

Noida Institute of Engineering and Technology, Greater Noida

Department of Mechanical Engineering

Publication Details

Indexing	Years		
	2021	2022	2023
SCI/SCIE	0	6	2
ESCI/Scopus	12	17	4
Peer Reviewed	1	0	0
National Conference	0	0	0
International Conference	2	4	2
Total	15	27	8

Research Publication in Year 2021

Sr. No.	Year of Publication	Authors Name	Name of Journal (Publisher)	Title of Research Paper	SCI/SCIE/Scopus/Conference	Link
1	2021	Mudit Tyagi, Prateek Gupta, Rakesh Kumar Singh	Materials Today Proceedings (Elsevier)	Optimization of material removal rate of tempered glass by using electrochemical spark machining	Scopus	https://doi.org/10.1016/j.matpr.2021.10.103
2	2021	Rishabh Dwivedi, Rakesh Kumar Singh, Ashish Kumar Srivastava, Anshu Anand, Sanjay Kumar, Anurag Pal	Recent Trends in Industrial and Production Engineering, Lecture notes in mechanical engineering (Springer)	Statistical Optimization of Process Parameters During the Friction Stir Processing of Al7075/Al2O3/waste Eggshell Surface Composite	Scopus	http://dx.doi.org/10.1007/978-981-16-3330-0_9
3	2021	Rakesh Kumar Singh, Ashish Kumar Srivastava, Dheerendra Kumar Singh	Recent Trends in Industrial and Production Engineering, Lecture notes in mechanical engineering (Springer)	Microstructural and X-ray Diffraction Analysis of Surface Composite AZ31b/MgO/B4C Produced by Friction Stir Processing	Scopus	http://dx.doi.org/10.1007/978-981-16-3330-0_3
4	2021	Rishabh Dwivedi, Rakesh Kumar Singh, Sanjay Kumar, Ashish Kumar Srivastava	Materials Today Proceedings (Elsevier)	Parametric optimization of process parameters during the friction stir processing of Al7075/SiC/waste eggshell surface composite	Scopus	https://doi.org/10.1016/j.matpr.2021.03.545
5	2021	Praveen Pachauri, Abdhesh Kumar, Manish Maurya	Materials Today: Proceedings (Elsevier)	Effect of powder metallurgy on high entropy alloy materials: A review	Scopus	https://doi.org/10.1016/j.matpr.2021.04.529
6	2021	Anurag Pal, Anuj Dixit, Ashish Kumar Srivastava	Materials Today: Proceedings (Elsevier)	Design and optimization of the shape of electrostatic precipitator system	Scopus	https://doi.org/10.1016/j.matpr.2021.03.448
7	2021	Prateek Gupta, Shivaji Chaudhary, Vikas Kumar, Sudhir Kumar, Rohit Sahu	Materials Today: Proceedings (Elsevier)	Investigation and characterization of brass joint fabricated by microwave hybrid heating process	Scopus	https://doi.org/10.1016/j.matpr.2021.04.054

8	2021	Prateek Gupta, Vikas Kumar, Shivaji Chaudhary, Sudhir Kumar, Jitendra Kumar Singh, Pankaj Kumar Chauhan	Materials Today: Proceedings (Elsevier)	Investigation and characterization of microwave processed joint of MS1020	Scopus	https://doi.org/10.1016/j.matpr.2021.03.523
9	2021	Shailendra Kumar Verma, Vijay Kumar Dwivedi, Shashi Prakash Dwivedi	Materials Today Proceedings (Elsevier)	Utilization of waste spent alumina catalyst for the development of valuable product – A review	Scopus	https://doi.org/10.1016/j.matpr.2021.06.146
10	2021	Shailendra Kumar Verma, Vijay Kumar Dwivedi, Shashi Prakash Dwivedi	Materials Today Proceedings (Elsevier)	Utilization of aluminium dross for the development of valuable product – A review	Scopus	https://doi.org/10.1016/j.matpr.2020.12.045
11	2021	Shyam Lal, Ajay kumar, Sudhir Kumar, Nitin Gupta	Materials Today Proceedings (Elsevier)	Characterization of A356/B4C composite fabricated by electromagnetic stir-casting process with vacuum	Scopus	https://doi.org/10.1016/j.matpr.2020.05.830
12	2021	Raj Kumar Goel, Chandra Shekhar Yadav, Shweta Vishnoi, Laxman Singh, Praveen Pachauri	Journal of Engineering Science and Technology Review	Team Cognition Approach in Agile Software Development	Scopus	http://dx.doi.org/10.25103/jestr.144.03
13	2021	Vineet Kumar, AK Sinha, AK Solanki, P Pachauri, Chandra Shekhar Yadav	Design Engineering	An Intelligent Image Inpainting Autoencoder Model for Irregular Mask	Preer Review	http://www.thedesignedengineering.com/index.php/DE/article/view/1890
14	2021	Prateek Chaturvedi, Praveen Pachauri, Ruchira Srivastava, Ayushi Thakur	2nd International Conference on Intelligent Engineering and Management (IEEE)	Hazard Warning & Turn Signal Indication Technologies and Acquisition in Automotive Sector	International Conference	https://doi.org/10.1109/ICIEM51511.2021.9445299
15	2021	Swastik Soni, Shyamlal Verma	Walnut Publication	Microstructure and Microhardness characterization of AA6063/SiC+Al ₂ O ₃ Metal Matrix Composites Fabricated by Electromagnetic Stir Casting Method	International Conference	

