

**International Conference on Multifunctional Advanced Materials
ICMAM-2018**

Under the Auspices of
**Indian Association of Solid State Chemists and Allied Scientists
(ISCAS), Jammu**

Jointly organized by
Kamla Nehru Mahavidyalaya, Sakkardara Square, Nagpur
and
Dharampeth M. P. Deo Memorial Science College, Nagpur

5th, 6th and 7th October 2018

Venue: SAGA Hall, Hotel Ganga Kashi, Jagnade Square, Nagpur-440009

Inaugural Function: Friday, 5th October 2018, Time: 9.30 am -11.00 am Day 1st

Keynote(11.30 am-12.10 pm)

Prof. Bernhard Middendorf

University of Kassel, Germany
Title: 3D Structural Analyses of
Building Materials
using High-resolution
Computer Tomography (μ -CT)



High Tea: 12.10 pm -12.30 pm

Session I: 12.30 pm -2.00 pm

Chairperson: Prof. H. D. Juneja

Head, Department of Chemistry
RashtrasantTukadojiMaharaj Nagpur University, Nagpur-440033

Rapporteur: Dr. P. B. Dahikar

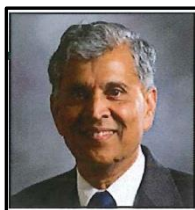
Invited Talk:1

12.30 pm-1.00 pm

Title: Development of Novel
Intermediate Temperature Sodium
Batteries for Large-Scale
Energy Storage

Dr. Ashok Joshi

Microlin
USA



Invited Talk:2

1.00 pm -1.30 pm

Title: Tailoring Core Dimension
and Shell Thickness of
Core@shellNanoparticles for
Tunable Optical Properties

Prof. Md. Abu Bin Hasan Susan

University of Dhaka
Dhaka 1000, Bangladesh



Invited Talk: 3

1.30pm -2.00 pm

Title: Growth and Characterization
of Bi_2Se_3 Topological Insulator Nanostructures

Dr. Pankaj Koinkar

Department of Optical ScienceTokushima UniversityJAPAN



Lunch: 2.00 pm – 2.30 pm

Session II: 2.30 pm – 1.30 pm

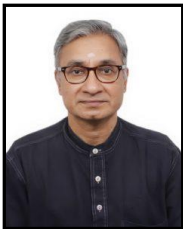


Session II

Session II A: 2.30 pm – 4.00 pm

Chairperson: Prof. L. J. Paliwal

Department of Chemistry, RTM Nagpur University, Nagpur

Rapporteur: Dr. D. S. Badwaik

<p>Invited Talk -4: 2.30 pm – 3.00 pm Title: The Role of Solid State of New Inorganic Pigments Chemistry in the Development Prof. Srinivasan Natarajan Solid State and Structural Chemistry Unit Indian Institute of Science Bangalore 560 012, India</p> 	<p>Invited Talk -5: 3.00 pm – 3.30 pm Title: Application of Contemporary Chemical Sensors in E-Nose and E-Tongue for Food Industry Prof. Arvind Shaligram Department of Electronic Science, SavitribaiPhule Pune University, Pune – 411 007, India</p> 
<p>Invited Talk -6: 3.30 pm – 4.00 pm Title: Binary Mixture of Protic Ionic Liquids with Molecular Solvents as Fuel Cell Electrolytes Prof. Muhammed Shah Miran Department of Chemistry, University of Dhaka Bangladesh</p> 	

