

Fifth International Conference on Advances in Materials Studies 2026

Conference Schedule

Online Presentation links will be shared through email on or before 28 Jan 2026

Date & Day: 30 Jan 2026, Friday

Activity	Time (Indian Std. Time)
Inauguration	10.00 am to 10.45 am
Keynote 1	11.00 am to 11.45 am
Session MF1	12.00 pm to 01.30 pm
Session MF2	01.30 pm to 03.00 pm
Session MF3	01.30 pm to 03.00 pm
Session MF4	03.00 pm to 04.30 pm

Date & Day: 31 Jan 2026, Saturday

Activity	Time (Indian Std. Time)
Keynote 2	10.00 am to 10.45 am
Keynote 3	10.45 am to 11.30 am
Session MS1	11.30 am to 01.00 pm
Session MS2	01.00 pm to 02.30 pm
Session MS3	02.30 pm to 04.00 pm
Valedictory	04.30 pm to 05.00 pm

Important Guidelines

- ❖ All sessions will be initiated 10 minutes before scheduled time. All authors are requested to join at least 5 minutes before the start of the session.
- ❖ Authors are requested to attend the full session from the start. The internal session sequence may be subject to change in case of No Show Paper.
- ❖ Authors are free to select their own template for Power Point Presentation
- ❖ **Non presented papers will not be considered for the further publication process.**
- ❖ The time allotted for each paper is 12 minutes (10 minutes for presentation and 2 minutes Q & A)
- ❖ Authors are free to select their PPT template. Please add Paper Title, Authors Names and Affiliations in the First slide. Use appropriate font color and size.
- ❖ The session can be attended by all authors. The answers during Q & A can be given by any author. Corresponding authors are requested to share the meeting links with co-authors.
- ❖ You are kindly invited to attend the Conference Inauguration on 30 Jan 2026, Friday.
- ❖ Please attend all keynote speeches, as they offer invaluable insights from experts and enhance your knowledge of cutting-edge developments and trends in the field.
- ❖ Please refer to the conference website for updates. www.icams.in
- ❖ Please add the paper ID, Authors, Title and Session during communication so that we can assist you quickly. Email: info.icams@gmail.com

ICAMS 2026: Paper Presentation Sessions

Session: **MF1** | Day/Date: **30 Jan 2026, Friday** | Time: **12.00 pm to 01.30 pm (IST)**

Paper ID	Paper Title	Authors
15001	Phase Evolution and Magnetic Properties of Cu-Co-Ni Alloy Synthesized by Mechanical Alloying	Akhtarujjaman Sarkar, Sumit Chabri and Supriya Bera
13006	MOF-Based Mixed Matrix Gas Separation Membranes with a Novel Copolyimide Matrix	Süleyman Berkay Tatlıcı, Cansu Yıldırım, Gökçe Zeynep Yılmaz and Ş. Birgül Tantekin-Ersolmaz
23003	Advancements in Transition Metal Oxide-Founded Materials for Supercapacitors	D. Saritha
23005	Analysis of The Structural Properties of Low Energy Xenon Ion Beam Irradiated Selenium over Bismuth Bilayer	Anil Kumar Das
29003	High Performance AA2024 Alloy From Aerospace Scrap Through Severe Plastic Deformation and Powder Metallurgy - Optimization of Process Parameters by Machine Learning	Seeram Roopa, Swami Naidu Gurugubelli and Kottapalli Venkatesh
30001	Critical Behavior and Data Collapse in RE-123 Bulk Superconductors via Fisher-Fisher-Huse Scaling	Payel Das
21006	Whole-Body Vibration in Tractor Operators: Frequency Response, Seat Transmissibility and Suspension Effects	Vilas Mhaske, Neeraj Kumar and Imtiyaz Khan
24006	Advanced Fire Safe FRP Rods: Enhancing Safety and Performance in Optical Fiber Cables	Pranali Nanvate and Dev Kumar Lalla

Session: **MF2** | Day/Date: **30 Jan 2026, Friday** | Time: **01.30 pm to 03.00 pm (IST)**

