

3rd International Conference on Advances in Material Science 2023

09-10 May 2023 (ONLINE)

Full Conference Schedule

Date & Day	Activity	Time (Indian Standard Time)
09 May 2023 Tuesday	Inauguration	11.00 am to 12.00 pm
	Session 1	01.30 pm to 03.00 pm
	Session 2	03.00 pm to 04.30 pm
10 May 2023 Wednesday	Session 3	10.30 am to 12.00 pm
	Session 4	12.00 pm to 01.30 pm
	Session 5	01.30 pm to 03.00 pm
	Session 6	03.00 pm to 04.30 pm

All Authors are requested to attend the Inauguration, Keynote Speech and sessions as per above schedule.

For any other queries contact us at info.icams@gmail.com

Instructions for paper presentation

- ❖ Paper presentation is mandatory for all papers.
- ❖ Non presented papers will not be considered in the further publication process.
- ❖ Each paper will have 12 minutes for presentation and 3 minutes for Question and Answers.
- ❖ Best paper will be declared for Each Session. Hence, authors are requested to present their work in a detail and better manner.
- ❖ All authors are requested to join the meeting 5 minutes before the session and not to leave the session in between as much possible.
- ❖ Authors are requested to mute their video and audio, except the presenting authors. They can unmute the mic during Q & A.
- ❖ Any author / co-author can present the paper. The session can be attended by all authors. The answers during Q & A can be given by any author.
- ❖ The conference certificate will include names of all authors

3rd International Conference on Advances in Material Science 2023

Paper Presentation Schedule

Day 01: 09 May 2023, Tuesday (ONLINE)

Session	Paper Title	Authors
1	Change in Concrete Properties Due to Fire	Bhaskar Bhatt
	Stabilization of Black Cotton Soil Using Sand, Sodium Hydroxide And Fly Ash	Khamar Madiha Afnan, Durga Chaitanya Kumar Jagarapu, Dr. Syed Hamim Jeelani, Arunakanthi Eluru
	Experimental investigation on polyethylene terephthalate (pet) concrete	Ajay S T P, Durga Chaitanya Kumar Jagarapu, Arunakanthi Eluru
	Slugless Jet with Bimetallic Lined Shaped charge	Santosh N Ingole, M J Rathod
2	Role of catalyst and it's concentration on the production of green energy from metal waste	Kanakasabai P, Rajasekaran R, Saikat B, Sivamani S.
	Multiple Regression Analysis For Optimization Of Inulin Production From Chicory Roots	Kanakasabai, P, Sivamani, S, Saikat, B.
	Prediction of basic density in Pterocarpus dalbergioides wood by non destructive near infrared spectroscopy technique	M S Deepa
	Tensile and flexural strength of hybrid PLA / Basalt biocomposite	Mirza Faizaan, Satish B. Shenoy, Chandrakant R. Kini
	Synthesis of Carbon Dots Modified Al ₂ O ₃ Photo Catalyst for the Degradation of Textile Dye Under Solar Light and Kinetic Studies	Anurag Mishra, Chaithanya Krishna, Sodipilli Sravanth Komal, Kota Chandra Manohar Reddy, Nagaraju Kottam, Koteswararao J
	Corrosion inhibitive effects of orange juice for mild steel in acidic medium 5M H ₂ SO ₄	L. Lebea, M. Pita

Session 1	01.30 pm to 03.00 pm
Session 2	03.00 pm to 04.30 pm

3rd International Conference on Advances in Material Science 2023

Paper Presentation Schedule

Day 02: 10 May 2023, Wednesday (ONLINE)

