

Research Publications

	International Journals			International Conference		Book/Book Chapter		Patents (Published /Granted)
	SCI/ SCIE	ESCI/ Scopus	Peer- reviewed	Scopus	Peer- reviewed	Book	Book Chapter	
(2024-25)	2	3	0	0	0	0	0	0
(2023-24)	6	2	5	3	1	0	4	5
(2022-23)	5	3	1	4	3	1	3	4
(2021-22)	4	1	0	17	0	1	6	3
(2020-21)	0	5	1	10	37	0	38	9
Total	17	14	7	34	41	2	51	21

* Session considered from 1 July to 30 June

Research Publications (International Journal)

Academic Year (2024-25)

S. No.	Name of the Author(s)	Title of the Paper	Name of the Journal	Name of Publisher	Date, Month and Year of Publication	ISSN	Type of Publication (SCI, SCOPUS, WOS, UGC Care and Others)	DOI/Online Link/ URL of Paper
1	Mukul Saxena , Anuj Kumar Sharma, Amit Rai Dixit, Narendra Singh, Monika Singh	Investigation on the thermal behavior of g-C ₃ N ₄ /MoS ₂ nanocomposite produced by microwave-assisted method	Clean Technologies and Environmental Policy	Springer	11-May-24	1618-9558	SCIE	https://doi.org/10.1007/s10098-024-02929-5
2	Anant Prakash Agrawal, Shahazad Ali , Naveen Mani Tripathi, Rajeev Kumar, Pulkit Srivastava	Optimizing Structural Steel Spur Gear Design for Reduced Stress Concentrations in Industry 4.0 Using Finite Element Analysis	Recent Patents on Mechanical Engineering	Bentham Science	05-Jul-24	2212-7976	Scopus	http://dx.doi.org/10.2174/012127976309163240620080241
3	Sumit Kumar, Shruti Bakshi, Shilpa Chaudhary, Jasmeen Kaur, Anant Prakash Agrawal , Suman Rani	Heat Post-Treatment Effect on Optical and Electrical Properties of ZnS Thin Films	Biointerface Research in Applied Chemistry	AMG Transcend Association	21-Jul-24	2069-5837	Scopus	https://biointerfaceresearch.com/wp-content/uploads/2024/07/BR/AC144.100.pdf
4	Shubham Kumar, Anant Prakash Agrawal, Shahazad Ali , Ankit Manral	Exploring the influence of fiber orientation on the mechanical characteristics of polymer composites reinforced with banana and corn fibers	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications	Sage	23-Jul-24	2041-3076	SCIE	https://doi.org/10.1177/14644207241260662
5	Md Haris Iqbal, Shailendra Kumar Verma, Anant Prakash Agrawal	Experimental Analysis of Hybrid Composite Sheets: Epoxy Resin Reinforced with Date Palm Fiber and Spent Alumina Catalyst	Journal of The Institution of Engineers (India): Series D	Springer	25-Jul-24	2250-2130	Scopus	https://doi.org/10.1007/s40033-024-00791-9
6	Anand Kushwah, Vikas Jangir, Sanjay Sundriyal, Kamlesh Paswan, Ajay Kumar	Life Cycle Impact Assessment (LCIA), A Decision Making Approach in Waste Water Treatment Plant: A Case Study	International Journal of Built Environment and Sustainability	Universiti Teknologi Malaysia	08-Sep-24	2289-8948	ESCI	https://doi.org/10.11113/ijbes.v11.n3.1282

Research Publications (International Journal)

Academic Year (2023-24)

S. No.	Name of the Author(s)	Title of the Paper	Name of the Journal	Name of Publisher	Date, Month and Year of Publication	ISSN	Type of Publication (SCI, SCOPUS, WOS, UGC Care and Others)	DOI/Online Link/ URL of Paper
1	Anant Prakash Agrawal , Masood Ashraf Ali, Sachin Rathore, Ratnesh Kumar Raj Singh	Mechanical Properties of Friction Stir Processed B4C/Gr-Reinforced Hybrid Composite Fabricated Through Stir Casting Method	International Journal of Metalcasting	Springer	04-Jul-23	1939-5981	SCIE	https://doi.org/10.1007/s40962-023-01078-7
2	Anurag Ojha, Rakesh Kumar Singh, Anant Prakash Agrawal	Characterization of Al6082 and Magnesium AZ31B Composite Produced by The Friction Stir Additive Manufacturing	International Journal of Manufacturing and Production Engineering	STM Journals	05-Jul-23		Other	https://journals.stmjournals.com/ijmpe/article=2023/view=112076/
3	Lovely Mishra, Sanjay Kumar, Anant Prakash Agrawal, Ankur Yadav	Optical Sensor Based Contact Less Automotive Lever Combination Switch	International Journal of Science, Engineering and Management	IFERP	21-Aug-23	2456-1304	Other	https://ijsem.org/viewabstract.php?id=16451&volume=Volume10&issue=Issue8
4	Anant Prakash Agrawal, Shahazad Ali	Investigation of stresses at a critical location for shape optimization of connecting rod using finite element analysis	Songklanakarin Journal of Science and Technology	Prince of Songkla University	22-Aug-23	0125-3395	Scopus	https://sjst.psu.ac.th/article.php?art=3018
5	Anant Prakash Agrawal , Sunil Kumar Srivastava	Synthesis, characterization, and mechanical properties of Al–Zn–Mg alloy-based hybrid metalmatrix composites reinforced with Si3N4/TiB2 particles processed through stir casting technique	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications	Sage	17-Oct-23	2041-3076	SCIE	https://doi.org/10.1177/14644207231207939
6	Anant Prakash Agrawal , Sunil Kumar Srivastava	Investigating the Effects of Adding Si3N4 on Microstructural and Mechanical Characteristics of AA7075-based TiB2-Reinforced Hybrid MMCs	International Journal of Metalcasting	Springer	14-Nov-23	1939-5981	SCIE	https://doi.org/10.1007/s40962-023-01202-7
7	Shailendra Kumar Verma , Vijay Kumar Dwivedi, Shashi Prakash Dwivedi	Effect of spent alumina catalyst and date palm fiber ash addition in the development of aluminum based composite	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	Sage	04-Dec-23	0954-4062	SCIE	https://doi.org/10.1177/09544062231214021