Oral Presentation (OP-1 to OP-14): 4.00 pm – 6.00 pm

Session II B: 2.30 pm – 4.00 pm

Chairperson: Prof. Prashant Shingwekar

Department of Chemical Technology, SGB Amravati University, Amravati

Rapporteur: Dr. S. M. Gadegone

<p>Invited Talk -7: 2.30 pm – 3.00 pm Title: Geopolymer cement – A Future binding material Prof. N. B. Singh Department of Chemistry and Research and Technology Development Centre Sharda University, Greater Noida, India</p> 	<p>Invited Talk -8: 3.00 pm – 3.30 pm Title: Transition Metal Ions Doped TiO₂, In₂O₃, and α-MoO₃ Oxides Nanomaterials : Dilute Magnetic Semiconductors Prof. N. S. Gajbhiye Department of Chemistry, Indian Institute of Technology, Kanpur, UP, India</p> 
<p>Invited Talk -9: 3.30 pm – 4.00 pm Title: Multifunctional Semiconductor oxide Nanomaterials Prof. M. Swaminathan Nanomaterials Laboratory, International Research Centre, Department of Chemistry, Kalasalingam Academy of Research and Education, Krishnankoil-626126</p> 	

Oral Presentation (OP-15 to OP-29): 4.00 pm – 6.30 pm

Dinner: 7.30 pm to 9.30 pm

Saturday 6th October 2018: Day 2nd




Session III

Session IIIA: 9.30 am – 11.00 am

Chairperson: Prof. Arvind Shaligram

Department of Electronic Science,
SavitribaiPhule Pune University, Pune 411 007, India

Rapporteur: Dr. Mrs. A. S. Kulkarni

<p>Invited Talk 10: 9.30 am – 10.00 am Title: Rational design of functional materials: A chemist's approach Dr. A. K. Tyagi Chemistry Division Bhabha Atomic Research Centre Mumbai-400085, India</p> 	<p>Invited Talk -11: 10.00 am – 10.30 am Title: Preparation and Characterization of Pure and metal oxides doped PANi composite for promising Humidity sensing Analysis at different frequencies Prof. R. K. Shukla Professor Department of Physics University of Lucknow-226007</p> 
<p>Invited Talk -12: 10.30 am – 11.00 am Title: Tuning the Formation Mechanism of Ordered Mesoporous Silica for Control in Porosity and Morphology Dr. Saika Ahmed Department of Chemistry, University of Dhaka, Dhaka-1000, Bangladesh</p> 	

Oral Presentation (OP-30 to OP-35): 11.00 am – 12.00 noon




Session III

Session IIIB: 9.30 am – 11.00 am

Chairperson: Prof. Dipak Dhote

Department of Electronics, Brijlal Biyani College Amravati

Rapporteur: Dr. Anita Chandak

<p>Invited Talk -13: 9.30 am – 10.00 am Title: Nanostructured Biphasic Molybdenum Sulphide and Molybdenum Oxide: Inorganic Pathways to Biofilm Inhibition and Bactericidal/Fungicidal Action for Biomedical Devices and Body-Implants Prof. Dinesh Amalnerkar Institute of Nanoscience & Technology, Hanyang University, Seoul, South Korea.</p> 	<p>Invited Talk -14: 10.00 am – 10.30 am Title: Synthesis and Properties of Few Multifunctional Nano-sized Materials Prof. Tokeer Ahmed Nanochemistry Laboratory, Department of Chemistry, Jamia Millia Islamia, New Delhi 110025, India.</p> 
<p>Invited Talk -15: 10.30 am – 11.00 am Title: Conducting Polymer/Manganese Dioxide Composite-Modified Iron Electrode Fabricated Through Electropolymerization for Supercapacitor Application Department of Chemistry, University of Dhaka, Dhaka-1000, Bangladesh</p> 	

Oral Presentations (OP-36 to OP-41): 11.00 am – 12.00 noon




Session IV

Session IVA: 12.00 noon – 1.30 pm

Chairperson: S. S. Umare

Department of Chemistry, VNIT, Nagpur.

