



MITS

MADANAPALLE INSTITUTE OF TECHNOLOGY & SCIENCE
(UGC-AUTONOMOUS)

DEPARTMENT OF CHEMISTRY

Organises

July 16 ~18,
2020

International Virtual Conference On Recent Trends In Nanomaterials Synthesis & Application (RTNSA-2020)



Prof. Yousheng Wang,
Jinan University,
Guangzhou, China



Prof. Jiarui Huang,
Anhui Normal
University, China



Prof. Jong-Ryul Jeong,
Chungnam National
University, South
Korea



Prof. Talal A. Aljohani,
KACST, Saudi
Arabia



Dr. Pablo Corrochano
R&D Engineer
ArcelorMittal, Spain



Prof. Chandramouli Subramaniam,
IIT Bombay, India



Prof. Ganesh Chandra Nayak,
IIT(ISM) Dhanbad,
India



Prof. Sumanta Kumar Sahu,
IIT(ISM) Dhanbad,
India



Prof. Soma Venugopal Rao,
University of
Hyderabad, India



Prof. Perumalreddy Chandrasekaran
Lamar University
TX, USA



Prof. Arpan Kumar Nayak,
VIT Vellore, India



Dr. Mohan Kumar Kesarla
UNAM, Mexico



Prof. Niroj Kumar Sahu,
VIT Vellore, India



Dr. Rajesh Kumar,
Toyohashi
University of
Technology, Japan



Dr. Rambabu Kuchi,
Korea Institute of
Materials Science,
South Korea



Dr. Amarnatha Reddy,
Yonsei University,
South Korea



Dr. Dip K. Nandi,
Yeungnam
University, South
Korea



Prof. V. Selvaraj,
University college of
Engineering-
Villupuram, India



Dr. Sanjit Manohar Majhi
Inha University,
South Korea



Dr. Amrita De Adhikari,
Ben Gurion
University of the
Negev, Israel



Dr. Sudarsan Raj
CSIR-IMMT, India



Dr. Viet Dongquoc,
Chungnam National
University, South
Korea

Register @

<https://tinyurl.com/y88bm32a>

Convenors

Dr. Ashok Kumar Das &

Dr. Sumanta Sahoo

Assistant Professor, MITS

akdschemuu@gmail.com &

sumanta95@gmail.com



Speaker	Title	Speaker	Title
	Prof. Yousheng Wang, Jinan University, Guangzhou, China Title: Fully-ambient-air processed perovskite solar cells with perovskite-based composites and interface engineering		Dr. Mohan Kumar Kesarla, Instituto de Ciencias Fisicas, UNAM, Mexico Topic: Heterojunctions of graphitic carbon nitride and its applications
	Prof. Jiarui Huang, Anhui Normal University, Wuhu, 241002, PR China Title: Preparation of graphene-based composites and their application in lithium ion batteries.		Prof. Niroj Kumar Sahu, VIT Vellore, India Topic: Magnetic hyperthermia-A futuristic cancer therapeutics technique
	Prof. Jong-Ryul Jeong, Chungnam National University, Daejeon 34134, South Korea Title: Towards Highly Efficient Spin Thermolectrics		Dr. Rajesh Kumar, JSPS Postdoctoral Fellow, Toyohashi University of Technology, Japan Topic: 2D layered graphene and its doped structure from various methods in novel energy storage applications
	Prof. Talal A. Aljohani King Abdulaziz City for Science and Technology P.O Box 6086, Riyadh 11442, Saudi Arabia Title: High Throughput Synthesis and Corrosion Screening on thin film alloys		Dr. Rambabu Kuchi, Korea Institute of Materials Science, South Korea Topic: Synthesis and application of magnetic nanoparticles and composites for the remediation of electromagnetic interference pollution
	Dr. Pablo Corrochano R&D Engineer Arcelor Mittal, Spain Title: Small Developments, Big Changes: Current role of Nanomaterials in Environmental Applications.		Dr. Amarnatha Reddy, Research Professor, Yonsei University, South Korea Topic: Development of Novel Sunlight Harvesting Noble Metal Free Nanostructures for Energy Applications
	Prof. Chandramouli Subramaniam, IIT Mumbai, India Topic: Towards next-generation portability in energy storage devices		Dr. Dip K. Nandi, International Research Professor, Yeungnam University, South Korea Topic: Atomic Layer Deposition (ALD): An Emerging Technique towards Energy Applications