8	Abhinao Anand Singh, Abhijit Saha, Rakesh Kumar Singh, Ashok Kumar Yadav, Ashish Dewangan, Bhupender Singh	Experimental investigations on the electrochemical machining of D3 die steel material and multi-objective parameters optimization	Surface Review and Letters	World Scientific	05-Jan-24	1793-6667	SCIE	https://doi.org/10.1142/S0218625X24500744
9	Shailendra Kumar Verma, Vijay Kumar Dwivedi, Shashi Prakash Dwivedi	An experimental investigation on mechanical and tribological properties of metal matrix composites fabricated with waste aluminum, SAC, and CDPF via stir casting	Journal of The Institution of Engineers (India): Series D	Springer	28-Jan-24	2250-2130	Scopus	https://doi.org/10.1007/s40033-024-00644-5
10	Om Prakash Sahani, Atul Ranjan, Somit Pratap Singh, Abdhesh Kumar	Study of Smart Knee Actuator Cushion Using Pressure-Sensitive Materials	NIET Journal of Engineering & Technology	NIET	14-Mar-24	2229-5828	Other	https://www.njet.org/uploads/articles/NIETJET-1201W-2023-004.pdf
11	Raj Kumar Bhati, Anant Prakash Agrawal, Abdhesh Kumar, Shahazad Ali,	A Review On Compositions & Mechanical Properties Of Hemp And Natural Fibers Hybrid Epoxy Composites	NIET Journal of Engineering & Technology	NIET	28-Mar-24	2229-5828	Other	https://www.njet.org/archives/NIETJET-1201W-2023-006
12	Shubham Kumar, Anant Prakash Agrawal, Shahazad Ali	Review Of Mechanical Properties And Composition Of Epoxy Composites Reinforced With Natural Fibers: A Hybrid Approach	NIET Journal of Engineering & Technology	NIET	28-Mar-24	2229-5828	Other	https://www.njet.org/archives/NIETJET-1201W-2023-007
13	Anant Prakash Agrawal, Sunil Kumar Srivastava	Investigations of fatigue crack growth rate behaviour and life prediction of Si3N4/TiB2 reinforced hybrid metal matrix composites	International Journal of Fatigue	Elsevier	07-May-24	1879-3452	SCIE	https://doi.org/10.1016/j.ijfatigue.2024.108373

Research Publications (International Journal)

Academic Year (2022-23)

S. No.	Name of the Author(s)	Title of the Paper	Name of the Journal	Name of Publisher	Date, Month and Year of Publication	ISSN	Type of Publication (SCI, SCOPUS, WOS, UGC Care and Others)	DOI/Online Link/ URL of Paper
1	Rishabh Dwivedi, Ashish Kumar Srivastava, Rakesh Kumar Singh	Effect of eggshell waste and B4C particles on the mechanical and tribological properties of Al7075 alloy developed by friction stir processing	Metallurgical Research and Technology	EDP Sciences	10-Aug-22	2271-3646	SCIE	http://dx.doi.org/10.1051/metal/2022055
2	S Raja, Anant Prakash Agrawal , Pravin P Patil, P Timothy, Rey Y Capangpangan, Piyush Singhal, Mulugeta Tadesse Wotango	Optimization of 3D printing process parameters of polylactic acid filament based on the mechanical test	International Journal of Chemical Engineering	Hindawi	11-Aug-22	1687-8078	SCIE	https://doi.org/10.1155/2022/5830869
3	Nitesh Kumar, Prateek Gupta, Rakesh Kumar Singh	Fabrication of Al 6082/SiC Composite Using Friction Stir Processing	Journal of The Institution of Engineers (India) Series D	Springer	06-Oct-22	2250-2130	Scopus	http://dx.doi.org/10.1007/s40033-022-00413-2
4	Nitesh Kumar, Rakesh Kumar Singh, Ashish Kumar Srivastava, Akash Nag, Jana Petru, Sergej Hloch	Surface Modification and Parametric Optimization of Tensile Strength of Al6082/SiC/Waste Material Surface Composite Produced by Friction Stir Processing	Coatings	MDPI	06-Dec-22	2079-6412	SCIE	https://doi.org/10.3390/coatings12121909
5	Ankit Manral, Rakesh Singh, Furkan Ahmad, Partha Pratim Das, Vijay Chaudhary, Rahul Joshi, Pulkit Srivastava	Multi-objective optimization of mechanical properties of chemically treated bio-based composites using response surface methodology	Composites Part C: Open Access	Elsevier	23-Dec-22	2666-6820	ESCI	https://doi.org/10.1016/j.jcocomc.2022.100337
6	Nitesh Kumar, Prateek Gupta, Rakesh Kumar Singh	Fabrication and characterization of hybrid composite of Al6082/SiC/rice husk powder using friction stir processing	Scientific and Technical Journal of Information Technologies Mechanics and Optics	ITMO University	Dec-22	2226-1494	Scopus	http://dx.doi.org/10.17586/2226-1494-2022-22-6-1119-1126
7	Utpal Kant, Sanjay Kumar, Anant Prakash Agrawal, Ankit Sharma	A Review of Recent Developments in Solid State-Based Metal Additive	International Journal of Manufacturing and Materials Processing	JournalPub	06-Apr-23	2582-5046	UGC Care	https://mechanical.journalspub.info/index.php?journal=IJM

		Manufacturing: Friction Stir Additive Technique						S&page=article&op=view&path%5B%5D=1481
8	Anant Prakash Agrawal , Virendra Kumar, Jitendra Kumar , Prabhu Paramasivam, Seshathiri Dhanasekaran, Lalta Prasad	An investigation of combined effect of infill pattern, density, and layer thickness on mechanical properties of 3D printed ABS by fused filament fabrication	Heliyon	Elsevier	23-May-23	2405-8440	SCI	https://doi.org/10.1016/j.heliyon.2023.e16531
9	Ankit Manral, Anant Prakash Agarwal , Furkan Ahmad, Partha Pratim Das, Bhasha Sharma & Vijay Chaudhary	Experimental investigation of tribology, interfacial temperature, surface roughness, and morphological analysis of bio-composites	Biomass Conversion and Biorefinery	Springer	09-Jun-23	2190-6823	SCIE	https://doi.org/10.1007/s13399-023-04430-3

Research Publications (International Journal)

Academic Year (2021-22)