Rapporteur: Dr. P. W. Ambekar




<p>Invited Talk -16: 12.00 noon – 12.30 pm Title: Durability properties of Alkali-activated fly ash based geopolymer concrete in the presence of Blast furnace slag Prof. Okoye Francis Nnaemeka Department of Civil Engineering Federal Polytechnic, Oko Anambra state, Nigeria.</p> 	<p>Invited Talk -17: 12.30 pm – 1.00 pm Title: Aerosols and their impact on climate change Prof. Manish Sharma Department of Physics, School of Basic Sciences and Research, Sharda University, Greater Noida, India</p> 
<p>Invited Talk -18: 1.00 pm – 1.30 pm Title: Organic nonlinear optical materials: Sustaining nonlinearity at macroscopic level – A challenging task Prof. S. Minakshisundram CSIR Emeritus Scientist, Department of Chemistry, Annamalai University, Annamalaiagar – 608 002, Tamilnadu, India</p> 	

Session IVB: 12.00 noon – 1.30 pm

Chairperson: Dr. S. A. Waghuley

Department of Physics, SGB University Amravati

Rapporteur: Dr. K. S. Misal

<p>Invited Talk -19: 12.00 noon – 12.30 pm Title: Inducing Novel Physical Properties in Solids Prof. I. B. Sharma ISCAS Institute of Solid State & Materials Science, Jammu-18006, India</p> 	<p>Invited Talk -20: 12.30 pm – 1.00 pm Title: Enhanced NBE Emission in Nanocrystalline Eu doped ZnO Thin Film Dr. Anchal Shrivastava Department of Physics, University of Lucknow, Lucknow-226007, India</p> 
<p>Invited Talk -21: 1.00 pm – 1.30 pm Title: Charge Transport in Solid Conductors and Its Impact on Electrochemical Energy Aninda J. Bhattacharyya Solid State and Structural Chemistry Unit, Division of Chemical Sciences, Indian Institute of Science, Bengaluru 560012</p> 	

Lunch Break 1.30 pm- 2.30 pm

Session V

Session VA: 2.30 pm – 4.00 pm

Chairperson: Prof. A. K. Singh

Professor of Chemistry, Govt. V. Y. T. PG. Autonomous College, Durg

Rapporteur: Dr. R. B. Lanjewar

Invited Talk -22: 2.30 pm – 3.00 pm

Title: Hydration Mechanism and Strength of OPC and Blended OPC with Fly Ash in the Presence of Dampproofing Admixture

Prof. N. P. Singh

Department of Chemistry
UdaiPratapAutonomous College,
Varanasi, UP



Invited Talk -23: 3.00 pm – 3.30 pm

Title: Electrical and magnetic features of disordered double perovskite $\text{La}_2\text{CrMnO}_6$ ceramics

Prof. Dev. K. Mohato

Department of Physics,
National Institute of
Technology Patna,
Patna -800 005, India



Invited Talk -24: 3.30 pm – 4.00 pm

Title: Functional Carbon Nanomaterials and Their Potential Applications

Dr. S. P. Gokhale

Physical and Materials Chemistry Division,
CSIR-National Chemical Laboratory,
Pune 411008



Oral Presentations (OP-42 to OP-56): 4.00 pm – 6.30 pm

Dinner: 7.30 pm to 9.30 pm

Sunday, 7th Oct. 2018, Day 3rd

Session VI: 10.00 am – 11.00 am

Chairperson: Prof. M. R. Lanjewar

Department of Chemistry, R.T.M.N. University, Nagpur.

Rapporteur: Dr. S. P. Puppalwar

Invited Talk -25: 10.00 am – 10.30 am

Title: Mössbauer Spectroscopy: an Unique tool for Material Characterization

Prof. A. N. Garg

Institute of Nuclear Science and Technology, Amity University, Sector 125, Noida 201313, U P



Invited Talk -26: 10.30 am – 11.00 am

Title: Innovations and Future Challenges in Science and Technology

Dr. Gulshan Relhan

Ex-sr, Scientist BARC & Programme officer BRNS, Mumbai



Oral Presentations (OP-57 to OP-70): 11.00 am – 1.00 pm

Valedictory Function: 1.00 pm- 2.00 pm

Lunch: 2.00 pm – 3.00pm

Poster Presentations

Friday: 5th October 2018

PP-1 To PP-100 Time: 3.00 pm -7.00 pm

Saturday: 6th October 2018

PP-101 To PP-200 Time: 10.00am To – 1.00pm

PP-201To PP-300 Time: 3.00 pm – 5.00 pm

PP-301To PP-404 Time: 5.00 pm – 7.00 pm