	Prof. Ganesh Chandra Nayak, IIT(ISM) Dhanbad, India Topic: Graphene-based Electrodes: A Potential Game Changer for Energy Storage		Dr. V. Selvaraj University college of Engineering-Villupuram, Kakuppam, India Title: Recent Advances in Nanomaterials for Direct Alkaline Alcohol Fuel Cell Applications.
	Prof. Sumanta Kumar Sahu, IIT(ISM) Dhanbad, India Topic: Prospects of NMOFs for targeted drug delivery		Dr. Sanjit Manohar Majhi, Post Doctoral Research Fellow, Hanyang University, & Inha University, South Korea Topic: Metal Oxides based nanomaterials for Gas and bio-sensing applications
	Prof. Soma Venugopal Rao, University of Hyderabad, India Title: Nanomaterials prepared using femtosecond laser pulses for defense applications		Dr. Amrita De Adhikari, Ben Gurion University of the Negev, Israel Topic: Engineering the electrochemical properties of organic electrode material for AC-line filtering
	Prof. Perumalreddy Chandrasekaran Lamar University TX, USA Title: Nanomolecular improvisation on better industrial application		Dr. Sudarsan Raj, Postdoctoral Researcher, (CSIR-IMMT), India Topic: Low content Ag Doped ZrO ₂ Nanocomposite for efficient Diesel Soot oxidation
	Prof. Arpan Kumar Nayak, Assistant Professor, Department of Physics, VIT Vellore, India Topic: Nanomaterials for environmental and energy applications		Dr. Viet Dongquoc, Chungnam National University, South Korea Topic: Enhanced Faraday rotation angle of Bismuth substituted yttrium iron garnet thin film made by metal organic decomposition (MOD) method

Organizing Committee

CHIEF PATRONS

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Dr. Renjith Bhaskaran

Dr. M. Balaji

Who can attend?

Scientists, Faculty Members, PhD students, Undergraduate and Graduate students from any discipline with interests in Nanoscience and Nanotechnology.

Registration: using the link- <https://tinyurl.com/y88bm32a> **or scan →**

For further details contact

Dr. Ashok Kumar Das (Mail ID: akdschemuu@gmail.com)

Dr. Sumanta Sahoo (Mail ID: sumanta95@gmail.com)

Registration Fee:

The registration is FREE

Registrations will be on first come first served basis (Last Date of Registration)



Conference through Microsoft Teams

e-Certificate : Participation certificate given to only registered participants who attend a minimum of 15 sessions



Conference Theme: Nanotechnology for Better Future

Topics to be covered

1. *Nanomaterials for Energy Storage & Conversion*
2. *Recent Advances of 2D Materials*
3. *MOFs for Biomedical Application*
4. *Advanced Materials Synthesis & Characterization Techniques*
5. *Nanomaterials for Defence Applications*
6. *Nanomaterials for Environmental Application*
7. *Magnetic Nanomaterials for EMI Shielding Application*
8. *Nanomaterials for Sensing Application*

About MITS

■ Madanapalle Institute of Technology & Science is established in 1998 in the picturesque and pleasant environs of Madanapalle and is ideally located on a sprawling 26.17 acre campus on Madanapalle - Anantapur Highway (NH-205) near Angallu, about 10km away from Madanapalle.

■ MITS, originated under the auspices of Ratakonda Ranga Reddy Educational Academy under the proactive leadership of Sri. N. Krishna Kumar M.S. (U.S.A), President and Dr. N. Vijaya Bhaskar Choudary, Ph.D., Secretary & Correspondent of the Academy.

■ MITS is governed by a progressive management that never rests on laurels and has been striving conscientiously to develop it as one of the best centers of Academic Excellence in India. The Institution's profile is firmly based on strategies and action plans that match changing demands of the nation and the students fraternity. MITS enjoys constant support and patronage of NRI's with distinguished academic traditions and vast experience in Engineering & Technology.

■ **NIRF Ranking 2020: MITS Ranked in the band 201-250 under Engineering Discipline**