Research Publication in Year 2022

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1	2022	S Raja, Anant Prakash Agrawal, Pravin P Patil, P Timothy, Rey Y Capangpangan, Piyush Singhal, Mulugeta Tadesse Wotango	International Journal of Chemical Engineering (Hindawi)	Optimization of 3D printing process parameters of polylactic acid filament based on the mechanical test	SCI/SCIE	https://doi.org/10.1155/2022/5830869
2	2022	Nitesh Kumar, Rakesh Kumar Singh, Ashish Kumar Srivastava, Akash Nag, Jana Petru, Sergej Hloch	Coatings (MDPI)	Surface Modification and Parametric Optimization of Tensile Strength of Al6082/SiC/Waste Material Surface Composite Produced by Friction Stir Processing	SCI/SCIE	https://doi.org/10.3390/coatings12121909
3	2022	Shashi Prakash Dwivedi, Praveen Pachauri, Manish Maurya, Ambuj Saxena, Ravi Butola, Rohit Sahu and Shubham Sharma	Materials Testing (De Gruyter)	Alumina catalyst waste utilization for aluminum-based composites using the friction stir process	SCI/SCIE	https://doi.org/10.1515/mt-2021-2074
4	2022	Partha Pratim Das, Ankit Manral, Furkan Ahmad, Bhasha Sharma, Vijay Chaudhary, Sumit Gupta, Pallav Gupta	Polymer Composites (Wiley)	Environmentally sustainable chemical treatment of plant fibers for improved performance of polymeric composites	SCI/SCIE	https://doi.org/10.1002/pc.26779

5	2022	Virendra Kumar, Anil Kumar, Surendra Kumar Yadav, Anshul Yadav, Lalta Prasad, Jerzy Adam Winczek	Strojniški vestnik - Journal of Mechanical Engineering (University of Ljubljana)	Numerical Analysis on a Constant Rate of Kinetic Energy Change Based a Two-Stage Ejector-Diffuser System	SCI/SCIE	https://doi.org/10.5545/sv-jme.2021.7538
6	2022	Prasad Lalta, Bairwan Rahul, Yadav Anshul, Kumar Anil, Kumar Virendra, Winczek Jerzy	Journal of Natural Fibers (Taylor & Francis)	Evaluation of Physical, Mechanical, and Wear Properties of Jatropha Shell Powder Reinforced Epoxy Glass Fiber Composites	SCI/SCIE	https://doi.org/10.1080/15440478.2022.2054892
7	2022	Shahazad Ali, Anant Prakash Agrawal, Naseem Ahamad, Tribhuwan Singh, Atif Wahid	Materials Today: Proceedings (Elsevier)	Robotic MIG welding process parameter optimization of steel EN24T	Scopus	https://doi.org/10.1016/j.matpr.2022.03.091
8	2022	Shyam Lal Sharma, Anant Prakash Agrawal, Chandan Kumar	Materials Today: Proceedings (Elsevier)	Design and fabrication of three direction dumping mechanism in trucks	Scopus	https://doi.org/10.1016/j.matpr.2022.03.406
9	2022	Sachin Rathore, KLA Khan, Anant Prakash Agrawal, Rupesh Chalisgaonkar, Ratnesh Kr Raj Singh, Malay Katiyar	Materials Today: Proceedings (Elsevier)	Modelling of Indian vendors posture using rapid upper limb assessment (RULA)	Scopus	https://doi.org/10.1016/j.matpr.2022.03.712
10	2022	Anant Prakash Agrawal, Shahazad Ali, Sachin Rathore	Materials Today: Proceedings (Elsevier)	Finite element stress analysis for shape optimization of spur gear using ANSYS	Scopus	https://doi.org/10.1016/j.matpr.2022.03.404
11	2022	Ankit Rawat, Ankit Kumar, Anant Prakash Agrawal	Materials Today: Proceedings (Elsevier)	Investigation of mechanical properties of heat-treated A356/SiC composite fabricated through stir casting technique	Scopus	https://doi.org/10.1016/j.matpr.2022.02.618
12	2022	Satish Kumar, Naseem Ahmad, Shahazad Ali, Uma Sharma, Pallav Gupta	Materials Today: Proceedings (Elsevier)	Investigation of the influence of bimetallic micro SiC particles reinforced in FSW of Al6061-Al7075 composite	Scopus	https://doi.org/10.1016/j.matpr.2021.12.433

