their Potential Applications</i>
16:25 – 17:45	Tea Break & Poster Session – II (PP-065 to PP-130)

Valedictory Ceremony

Conference Address by Prof. Amir Azam, Chairman NCAFM-2019

Poster award and Prize Distribution

17:45– 18:15

Valedictory address by Mr. A.P. Siddiqui, Registrar, JMI

Vote of Thanks by Dr. Tokeer Ahmad, Convener, NCAFM-2019

National Anthem