Paper ID	Paper Title	Authors
13005	Comparative Studies of Kevlar/Epoxy Composites with Hybrid SiC-ZnO Nanofillers Fabricated by Vacuum Bag Molding and Compression Molding	Bupesh Kumar K and B.M. Rajaprakash
13007	Stacking Sequence Identification in Multifiber Composite Laminates: A Critical Review of Experimental, Computational and Data-Driven Approaches	Surbhi Mishra, Gagan Goyal and Deepak Paliwal
13009	A Higher-Order Zigzag Theory for Laminated Composites: Benchmarking Against Exact 3D Solutions for Various Stacking Sequences	Aamir Anwar Nezami and Sunny Akhtar
23002	Synthesis of Multifunctional Gold-Polyaniline(Au-PANI) Nanocomposite: Field emission and Supercapacitor Studies	Sandip S. Patil, Kashmira V. Harpale and Mahendra A. More
27004	Advanced Composite Materials with Polymer Additives: A Comprehensive Literature Review with a Novel Mixing Composition Design Contribution	Mudit Dubey, Shah Fateh Azam and Anuj Shukla
13010	Advanced Liquid Crystal Polymer (LCP) Based Composite Rod: A High-Performance Alternative for Optical Fiber Cable Reinforcements	Dev Kumar Lalla and Pranali Nanavate
17002	Advanced Foam-Free FRP Honeycomb Composite Structural Insulated wall Panels (CSIPs) with Enhanced Thermal Resistance for Extreme Cold-Climate Shelters	Arpita Mandal and Bishal Banik

Session: **MF3** | Day/Date: **30 Jan 2026, Friday** | Time: **01.30 pm to 03.00 pm (IST)**

Paper ID	Paper Title	Authors
13001	A Finite Element Analysis of Fiber Orientation in Cotton/Epoxy Composites	Ahmed Y Elmahi and Mohammad N Inamdar
19001	Modelling and Free Vibration Analysis of Functionally Graded Beams	Mohammed Ushairam, Mohammad Rizwan Khan, Najeeb Ur Rahman and Farhan Ahmad
19002	Free Vibration Analysis of Isotropic Plates with V-Shaped and Inverted V Shaped Stiffeners	Mohammad Rizwan Khan, Mohammed Ushairam and Najeeb Ur Rahman
19003	Numerical Analysis of Thermal Management in High-Performance Lithium-Ion Batteries	Ebram F. F. Mokbel and Mohamed H. Abdelati
19005	Comparative Modal Analysis of Uniform and Metamaterial Beam Structure	Samiyoddin Siddiqui and Rahul Singh
19006	Software Tools and Simulation Techniques for Tractor Seat Suspension Vibration Analysis	Vilas Mhaske, Neeraj Kumar and Imtiyaz Khan
29006	Numerical Investigation of Chevron Nozzle Geometry on Jet Mixing Characteristics	Ayan Ali Zaidi, Swathy Suresh and V R Sanal Kumar
11017	A Comparative Study of TiO ₂ like Nanostructures as Promising Materials for Diverse Environmental Applications: A Review	Anju Rani, Rita Saini

Session: **MF4** | Day/Date: **30 Jan 2026, Friday** | Time: **03.00 pm to 04.30 pm (IST)**

Paper ID	Paper Title	Authors
27002	Optimization of Machining Parameters for Wire EDM of Nickel Composites Reinforced with Al ₂ O ₃ and TiO ₂ Using TOPSIS	Anil K C, Kumar Swamy, Aditya, Chethan V, Nishath Madiha and Pavan S
27008	Design of an Aluminum Honeycomb Panel for a Lightweight Hybrid Blast-Proof Composite Material	Kumbhar Avinash Suresh and Shantanu Bhowmik
12002	Thermophysical Behavior of In-Sn Melts at 700 K	Rajendra Prasad Chaudhary, Md. Mosarrat Hussain, Anadi Prasad Singh, Jagdhar Mandal, Indu Shekhar Jha
18002	First-Principles Insights into Carbon Redistribution Drivers in Fe-Cr-C: Interstitial Energetics and Vacancy Trapping	Olga Kulitckaya and Vladislav Kulitckii
18004	Ground-State Energy of Strongly Correlated Systems: A Comprehensive Review of Classical and Quantum Approaches	Shubham Sharma , Kumud Saxena and Megha Gupta
18005	Estimation of the Thermodynamics of Au-Cu Melts at 1550K	Prakash Ranjan Deen, Soni Kumari and A. K. Pandey
18007	Concentration Effects and C-C Interactions for Interstitial Carbon in FeCr alloy from First Principles	Olga Kulitckaya and Vladislav Kulitckii
12001	Theoretical Anticipation of the Mixing Properties of Ag-Cu Melts at Different Temperatures	Nabin Kumar Roy, Rajendra Prasad Chaudhary, Raj Kamal Sahu, Jagdhar Mandal, Indu Shekhar Jha