S. No.	Name of the Author(s)	Title of the Paper	Name of the Journal	Name of Publisher	Date, Month and Year of Publication	ISSN	Type of Publication (SCI, SCOPUS, WOS, UGC Care and Others)	DOI/Online Link/ URL of Paper
1	Raj Kumar Goel, Chandra Shekhar Yadav, Shweta Vishnoi, Laxman Singh, Praveen Pachauri	Team Cognition Approach in Agile Software Development	Journal of Engineering Science and Technology Review	International Hellenic University	10-Sep-21	1791-2377	Scopus	http://dx.doi.org/10.25103/jestr.144.03
2	Lalta Prasad, Rahul Bairwan, Anshul Yadav, Anil Kumar, Virendra Kumar , Jerzy Winczek	Evaluation of Physical, Mechanical, and Wear Properties of Jatropha Shell Powder Reinforced Epoxy Glass Fiber Composites	Journal of Natural Fibers	Taylor & Francis	27-Mar-22	1544-0478	SCIE	https://doi.org/10.1080/15440478.2022.2054892
3	Shashi Prakash Dwivedi, Praveen Pachauri , Manish Maurya, Ambuj Saxena, Ravi Butola, Rohit Sahu and Shubham Sharma	Alumina catalyst waste utilization for aluminum-based composites using the friction stir process	Materials Testing	De Gruyter	07-Apr-22	2195-8572	SCIE	https://doi.org/10.1515/mt-2021-2074
4	Virendra Kumar , Anil Kumar, Surendra Kumar Yadav, Anshul Yadav, Lalta Prasad, Jerzy Adam Winczek	Numerical Analysis on a Constant Rate of Kinetic Energy Change Based a Two-Stage Ejector-Diffuser System	Strojniški vestnik - Journal of Mechanical Engineering	University of Ljubljana	May-22	0039-2480	SCIE	https://doi.org/10.5545/sv-jme.2021.7538
5	Partha Pratim Das, Ankit Manral , Furkan Ahmad, Bhasha Sharma, Vijay Chaudhary, Sumit Gupta, Pallav Gupta	Environmentally sustainable chemical treatment of plant fibers for improved performance of polymeric composites	Polymer Composites	Wiley	17-Jun-22	1548-0569	SCI	https://doi.org/10.1002/pc.26779

Research Publications (International Journal)

Academic Year (2020-21)

S. No.	Name of the Author(s)	Title of the Paper	Name of the Journal	Name of Publisher	Date, Month and Year of Publication	ISSN	Type of Publication (SCI, SCOPUS, WOS, UGC Care and Others)	DOI/Online Link/ URL of Paper
1	Vyom Rajan Singh, Chandan Kumar	Drone to Collect and Clean Debris from Canals and Rivers	International Journal of Engineering Research and Technology	IJERT	14-Jul-20	2278-0181	Other	https://doi.org/10.17577/IJERTV9IS070186
2	Sanjay Kumar, Ashish Kumar Srivastava, Rakesh Kumar Singh	Fabrication of AA7075 Hybrid Green Metal Matrix Composites by Friction Stir Processing Technique	Annales de Chimie: Science des Materiaux	IIETA	30-Sep-20	1958-5934	ESCI	http://dx.doi.org/10.18280/acsm.440409
3	Pankaj Kumar, Vivek Kumar, Manoj Kumar, Chandan Kumar, Anupama	Mathematical Calculation of Ground Potential Rise in Power Station	Advances in Mathematics: Scientific Journal	Union of Researchers of Macedonia	Sep-20	1857-8365	Scopus	https://doi.org/10.37418/amsj.9.10.20
4	Pankaj Kumar, Vivek Kumar, Manoj Kumar, Suvir Kumar, Chandan Kumar, Anupama	Mathematical Calculation of Voltage Hazard in Power Station	Advances in Mathematics: Scientific Journal	Union of Researchers of Macedonia	Sep-20	1857-8365	Scopus	https://doi.org/10.37418/amsj.9.10.23
5	Pankaj Kumar, Md Irshad Alam, Suvir Kumar, Vivek Kumar, Chandan Kumar, Dinesh Kumar Verma	Calculation and Simulation of Voltage Hazard in Combined Cycle Power Station	Advances in Mathematics: Scientific Journal	Union of Researchers of Macedonia	Sep-20	1857-8365	Scopus	https://doi.org/10.37418/amsj.9.10.28
6	Ashish Kumar Srivastava, Akash Dubey, Manish Kumar, Shashi Prakash Dwivedi, Rabesh Kumar Singh, Sanjay Kumar	Measurement of Form Errors and Comparative Cost Analysis for the Component Developed by Metal Printing (DMLS) and Stir Casting	Instrumentation Mesure Métrologie	IIETA	15-Nov-20	1631-4670	Scopus	https://doi.org/10.18280/i2m.190506

Research Publications (International Conference)

Academic Year (2023-24)

S. No.	Name of the Author(s)	Title of the Paper	Name of the Conference	Venue	Date, Month and Year of Conference Held	Name of Journal/ Conference Proceeding	Name of Publisher	Date, Month and Year of Publication	ISSN/ ISBN	Type of Publication (SCI, SCOPUS, WOS, UGC Care and Others)	DOI/Online Link/URL of Paper
1	Virendra Kumar, S. K. Yadav, Ashu Yadav, Anant Prakash Agrawal , Anil Kumar	Performance Analysis on the Variable Area Single- and Two-Stage Ejector System at Different Operating Pressures Using Computational Techniques	3rd Biennial International Conference on Future Learning Aspects of Mechanical Engineering (FLAME-2022)	Amity University, Noida, India	3-5 August, 2022	Advances in Fluid and Thermal Engineering, Lecture notes in mechanical engineering	Springer	12-Jul-23	978-981-99-2381-6	Scopus	https://doi.org/10.1007/978-981-99-2382-3_50
2	Rahul Nagar, Anant Prakash Agrawal , Ajay Kumar	Importance of an Effective Heat Treatment Process for Improved Performance of Manganese Steel Cone Liners in Mining Segment	International Conference on Advances and Creations in Mechanical Engineering (ICACME-2022)	RREC, Loni, India	20-22 December, 2022	Materials Engineering Research	Materials Explore	02-Oct-23	978-81-956233-1-0	Other	https://doi.org/10.59196/tric.mex/978-81-956233-1-0_2
3	Rahul Nagar, Anant Prakash Agrawal , Ajay Kumar, Shyam Lal	Critical Analysis of Manufacturing of Manganese Steel Liners Used in Crushing and Mining Sector for Improved Performance	3rd Biennial International Conference on Future Learning Aspects of Mechanical Engineering (FLAME-2022)	Amity University, Noida, India	3-5 August, 2022	Advances in Engineering Materials, Lecture notes in mechanical engineering	Springer	19-Oct-23	978-981-99-4758-4	Scopus	https://doi.org/10.1007/978-981-99-4758-4_25