13	2022	Uma Sharma, Naseem Ahmad, Shahazad Ali, Satish Kumar, Pallav Gupta	Materials Today: Proceedings (Elsevier)	Performing a comparative study of mechanical properties of Al-Cu composite reinforced with or without bimetallic SiC micro-particle	Scopus	https://doi.org/10.1016/j.matpr.2021.11.382
14	2022	Nitesh Kumar, Prateek Gupta, Rakesh Kumar Singh	Scientific and Technical Journal of Information Technologies Mechanics and Optics (ITMO Unversity)	Fabrication and characterization of hybrid composite of Al6082/SiC/rice husk powder using friction stir processing	Scopus	http://dx.doi.org/10.17586/2226-1494-2022-22-6-1119-1126
15	2022	Nitesh Kumar, Prateek Gupta, Rakesh Kumar Singh	Journal of The Institution of Engineers (India) Series D (Springer)	Fabrication of Al 6082/SiC Composite Using Friction Stir Processing	Scopus	http://dx.doi.org/10.1007/s40033-022-00413-2
16	2022	Rishabh Dwivedi, Ashish Kumar Srivastava, Rakesh Kumar Singh	Metallurgical Research and Technology (EDP Sciences)	Effect of eggshell waste and B4C particles on the mechanical and tribological properties of Al7075 alloy developed by friction stir processing	Scopus	http://dx.doi.org/10.1051/metal/2022055
17	2022	Ojasvi Sharma, Prateek Gupta, Tarun Kumar	IOP Conference Series: Materials Science and Engineering	Fabrication And Characterisation of AA6063-T6/SiC/Waste Bone Powder Using Electromagnetic Stir Casting	Scopus	https://doi.org/10.1088/1757-899X/1248/1/012076
18	2022	Sashikant Awasthi, Prateek Gupta, Praveen Pachuri, Mudit Tyagi	Materials Today: Proceedings (Elsevier)	Optimization of magnesium ZK60A/SiC/B4C hybrid composite fabricated by friction stir processing	Scopus	https://doi.org/10.1016/j.matpr.2022.02.616
19	2022	Sachin Patel, Prateek Gupta, Shyam Lal Verma	Materials Today: Proceedings (Elsevier)	Optimization of hybrid composites 7075 Al fabricated by friction stir processing using Taguchi's philosophy	Scopus	https://doi.org/10.1016/j.matpr.2021.10.225
20	2022	Swastik Soni, Shyamlal Verma	Materials Today Proceedings (Elsevier)	Double shear performance of the hybrid aluminium metal matrix composite Al6063-SiC/Al2O3 fabricated through	Scopus	https://doi.org/10.1016/j.matpr.2022.04.639