Session: **MS1** | Day/Date: **31 Jan 2026, Saturday** | Time: **11.30 am to 01.00 pm (IST)**

Paper ID	Paper Title	Authors
14003	Synthesis and Swelling Kinetics of Guar Gum / Alginate Based Superabsorbent Polymer: Biodegradability and Agricultural Application	S B Shruthi and R R N Sailaja
25001	A Concise Review of Alloy-Based Anode Materials for Na-Ion Batteries	D. Saritha
25002	CoAl ₂ O ₄ Nanoflakes as Electrode Material for Supercapacitor Devices	Theertha P Ramesh, U. Sandhya Shenoy and D. Krishna Bhat
25004	Controlling the flow of lights through an All Organic Approach : Large Area, Flexible, Power - Efficient Polyelectrochromic Events of Solar Cell	Zainab Aamina and A K Pandey
24003	Synthesis and characterization of Scandium Nanoparticles Coupled with the Extract of Pergularia daemia	Ronak Chelari, Satish Rajpurohit and Sajan George
26003	Sustainable Solutions: PET Waste Upcycling to MOFs for Hydrogen Storage and Beyond	Archita Kushwaha, Saurabh Mishra, A.V. Ullas and Vijay Singh
11015	A Comprehensive Study on Experimental Investigation of Heat Transfer Enhancement inside Tube Using Hybrid Nanofluids	Deepak M Nibe, Neeraj Kumar and Imtiyaz Khan
11018	KBiFe ₂ O ₅ /rGO Composite with Enhanced Visible-Light-Induced Photocatalytic Activity towards Organic Pollutant Degradation	Ranjan Rai, Muralikrishna Molli
27007	Experimental Investigation of Novel Sandwich Composite of SiC- Aluminium Honeycomb-Thermoplastic Polymer and its Performance under Hyper Velocity Impact for Strategic Applications	Jithin Joshi and Shantanu Bhowmik

Session: **MS2** | Day/Date: **31 Jan 2026, Saturday** | Time: **01.00 pm to 02.30 pm (IST)**

Paper ID	Paper Title	Authors
11011	Se-doped V ₂ O ₅ Xerogels: Structural Engineering and Enhanced Pseudocapacitive Performance For Advanced Supercapacitors	Athira Anil
11012	Hydrothermal Synthesis And Characterization Of Zinc Oxide Nanostructure of Cementitious Substrate	Kshitij Srivastava, Saurabh Mishra and A.V. Ullas
11014	Role of Polymeric Surfactants (PVA/PEG/PVP) on Morphology, Magnetic and Visible Light Induced Photocatalytic Properties of Sol-gel Derived KBiFe ₂ O ₅	Ranjan Rai and Muralikrishna Molli
32011	Underwater Vibration Sensor to Enable Automated and Contactless Voice Recognition	Debasmita Sarkar, Ufuoma I. Kara, Rajan Singh, Anirban Phukan, Priyam Mondal, Roy P. Paily, Xiaoguang Wang and Uttam Manna
15003	Functional Properties and Nonlinear Optical Response of Imidazole Succinic Acid for Photonic Applications	Parth Raval and Bharat Parekh
15004	Solution-Processed NaInSnO ₄ and KInSnO ₄ Thin Films Intended as Gate Dielectrics in Low-Voltage TFTs and Their Photodoping Effect for Transparent Conductor Applications	Praveen Choudhary, Utkarsh Pandey and Bhola Nath Pal
15005	Impact of Oxygen Plasma Treatment on the structural and electrical properties of Pr _{0.7} Ca _{0.3} MnO ₃ manganite	Nopu Ongay Bhutia, Utpal Deka, Poojitha G, Ashok Rao and Saravanan A
17001	Electrical properties and Optical Parameters Under Photon Energy of Nd _{0.5} Ba _{0.5} CrO ₃ e for Optoelectronic Devices	Omar Rejaiba, J.Khelifi and Kamel Khirouni
34019	Classical and Non-Classical Nucleation Theories: Fundamentals, Experimental Evidence and Open Problems	Gour Dilip Paul