4	Anant Prakash Agrawal, Krishna Reddy BN, Ashwini Malviya	A Use of DL Method with the 5G Integration for Image Analysis which is in Underwater with Aerial Vehicle kind of Networks	2024 1st International Conference on Innovative Sustainable Technologies for Energy, Mechatronics, and Smart Systems (ISTEMS)	Graphic Era University, Dehradun	26-27 April, 2024	International Conference on Innovative Sustainable Technologies for Energy, Mechatronics, and Smart Systems (ISTEMS)	Institute of Electrical and Electronics Engineers (IEEE)	26-Apr-24	979-8-3503-8424-6	Scopus	https://doi.org/10.1109/ISTEMS60181.2024.10560077
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Research Publications (International Conference)

Academic Year (2022-23)

S. No.	Name of the Author(s)	Title of the Paper	Name of the Conference	Venue	Date, Month and Year of Conference Held	Name of Journal/ Conference Proceeding	Name of Publisher	Date, Month and Year of Publication	ISSN/ ISBN	Type of Publication (SCI, SCOPUS, WOS, UGC Care and Others)	DOI/Online Link/URL of Paper
1	Anil Kumar Mishra, Sanjay Kumar, Rakesh Kumar Singh, Ankit Sharma	A Study on the Fabrication of Metal Matrix Composite Fabricated by Friction Stir Additive Manufacturing (FSAM)	1st International Conference on Sustainable Materials, Manufacturing & Energy Technologies (SMMET 2022)	RKGIT, Ghaziabad, India	24-25 June, 2022	Proceedings of the Advancement in Electronics & Communication Engineering 2022		27-Jul-22	-	Other	https://dx.doi.org/10.2139/ssrn.4159629
2	Ojasvi Sharma, Prateek Gupta, Tarun Kumar	Fabrication and Characterisation of AA6063-T6/SiC/Waste Bone Powder Using Electromagnetic Stir Casting	2nd International Conference on Materials Science and Engineering (ICMSE-2022)	NIT, Jalandhar, India	11-12 June, 2022	IOP Conference Series: Materials Science and Engineering	IOP Publication	01-Aug-22	1757-8981	Scopus	https://doi.org/10.1088/1757-899X/1248/1/012076
3	Ankit Sharma, Shyam Lal Verma, Shahazad Ali	Fabrication and Characterization of Al 6063/TiO ₂ /B ₄ C Hybrid Composite by the Electromagnetic Stir Casting Processes	1st International Conference on Sustainable Materials, Manufacturing & Energy Technologies (SMMET 2022)	RKGIT, Ghaziabad, India	24-25 June, 2022	Proceedings of the Advancement in Electronics & Communication Engineering 2022		17-Aug-22	-	Other	https://dx.doi.org/10.2139/ssrn.4186516
4	Ojasvi Sharma, Prateek Gupta, Tarun Kumar	Characterization of AA6063-T6/SiC/Walnut shell powder hybrid composite fabricated by electromagnetic stir-casting process with vacuum	International Conference on Additive Manufacturing and Allied Technologies (ICAMAT-2022)	NIT, Tiruchirappalli, India	10-11 June, 2022	Materials Today Proceedings	Elsevier	08-Nov-22	2214-7853	Scopus	https://doi.org/10.1016/j.matpr.2022.10.247

5	Ratnesh Verma, Abdhes Kumar, Pulkit Shrivastava, Ankit Sharma	Fabrication and characterization of metal matrix composite by Friction Stir Additive Manufacturing (FSAM): A Review	International Conference on Science, Engineering and Technology	RK University, Rajkot, India	18-19 November, 2022	ICSET 2022 Conference Proceedings		Dec-22	978-81-959326-0-3	Other	
6	Arshad Jamal, Swastik Soni, Shailendra Kumar Verma, Praveen Pachauri	Mechanical behavior of aluminium based stir casted composite materials utilizing petroleum waste, ceramic powder and metal powder as the reinforcement	3rd Biennial International Conference on Future Learning Aspects of Mechanical Engineering (FLAME-2022)	Amity University, Noida, India	3-5 August, 2022	Materials Today Proceedings	Elsevier	24-Jan-23	2214-7853	Scopus	https://doi.org/10.1016/j.matpr.2023.01.132
7	Shambhu Pandit, Anant Prakash Agrawal, Parveen Pachauri, Virendra Kumar, Surendra Kumar Yadav	Design of CRMC non-adiabatic supersonic nozzle with frictional effect	2022 Fourth International Conference on Recent Advances in Materials and Manufacturing (ICRAMM-2022)	VCET, Thindal, India	8-9 December, 2022	Materials Today Proceedings	Elsevier	09-Mar-23	2214-7853	Scopus	https://doi.org/10.1016/j.matpr.2023.02.428

Research Publications (International Conference)

Academic Year (2021-22)

S. No.	Name of the Author(s)	Title of the Paper	Name of the Conference	Venue	Date, Month and Year of Conference Held	Name of Journal/Conference Proceeding	Name of Publisher	Date, Month and Year of Publication	ISSN/ ISBN	Type of Publication (SCI, SCOPUS, WOS, UGC Care and Others)	DOI/Online Link/URL of Paper
1	Rakesh Kumar Singh, Ashish Kumar Srivastava, Dheerendra Kumar Singh	Microstructural and X-ray Diffraction Analysis of Surface Composite AZ31b/MgO/B4C Produced by Friction Stir Processing	3rd International Conference on Computational and Experimental Methods in Mechanical Engineering (ICCEMME-2021)	GLBITM, Greater Noida, India	11-13 February, 2021	Recent Trends in Industrial and Production Engineering, Lecture notes in mechanical engineering	Springer	07-Aug-21	978-981-16-3329-4	Scopus	https://doi.org/10.1007/978-981-16-3330-0_3
2	Rishabh Dwivedi, Rakesh Kumar Singh, Ashish Kumar Srivastava, Anshu Anand, Sanjay Kumar, Anurag Pal	Statistical Optimization of Process Parameters During the Friction Stir Processing of Al7075/Al2O3/waste Eggshell Surface Composite	3rd International Conference on Computational and Experimental Methods in Mechanical Engineering (ICCEMME-2021)	GLBITM, Greater Noida, India	11-13 February, 2021	Recent Trends in Industrial and Production Engineering, Lecture notes in mechanical engineering	Springer	07-Aug-21	978-981-16-3329-4	Scopus	https://doi.org/10.1007/978-981-16-3330-0_9
3	Sachin Patel, Prateek Gupta, Shyam Lal Verma	Optimization of hybrid composites 7075 Al fabricated by friction stir processing using Taguchi's philosophy	2nd International Conference on Functional Materials, Manufacturing and Performances (ICFMMP-2021)	LPU, Phagwara, India	17-18 September, 2021	Materials Today Proceedings	Elsevier	10-Sep-21	2214-7853	Scopus	https://doi.org/10.1016/j.matpr.2021.10.225
4	Mudit Tyagi, Prateek Gupta, Rakesh Kumar Singh	Optimization of material removal rate of tempered glass by using electrochemical spark machining	International Conference on Advances in Material Science and Chemistry (ICAMSC 2020)	ASAS, Kochi, India	10-12 August, 2020	Materials Today Proceedings	Elsevier	31-Oct-21	2214-7853	Scopus	https://doi.org/10.1016/j.matpr.2021.10.103