				electromagnetic stir casting process		
21	2022	Shailendra Kumar Verma, Vijay Kumar Dwivedi, Shashi Prakash Dwivedi	Advances in Mechanical and Energy Technology, Lecture notes in mechanical engineering (Springer)	Utilization of Reinforced Palm Fibers Used for Composite Materials—A Review	Scopus	https://doi.org/10.1007/978-981-19-1618-2_18
22	2022	Mohammad Arshad Jamal, Praveen Pachauri, Shailendra Kumar Verma	Advances in Mechanical and Energy Technology, Lecture notes in mechanical engineering (Springer)	A Review and Emphasis on the Relevance of the Aluminum Based Hybrid Composite	Scopus	https://doi.org/10.1007/978-981-19-1618-2_25
23	2022	Shyam Lal, Sudhir Kumar, Ajay Kumar, Lalman Patel, Aniruddha	Materials Today Proceedings (Elsevier)	Fabrication and characterization of hybrid metal matrix composite Al-2014/SiC/fly ash fabricated using stir casting process	Scopus	https://doi.org/10.1016/j.matpr.2020.11.168
24	2022	Utpal Kant, Sanjay Kumar, Anant Prakash Agrawal, Ankit Sharma	International Journal of Manufacturing and Materials Processing	A Review of Recent Developments in Solid State-Based Metal Additive Manufacturing: Friction Stir Additive Technique	International Conference	https://doi.org/10.37628/ijmmp.v8i2.1481
25	2022	Avyansh Gupta, Ansh Pachauri, Praveen Pachauri, S Vikram Singh, Prateek Chaturvedi, Smita Sharma	International Conference on Technological Advancements and Innovations (ICTAI) (IEEE)	A review on conglomeration of Technologies for Smart Cities	International Conference	https://doi.org/10.1109/ICTAI53825.2021.9673458
26	2022	Parinishtha Surya, Praveen Pachauri, Ansh Pachauri, Prateek Chaturvedi, Suman Avdhesh Yadav, Divya Singh	International Conference on Technological Advancements and Innovations (IEEE)	Virtualization Risks and associated Issues in Cloud Environment	International Conference	https://doi.org/10.1109/ICTAI53825.2021.9673424
27	2022	Ankit Sharma, Shyamlal Verma, Shahazad Ali	Proceedings of the Advancement in Electronics & Communication Engineering 2022	Fabrication and Characterization of Al 6063/TiO ₂ /B ₄ C Hybrid Composite by the Electromagnetic Stir Casting Processes	International Conference	https://dx.doi.org/10.2139/ssrn.4186516

Research Publication in Year 2023

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1	2023	Ankit Manral, Anant Prakash Agarwal, Furkan Ahmad, Partha Pratim Das, Bhasha Sharma & Vijay Chaudhary	Biomass Conversion and Biorefinery (Springer)	Experimental investigation of tribology, interfacial temperature, surface roughness, and morphological analysis of bio-composites	SCI/SCIE	https://doi.org/10.1007/s13399-023-04430-3
2	2023	Anant Prakash Agrawal, Virendra Kumar, Jitendra Kumar, Prabhu Paramasivam, Seshathiri Dhanasekaran, Lalta Prasad	Heliyon (Elsevier)	An investigation of combined effect of infill pattern, density, and layer thickness on mechanical properties of 3D printed ABS by fused filament fabrication	SCI/SCIE	https://doi.org/10.1016/j.heliyon.2023.e16531
3	2023	Ankit Manral, Rakesh Singh, Furkan Ahmad, Partha Pratim Das, Vijay Chaudhary, Rahul Joshi, Pulkit Srivastava	Composites Part C: open Access (Elsevier)	Multi-objective optimization of mechanical properties of chemically treated bio-based composites using response surface methodology	ESCI/Scopus	https://doi.org/10.1016/j.jcomc.2022.100337
4	2023	Shambhu Pandit, Anant Prakash Agrawal, Parveen Pachauri, Virendra Kumar, Surendra Kumar Yadav	Materials Today: Proceedings (Elsevier)	Design of CRMC non-adiabatic supersonic nozzle with frictional effect	Scopus	https://doi.org/10.1016/j.matpr.2023.02.428
5	2023	Ojasvi Sharma, Prateek Gupta, Tarun Kumar	Materials Today: Proceedings (Elsevier)	Characterization of AA6063-T6/SiC/Walnut shell powder hybrid composite fabricated by electromagnetic stir-casting process with vacuum	Scopus	https://doi.org/10.1016/j.matpr.2022.10.247

6	2023	Arshad Jamal, Swastik Soni, Shailendra Kumar Verma, Praveen Pachauri	Materials Today Proceedings (Elsevier)	Mechanical behavior of aluminium based stir casted composite materials utilizing petroleum waste, ceramic powder and metal powder as the reinforcement	Scopus	https://doi.org/10.1016/j.matpr.2023.01.132
7	2023	Ratnesh Verma, Abdhesh Kumar, Pulkit Shrivastava, Ankit Sharma	International Conference on Science, Engineering and Technology	Fabrication and characterization of metal matrix composite by Friction Stir Additive Manufacturing (FSAM): A Review	International Conference	
8	2023	Anil Kumar Mishra, Sanjay Kumar, Rakesh Kumar Singh, Ankit Sharma	Proceedings of the Advancement in Electronics & Communication Engineering 2022	A Study on the Fabrication of Metal Matrix Composite Fabricated by Friction Stir Additive Manufacturing (FSAM)	International Conference	https://dx.doi.org/10.2139/ssrn.4159629