Session	Paper Title	Authors
3	Welding of different stainless steel using Gas Tungsten Arc Welding technique and its characterisation - A Review	Jebin Thankachan Philip, Sudhish R
	Comparison of Static and Dynamic Test Results of Al 6061 Material Subjected To Severe Plastic Deformation.	Burak Bahat, Guven Guney Yapici
	Emerging trends in Copper Sulphide (CuS) & its conjugates-based supercapacitors	Dey Akashdeep, Noyel Victoria S., Gaikwad Mahendra
	Crystallinity Study of Electrodeposited SnO ₂ on FTO	Uddipan Agasti, Samit Karmakar, Soumik Kumar Kundu, Mili Sarkar, Sayan Chatterjee
	Influence of Grain Size and Friction Conditions on Fretting-Wear of Commercial Pure Titanium	Stolyarov Vladimir
	A Comprehensive Review on Recent Trends in Laser Forming Process	Vikram K. Aher and Ravindra R. Navthar
	Thermoluminescence properties of Sm doped LiF crystals grown by EFG technique for dosimetry application	Pooja Seth, Shruti Aggarwal
4	Adsorption study of 2, 4-Dichlorophenoxyacetic Acid removal using a polypyrrole-activated carbon composite	Sridevi H, Raja Selvaraj, Ramananda Bhat M
	Poly(O-Phenylene Diamine) reformed Pencil Graphite as the disposable electrochemical sensor for voltammetric analysis of tryptamine	Aswathy S Murali , Chippy Harish, Sherin Susan Cherian, Gayathri S Nair, Lekshmi S K, Surya Gopidas, Beena Saraswathyamma
	Experimental and Numerical investigation on effect of cut-outs on Modal parameters of epoxy/glass composite	Shashank N, Ranjan M, Shraddha A, Shashank P, Ramesh S Sharma
	Molecular Property Prediction using YOLO5 and Convolutional Neural Network Machine Learning Algorithm	Ryan S. Evangelista, Patrick D. Cerna, Cromwell M. Castillo, Keno C. Piad, Remedios Ado, Ma. Magdalena V. Gatdula
	A Review on Application of Machine Learning in Fused Deposition Modeling	Tambe Supriya Ravindra, Navthar Ravindra Rambhau
	Study of Joining of Dissimilar Metals Using Interlayer Materials: A Review	Dattatraya K Nannaware, Vijay S. Gadakh
	On the Additive Manufacturing of Biodegradable Polymers	Farhan Raza, Guney Guven Yapici

Session 3	10.30 am to 12.00 pm
Session 4	12.00 pm to 01.30 pm

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Paper Presentation Schedule

Day 02: 10 May 2023, Wednesday (ONLINE)

Session	Paper Title	Authors
5	Nitric Oxide Gas Sensing By Gold Nanoparticles Decorated Zinc Oxide Nanorods	Dulal Chandra Patra, Nitumoni Deka, Anabadya Dash, Suvra Prakash Mondal
	Effect of Zinc Oxide (ZnO) Nanoparticles on Electrical Characterization of Malachite Green (MG) Dye Based Organic Device	Sudipta Sen, Arnab Kanti Karan, Dipankar Sahoo, Nabin Baran Manik
	Screen printed ultra-flexible supercapacitor based on Zeolitic imidazolate framework derived Co ₃ O ₄ and Graphite Nanocomposite	Mohammad Saquib, Sudhakar Y. N, M. Selvakumar
	Experimental Investigation of Nano-material based Structural Composite	Vivek Patekar, Kishor Kale, Kanif Markad
	Thermoresponsive PNIPAM based nanocellulose reinforced composite hydrogels	Rohit Goyal, Sangeeta Sahu, Santanu Mitra, Bimlesh Lochab
	Dynamic Mechanical Analysis of Graphene Oxide/ Low Density Polyethylene Nanocomposite	Neena. P and P. Predeep
	Impact Behaviour of Composite Stiffened Panel Using Finite Element Analysis	R. Srilakshmi and R. Sanjay Kumar
6	Solid particle erosion wear behavior of barium titanate (BT)-calcium copper titanate (CCTO) ceramic polymer composites	Ajit Kumar Behera, Punyapriya Mishra, Punyatoya Mishra
	Effect of Gd content on the microstructures and corrosion properties of Mg-4Zn-3Gd alloy	Mita Khanam, HMMA Rashed
	Effects of Sn on Corrosion Resistance of Rare-Earth-Free Mg-2Zn Alloy	Aniqa Tasnim, Chanchal Kumar Roy, HMMA Rashed
	Physical materials science of the Fe-TM1-Nd-REM-TM2-B alloys obtained by quenching from the liquid state by spraying the melt with an inert gas flow of medium pressure.	Savin Valeriy, Marukhin Artem And Savina Liudmila
	Investigation of the Adsorption Characteristics of Theobroma cacao Peels Biomass Inhibitors on Mild Steel Surfaces by EIS, SEM-EDX, XPS, and Chemical Studies in Acidic Media	Yuli Yetri, Gunawarman, Rakiman, Adri Yanti Rivai, Ichlas Nur
	Influence of Alumina, Ferric Oxide, and Mn As Composites on The Properties of Recycled Aluminium Alloys	Srinath P, Gottmyers Melwyn J, Bhagyanathan C, Sathiyaseelan G, Santhosh Kumar C
	Effect of Strain Rate on the Mechanical Behavior of Additive-Manufactured Aluminum Alloy after Severe Plastic Deformation	Serdar Mermer, Amin Radi, Guney Guven Yapici

Session 5	01.30 pm to 03.00 pm
Session 6	03.00 pm to 04.30 pm