5	Uma Sharma, Naseem Ahamad, Shahazad Ali , Satish Kumar, Pallav Gupta	Performing a comparative study of mechanical properties of Al-Cu composite reinforced with or without bimetallic SiC micro-particle	3rd International Conference on Smart and Sustainable Developments in Materials, Manufacturing and Energy Engineering (SME 2021)	NMAMIT, Nitte, Karnataka, India	19-21 November, 2021	Materials Today Proceedings	Elsevier	09-Dec-21	2214-7853	Scopus	https://doi.org/10.1016/j.matpr.2021.11.382
6	Satish Kumar, Naseem Ahamad, Shahazad Ali , Uma Sharma, Pallav Gupta	Investigation of the influence of bimetallic micro SiC particles reinforced in FSW of Al6061-Al7075 composite	3rd International Conference on Smart and Sustainable Developments in Materials, Manufacturing and Energy Engineering (SME 2021)	NMAMIT, Nitte, Karnataka, India	19-21 November, 2021	Materials Today Proceedings	Elsevier	11-Jan-22	2214-7853	Scopus	https://doi.org/10.1016/j.matpr.2021.11.433
7	Parinishtha Surya, Praveen Pachauri , Ansh Pachauri, Prateek Chaturvedi, Suman Avdhes Yadav, Divya Singh	Virtualization Risks and associated Issues in Cloud Environment	International Conference on Technological Advancements and Innovations (ICTAI 2021)	Tashkent, Uzbekistan	10-12 November, 2021		Institute of Electrical and Electronics Engineers	14-Jan-22	978-1-6654-2087-7	Other	https://doi.org/10.1109/ICTAI53825.2021.9673424
8	Avyansh Gupta, Ansh Pachauri, Praveen Pachauri , S Vikram Singh, Prateek Chaturvedi, Smita Sharma	A review on conglomeration of Technologies for Smart Cities	International Conference on Technological Advancements and Innovations (ICTAI 2021)	Tashkent, Uzbekistan	10-12 November, 2021		Institute of Electrical and Electronics Engineers	14-Jan-22	978-1-6654-2087-7	Other	https://doi.org/10.1109/ICTAI53825.2021.9673458
9	Ankit Rawat, Ankit Kumar, Anant Prakash Agrawal	Investigation of mechanical properties of heat-treated A356/SiC	International Conference on Advances in Materials and	AKGEC, Ghaziabad, India	18-19 February, 2022	Materials Today Proceedings	Elsevier	12-Mar-22	2214-7853	Scopus	https://doi.org/10.1016/j.matpr.2022.02.618

		composite fabricated through stir casting technique	Mechanical Engineering (ICAMME-2022)								
10	Shahazad Ali, Anant Prakash Agrawal, Naseem Ahmad, Tribhuvan Singh, Atif Wahid	Robotic MIG welding process parameter optimization of steel EN24T	International Conference on Advances in Materials and Mechanical Engineering (ICAMME-2022)	AKGEC, Ghaziabad, India	18-19 February, 2022	Materials Today Proceedings	Elsevier	15-Mar-22	2214-7853	Scopus	https://doi.org/10.1016/j.matpr.2022.03.091
11	Sashikant Awasthi, Prateek Gupta, Praveen Pachuri, Mudit Tyagi	Optimization of magnesium ZK60A/SiC/B4C hybrid composite fabricated by friction stir processing	International Conference on Advances in Materials and Mechanical Engineering (ICAMME-2022)	AKGEC, Ghaziabad, India	18-19 February, 2022	Materials Today Proceedings	Elsevier	19-Mar-22	2214-7853	Scopus	https://doi.org/10.1016/j.matpr.2022.02.616
12	Shyam Lal Sharma, Anant Prakash Agrawal, Chandan Kumar	Design and fabrication of three direction dumping mechanism in trucks	Innovative Technologies in Mechanical Engineering (ITME-2021)	KIET, Ghaziabad, India	17-18 December, 2021	Materials Today Proceedings	Elsevier	31-Mar-22	2214-7853	Scopus	https://doi.org/10.1016/j.matpr.2022.03.406
13	Anant Prakash Agrawal, Shahazad Ali, Sachin Rathore	Finite element stress analysis for shape optimization of spur gear using ANSYS	Innovative Technologies in Mechanical Engineering (ITME-2021)	KIET, Ghaziabad, India	17-18 December, 2021	Materials Today Proceedings	Elsevier	02-Apr-22	2214-7853	Scopus	https://doi.org/10.1016/j.matpr.2022.03.404
14	Sachin Rathore, KLA Khan, Anant Prakash Agrawal, Rupesh Chalisgaonkar, Ratnesh Kr Raj Singh, Malay Katiyar	Modelling of Indian vendors posture using rapid upper limb assessment (RULA)	Innovative Technologies in Mechanical Engineering (ITME-2021)	KIET, Ghaziabad, India	17-18 December, 2021	Materials Today Proceedings	Elsevier	20-Apr-22	2214-7853	Scopus	https://doi.org/10.1016/j.matpr.2022.03.712
15	Swastik Soni, Shyamlal Verma	Double shear performance of the hybrid aluminium	3rd International Conference on Processing and	NIT, Rourkela, India	7-8 December, 2021	Materials Today Proceedings	Elsevier	04-May-22	2214-7853	Scopus	https://doi.org/10.1016/j.matpr.2022.04.639

