

Accepted papers

Paper ID	Authors	Paper Title	Registration
MSF#120	Evangelos Keramaris, Ioannis Petikas	Development and Implementation of an Artificial Neural Network for the Simulation of Flood Phenomena in a Natural Area	Registered
MSF#140	Manoj Agrawal, Chandra Prakash Antham, Sarah Salah Jalal, and Amandeep Nagpal	In Situ Testing of Materials: Advancements and Opportunities	Registered
MSF#100	Tejendra Singh Singhal , Jinesh Kumar Jain, D Atchuta Ramacharyulu, Alok Jain , Dalael Saad Abdul-Zahra	Eco-Design of Products and Processes: Principles and Tools for Sustainable Manufacturing	Registered
MSF#10	Abhijit Bhowmik, Indradeep Kumar , VSS Venkatesh, Sarbjeet Kaushal, Rahman S. Zabibah, Manish Gupta	Study the wear behaviour of Al7075/SiC Composite utilizing the grey-based Taguchi technique	Registered
MSF#130	Manoj Agrawal, VVSH Prasad, Ginni Nijhawan and Sarah Salah Jalal	Electron Microscopy for Materials Characterization: Advances and Applications	Registered
MSF#150	Shashank Srivastava, A Somaiah, Vishal Sharma and Hawraa K. Judi	Emerging Applications of Advanced Materials Processing in Healthcare and Biotechnology	Registered
MSF#160	Shashank Srivastava, Indradeep Kumar, Manish Kumar and Hussein Ghafel Shakier	Machine Learning and Artificial Intelligence for Advanced Materials Processing: Opportunities and Challenges	Registered
MSF#180	Ashish Kumar Singh, Nikolajs Glizde and Konstantin Savkovs	Influence of Annealing Temperature on the Chemical Composition of Composite Al-Si Coating Deposited via Magnetron Sputtering on ZK60A	Registered
MSF#190	Avdhesh Kumar Sharma, D Atchuta Ramacharyulu, Sorabh Lakhanpal and Hussein Ghafel Shakier	Exploring the Future of Advanced Materials Processing: Innovations and Challenges Ahead	Registered
MSF#220	Pankaj Sonia, P. Venkata Mahesh, Ginni Nijhawan and Saif Hameed Hlail	Hybrid Welding Techniques for Improved Joint Performance	Registered
MSF#200	Avadesh Sharma, A Somaiah, Ali kareem and Vishal Sharma	Processing of Advanced Materials for Next-Generation Electronics and Photonics	Registered
MSF#230	Toshit jain, Singavarapu Sujani, Navdeep Singh and Sharif Fadhil Abood Al-Alawachi	Biomimetic Materials for Regenerative Medicine: Design and Applications	Registered

MSF#240	Vishwesh Mishra, B D Y Sunil, Hawraa K. Judi and Alok Kumar Jain	Smart Materials in Biomedical Applications: Current Trends and Future Challenges	Registered
MSF#250	Toshit Jain, B D Y Sunil, Mustafa Asaad Hussein and Alok Jain	Smart Materials for Sensing and Actuation: State-of-the-Art and Prospects	Registered
MSF#280	Gaurav Pant, B Vijay Krishna, Noor kadhim abed, Amandeep Nagpal	Advances in Dental Materials: Bioactive Glass and Ceramic Composites	Registered
MSF#320	Yogesh Dubey, Pankaj Sharma, Mahendra Pratap Singh, Gvr. Seshagiri Rao, Q. Mohammad, Sorabh Lakhanpal	Green Machining: Environmental and Economic Impacts of Cutting Fluid	Registered
MSF#350	Ashenafi Abuye, Fasikaw Kibrete, Getaw Ayay, Ermias Gebrekidan	Comparative Flexural Analysis of Cantilever Beam at Various Loads Using Analytical, Computational and Experimental Techniques	Registered
MSF#310	Pankaj Sonia, R Srinivas, Lavish Kansal and Dalael Saad Abdul-Zahra	Bioinspired Composites: Lessons from Nature for Materials Design and Performance	Registered
MSF#370	Kahtan A. Mohammed, Sharif Fadhil Abood Al-alawachi, Adel H. Omran Alkhayatt, Mohammad Malik Abood, Mohammed Ayad Alkhafaji, Rahman S. Zabibah, Shubham Sharma	The Impact of Polymer Matrix Type On the Optical Properties of Silver Nanocomposites	Registered
MSF#270	Bharat Singh, B Venkata Krishna Prasad, Ali kareem and Gaurav Sethi	Micro-milling of Micro-structured Surfaces: Challenges and Opportunities	Registered
MSF#260	Bharat Singh, G Sravanthi, Saif Hameed Hlail and Alok K Jain	Advancements in Gas Tungsten Arc Welding for Aerospace Applications	Registered
MSF#360	Amer N. Jarad, Ahmed S. Abed, Kahtan A. Mohammed, Ali K. Alhussainy, Rahman S. Zabibah, Mohammed Al-khafaji, Shubham Sharma	Preparing and studying of Au Nanocomposites Synthesized with different polymer matrix	Registered
MSF#420	Saravanan Venkatachalam Subramanian, Chandramohan Palanisamy, Raghu Raman, and Peter Apata Olubambi	Certain Investigation on Feasibility of Developing Riser Less Ductile Iron Castings	Not Registered
MSF#390	Sabelo Bright Mthembu, Suresh Maddila, Sreekantha Babu Jonnalagadda, Thembinkosi Donald Malevu, Zamani	Microwave-Assisted Synthesis of Triazine Covalent Organic Frameworks via Friedel-Crafts Reaction for Use in Treating Brackish Water	Not Registered

	Cele, Bhekumuzi Prince Gumbi		
MSF#410	Chandramohan Palanisamy, Raghu Raman, and Peter Apata Olubambi	Microstructural characteristics, hardness and tribological behavior of additive manufactured CM247LC nickel super alloy	Not Registered
MSF#430	Peter Müller, L Mthembu	Topological Optimization of Mining Vehicle Tyre	Registered
MSF#480	Lehlogonolo.Rudolf Kanyane, Patricia Popoola, Nicholas. Malatji,Praise Mpofu	FEM Analysis on Thermo-mechanical behavior and experimental validation of Al20Cr20Fe25Ni25Mn10 High Entropy Alloy during Spark Plasma Sintering	Not Registered
MSF#490	Obara Cleophas, Abiodun Bayode, Fredrick Mwema, Tien-Chien Jen	Fabrication of Functionally Graded Materials through Severe Plastic Deformation of Powders: Process, Significance, and Future Development	Not Registered
MSF#470	P Mpofu, N Malatji, M.B Shongwe, L.R Kanyane	Fabrication and Characterization of AlCrFeCuNi High Entropy Alloy doped with (Yx) via Arc Melting Technology for Engineering Application	Not Registered