		metal matrix composite Al6063-SiC/Al ₂ O ₃ fabricated through electromagnetic stir casting process	Characterization of Materials (ICPCM-2021)								
16	Shailendra Kumar Verma, Vijay Kumar Dwivedi, Shashi Prakash Dwivedi	Utilization of Reinforced Palm Fibers Used for Composite Materials—A Review	2nd International Conference in Mechanical and Energy Technology (ICMET-2021)	GCET, Greater Noida, India	28-29 October, 2021	Advances in Mechanical and Energy Technology, Lecture notes in mechanical engineering	Springer	21-Jun-22	978-981-19-1617-5	Scopus	https://doi.org/10.1007/978-981-19-1618-2_18
17	Mohammad Arshad Jamal, Praveen Pachauri, Shailendra Kumar Verma	A Review and Emphasis on the Relevance of the Aluminum Based Hybrid Composite	2nd International Conference in Mechanical and Energy Technology (ICMET-2021)	GCET, Greater Noida, India	28-29 October, 2021	Advances in Mechanical and Energy Technology, Lecture notes in mechanical engineering	Springer	21-Jun-22	978-981-19-1617-5	Scopus	https://doi.org/10.1007/978-981-19-1618-2_25

Research Publications (International Conference)

Academic Year (2020-21)

S. No.	Name of the Author(s)	Title of the Paper	Name of the Conference	Venue	Date, Month and Year of Conference Held	Name of Journal/Conference Proceeding	Name of Publisher	Date, Month and Year of Publication	ISSN/ ISBN	Type of Publication (SCI, SCOPUS, WOS, UGC Care and Others)	DOI/Online Link/URL of Paper
1	Shyam Lal, Ajay kumar, Sudhir Kumar, Nitin Gupta	Characterization of A356/B4C composite fabricated by electromagnetic stir-casting process with vacuum	3rd International Conference on Science & Engineering of Materials (ICSEM 2019)	Sharda Univerity, Grater Noida, India	19-21 July, 2019	Materials Today Proceedings	Elsevier	09-Jul-20	2214-7853	Scopus	https://doi.org/10.1016/j.matpr.2020.05.830
2	Anant B. Khandkule, B. N. Tripathi, Abdhes Kumar	A Review on Crack Propagation in Disc Brake of Two-Wheeler Bike	3rd International Conference on Cutting Edge Technological Challenges in Mechanical Engineering (CETCME 2020)	NIET, Greater Noida, India	21-22 August, 2020	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering		Aug-20	978-9-35-561590-1	Other	
3	Anuj Garg, Shyam Lal Verma	Investigation of Mechanical Properties of Jute and Hemp Epoxy Polymer Composite	3rd International Conference on Cutting Edge Technological Challenges in Mechanical Engineering (CETCME 2020)	NIET, Greater Noida, India	21-22 August, 2020	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering		Aug-20	978-9-35-561590-1	Other	
4	Vineet Shekher, Pankaj Kumar, Chandan Kumar , R. K. Ranjan	A Study of Infrastructural security of SCADA	3rd International Conference on Cutting Edge Technological Challenges in Mechanical Engineering (CETCME 2020)	NIET, Greater Noida, India	21-22 August, 2020	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering		Aug-20	978-9-35-561590-1	Other	
5	Rakesh Kumar Singh , Prem	Design And Analysis Of Spur Gear Using	3rd International Conference on	NIET, Greater	21-22 August, 2020	Proceeding of the 3rd International		Aug-20	978-9-35-561590-1	Other	

	Kumar Chauhan, Paritosh Kumar, Sanjay Kumar	CREO 4.0 And Manufacturing Using Stir Casting Of Al6063 And Sic Materials	Cutting Edge Technological Challenges in Mechanical Engineering (CETCME 2020)	Noida, India		Conference On Cutting Edge Technological Challenges in Mechanical Engineering					
6	Anurag Pal, Anuj Dixit, Annant Dhawan, Vikas Kumar, Shivaji Chaudhary	Optimization Of Parameters Of Electric Discharge Machining	3rd International Conference on Cutting Edge Technological Challenges in Mechanical Engineering (CETCME 2020)	NIET, Greater Noida, India	21-22 August, 2020	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering		Aug-20	978-9-35-561590-1	Other	
7	Anurag Pal, Anuj Dixit, Annant Dhawan, Pushpendra Upadhyay, Shivaji Chaudhary	Process Parameters Optimization On CNC Lathe Machine	3rd International Conference on Cutting Edge Technological Challenges in Mechanical Engineering (CETCME 2020)	NIET, Greater Noida, India	21-22 August, 2020	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering		Aug-20	978-9-35-561590-1	Other	
8	Sushil Kumar, Shyam Lal Sharma	Passive Viscoelastic Constrained Layer Damping For Butyl Rubber (Viscoelastic Materials)	3rd International Conference on Cutting Edge Technological Challenges in Mechanical Engineering (CETCME 2020)	NIET, Greater Noida, India	21-22 August, 2020	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering		Aug-20	978-9-35-561590-1	Other	
9	Pulkit Srivastava	Study Of Ergonomic Aspects In Human-Computer Interaction	3rd International Conference on Cutting Edge Technological Challenges in Mechanical Engineering (CETCME 2020)	NIET, Greater Noida, India	21-22 August, 2020	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering		Aug-20	978-9-35-561590-1	Other	
10	Pulkit Srivastava	Study Of Defects In Production Of High	3rd International Conference on Cutting Edge	NIET, Greater	21-22 August, 2020	Proceeding of the 3rd International Conference On		Aug-20	978-9-35-561590-1	Other	

		Chromium Cast Iron Grinding Media Balls	Technological Challenges in Mechanical Engineering (CETCME 2020)	Noida, India		Cutting Edge Technological Challenges in Mechanical Engineering					
11	Raj Kumar, Sabin Kumar Mishra, Chandan Kumar	Dimensional Analysis of Infill Pattern In FDM 3D Printing	3rd International Conference on Cutting Edge Technological Challenges in Mechanical Engineering (CETCME 2020)	NIET, Greater Noida, India	21-22 August, 2020	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering		Aug-20	978-9-35-561590-1	Other	
12	Raj Kumar, Gajendra Singh, Sanjeev Kumar	A Review Paper On "Multi-Jet Fusion (MJF)" Additive Manufacturing Technology Vs. "Selective Laser Sintering (SLS)" Additive Manufacturing Technology for Polymer	3rd International Conference on Cutting Edge Technological Challenges in Mechanical Engineering (CETCME 2020)	NIET, Greater Noida, India	21-22 August, 2020	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering		Aug-20	978-9-35-561590-1	Other	
13	Abdhesh Kumar, Manish Maurya, Nagendra Kumar Maurya	A Survey on Recent Development in Friction Stir Processed Aluminum Metal Matrix Composites	3rd International Conference on Cutting Edge Technological Challenges in Mechanical Engineering (CETCME 2020)	NIET, Greater Noida, India	21-22 August, 2020	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering		Aug-20	978-9-35-561590-1	Other	
14	Shailendra Kumar Verma, Hitesh Sharma, Rahul Singh, Sachin Pal, Shubash Kumar	Design And Fabrication Of Manual Crop Harvesting Machine	3rd International Conference on Cutting Edge Technological Challenges in Mechanical Engineering (CETCME 2020)	NIET, Greater Noida, India	21-22 August, 2020	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering		Aug-20	978-9-35-561590-1	Other	

15	Ajeet Singh, Anant Prakash Agrawal, Shahazad Ali	Characterization of Mechanical Properties of Low Carbon Steel Using Heat Treatment Processes	3rd International Conference on Cutting Edge Technological Challenges in Mechanical Engineering (CETCME 2020)	NIET, Greater Noida, India	21-22 August, 2020	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering		Aug-20	978-9-35-561590-1	Other	
16	Shahazad Ali, Ajeet Singh, Anant Prakash Agrawal	Optimization Of Robot Mig Welding Process Parameter For Mild Steel Plates	3rd International Conference on Cutting Edge Technological Challenges in Mechanical Engineering (CETCME 2020)	NIET, Greater Noida, India	21-22 August, 2020	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering		Aug-20	978-9-35-561590-1	Other	
17	Ayush Jain, Raman Kumar, Praveen Mishra	Industrial Application of Solar Water Heater in Dairy Farming	3rd International Conference on Cutting Edge Technological Challenges in Mechanical Engineering (CETCME 2020)	NIET, Greater Noida, India	21-22 August, 2020	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering		Aug-20	978-9-35-561590-1	Other	
18	H J Singh, A K Chhonker, Harshad Verma, Paras Bhangel, Shyamial Verma	Study On Effect Of Alkali And Silane Treatment On Properties Of Natural Fiber Reinforced Polymer Composites	3rd International Conference on Cutting Edge Technological Challenges in Mechanical Engineering (CETCME 2020)	NIET, Greater Noida, India	21-22 August, 2020	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering		Aug-20	978-9-35-561590-1	Other	
19	Prateek Gupta, Sudhir Kumar, Hari Singh	Investigation of A356 Alloy Joints Fabricated Using Underwater Friction Stir Welding	3rd International Conference on Cutting Edge Technological Challenges in Mechanical Engineering (CETCME 2020)	NIET, Greater Noida, India	21-22 August, 2020	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering		Aug-20	978-9-35-561590-1	Other	

20	Prateek Gupta, Sudhir Kumar, Hari Singh	Investigation of MS-Brass Joint Fabricated using Household Microwave Oven	3rd International Conference on Cutting Edge Technological Challenges in Mechanical Engineering (CETCME 2020)	NIET, Greater Noida, India	21-22 August, 2020	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering		Aug-20	978-9-35-561590-1	Other	
21	Vidyut Prakash, Raja Singh, Utkarsh Sharma, Ashish Rathore, Shivaji Chaudhary	Compatibility And Employment Of Friction Stir Welding And Processes: A Review	3rd International Conference on Cutting Edge Technological Challenges in Mechanical Engineering (CETCME 2020)	NIET, Greater Noida, India	21-22 August, 2020	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering		Aug-20	978-9-35-561590-1	Other	
22	Pulkit Srivastava, Abhishek Kumar Dubey, Abhishek Kumar Mishra, Ajit Kumar Jha	Analytical and Experimental Study of Polymer Matrix Composite	3rd International Conference on Cutting Edge Technological Challenges in Mechanical Engineering (CETCME 2020)	NIET, Greater Noida, India	21-22 August, 2020	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering		Aug-20	978-9-35-561590-1	Other	
23	Javed Ali, Abhishek Kumar, Abdresh Kumar	Recent developments in metal matrix composites by stir casting: An overview	3rd International Conference on Cutting Edge Technological Challenges in Mechanical Engineering (CETCME 2020)	NIET, Greater Noida, India	21-22 August, 2020	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering		Aug-20	978-9-35-561590-1	Other	
24	Atul Ranjan, Anupama, Chandan Kumar, Arvind Kr. Amar	Optimization Of Process Parameters In Hard Turning Of Tool Steel Using CBN Tool	3rd International Conference on Cutting Edge Technological Challenges in Mechanical Engineering (CETCME 2020)	NIET, Greater Noida, India	21-22 August, 2020	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering		Aug-20	978-9-35-561590-1	Other	

25	Amit Saini, Aman Garg, Dinesh Kishnani, Vikas Kumar	Design and Fabrication of Pneumatic Braking System by Utilizing Exhaust Gases	3rd International Conference on Cutting Edge Technological Challenges in Mechanical Engineering (CETCME 2020)	NIET, Greater Noida, India	21-22 August, 2020	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering		Aug-20	978-9-35- 561590-1	Other	
26	Vyom Ranjan, Anupama, Chandan Kumar , Pankaj Kumar	Development Of Drone To Collect And Clean Debris From Canals And Rivers	3rd International Conference on Cutting Edge Technological Challenges in Mechanical Engineering (CETCME 2020)	NIET, Greater Noida, India	21-22 August, 2020	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering		Aug-20	978-9-35- 561590-1	Other	
27	J. Durai, R.Saravana Kumar	Internet of Things in Manufacturing	3rd International Conference on Cutting Edge Technological Challenges in Mechanical Engineering (CETCME 2020)	NIET, Greater Noida, India	21-22 August, 2020	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering		Aug-20	978-9-35- 561590-1	Other	
28	Vishwa Vipul Raunak, Shivaji Chaudhary	Solid Waste Disposal By Incineration With Electricity Generation Without Emission Of Toxic Gases	3rd International Conference on Cutting Edge Technological Challenges in Mechanical Engineering (CETCME 2020)	NIET, Greater Noida, India	21-22 August, 2020	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering		Aug-20	978-9-35- 561590-1	Other	
29	Bhagirath Mahato, Dushyant Tiwary, Shubham Singh, MD. Dastagir, Shivaji Chaudhary	Comparative Analysis Of Different Mechanical Properties Of Aluminium Alloy	3rd International Conference on Cutting Edge Technological Challenges in Mechanical Engineering (CETCME 2020)	NIET, Greater Noida, India	21-22 August, 2020	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering		Aug-20	978-9-35- 561590-1	Other	

30	Aditya Devol, Shailendra Chaurasia	EEG Based Control Of Systems	3rd International Conference on Cutting Edge Technological Challenges in Mechanical Engineering (CETCME 2020)	NIET, Greater Noida, India	21-22 August, 2020	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering		Aug-20	978-9-35- 561590-1	Other	
31	Anant Prakash Agrawal, Shahazad Ali, Ajeet Singh	Design and Analysis of Flywheel for a Bicycle using KERS	3rd International Conference on Cutting Edge Technological Challenges in Mechanical Engineering (CETCME 2020)	NIET, Greater Noida, India	21-22 August, 2020	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering		Aug-20	978-9-35- 561590-1	Other	
32	Awanish kumar singh, Ashutosh Gupta, Rakesh Kumar Singh, Sanjay Kumar	Fabrication Of Green Surface Composite Using FSP	3rd International Conference on Cutting Edge Technological Challenges in Mechanical Engineering (CETCME 2020)	NIET, Greater Noida, India	21-22 August, 2020	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering		Aug-20	978-9-35- 561590-1	Other	
33	Amir Sohail, Rakesh Kumar singh, Arun Kumar, Abdul Faheem, Sanjay Kumar, Abhishek Shukla	Friction Stir Processing Of Aluminium 7075 Alloy	3rd International Conference on Cutting Edge Technological Challenges in Mechanical Engineering (CETCME 2020)	NIET, Greater Noida, India	21-22 August, 2020	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering		Aug-20	978-9-35- 561590-1	Other	
34	Abheeshu Singh, Durgesh Kumar, Vaibhav Sharma, Shyam Lal Verma	Green Sustainable Bricks Made of Fly Ash and Discarded Polyethylene Waste	3rd International Conference on Cutting Edge Technological Challenges in Mechanical Engineering (CETCME 2020)	NIET, Greater Noida, India	21-22 August, 2020	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering		Aug-20	978-9-35- 561590-1	Other	

35	Prateek Gupta , Swantantra Singh, Tanya Gupta	Automatic Pneumatic Paper Cup Making Machine: An Overview	3rd International Conference on Cutting Edge Technological Challenges in Mechanical Engineering (CETCME 2020)	NIET, Greater Noida, India	21-22 August, 2020	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering		Aug-20	978-9-35- 561590-1	Other	
36	Mudit Tyagi, Swastik Soni, Shyam Lal Verma	A Review On Development Of Chassis Material Of Cars	3rd International Conference on Cutting Edge Technological Challenges in Mechanical Engineering (CETCME 2020)	NIET, Greater Noida, India	21-22 August, 2020	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering		Aug-20	978-9-35- 561590-1	Other	
37	Shyam Lal , Sud hir Kumar, Ajay Kumar, Lalman Patel, Aniruddh a	Fabrication and characterization of hybrid metal matrix composite Al- 2014/SiC/fly ash fabricated using stir casting process	National Conference on Functional Materials: Emerging Technologies and applications in material science (NCFM-2020)	Sharda Univerit y, Grater Noida, India	25-26 July, 2020	Materials Today Proceedings	Elsevier	26-Dec-20	2214- 7853	Scopus	https://doi.org/10.1016/j.matpr.2020.11.168
38	Shailendra Kumar Verma , Vijay Kumar Dwivedi, Shashi Prakash Dwivedi	Utilization of aluminium dross for the development of valuable product – A review	1st International Conference on Energy, Materials Sciences & Mechanical Engineering (EMSME-2020)	NIT, Delhi, India	31 October-1 November, 2020	Materials Today Proceedings	Elsevier	20-Jan-21	2214- 7853	Scopus	https://doi.org/10.1016/j.matpr.2020.12.045
39	Rishabh Dwivedi, Rakesh Kumar Singh, Sanjay Kumar , Ashish Kumar Srivastava	Parametric optimization of process parameters during the friction stir processing of Al7075/SiC/waste eggshell surface composite	3rd International Conference on Computational and Experimental Methods in Mechanical Engineering (ICEMME-2021)	GLBITM, Greater Noida, India	11-13 February, 2021	Materials Today Proceedings	Elsevier	11-Apr-21	2214- 7853	Scopus	https://doi.org/10.1016/j.matpr.2021.03.545

40	Anurag Pal, Anuj Dixit, Ashish Kumar Srivastava	Design and optimization of the shape of electrostatic precipitator system	3rd International Conference on Computational and Experimental Methods in Mechanical Engineering (ICEMME-2021)	GLBITM, Greater Noida, India	11-13 February, 2021	Materials Today Proceedings	Elsevier	18-Apr-21	2214-7853	Scopus	https://doi.org/10.1016/j.matpr.2021.03.448
41	Prateek Gupta, Vikas Kumar, Shivaji Chaudhary, Sudhir Kumar, Jitendra Kumar Singh, Pankaj Kumar Chauhan	Investigation and characterization of microwave processed joint of MS1020	3rd International Conference on Computational and Experimental Methods in Mechanical Engineering (ICEMME-2021)	GLBITM, Greater Noida, India	11-13 February, 2021	Materials Today Proceedings	Elsevier	20-Apr-21	2214-7853	Scopus	https://doi.org/10.1016/j.matpr.2021.03.523
42	Prateek Gupta, Shivaji Chaudhary, Vikas Kumar, Sudhir Kumar, Rohit Sahu	Investigation and characterization of brass joint fabricated by microwave hybrid heating process	3rd International Conference on Computational and Experimental Methods in Mechanical Engineering (ICEMME-2021)	GLBITM, Greater Noida, India	11-13 February, 2021	Materials Today Proceedings	Elsevier	04-May-21	2214-7853	Scopus	https://doi.org/10.1016/j.matpr.2021.04.054
43	Karan, Praveen Pachauri, Abdhesh Kumar, Manish Maurya	Effect of powder metallurgy on high entropy alloy materials: A review	3rd International Conference on Computational and Experimental Methods in Mechanical Engineering (ICEMME-2021)	GLBITM, Greater Noida, India	11-13 February, 2021	Materials Today Proceedings	Elsevier	18-May-21	2214-7853	Scopus	https://doi.org/10.1016/j.matpr.2021.04.529
44	Prateek Chaturvedi, Praveen Pachauri, Ruchira Srivastava, Ayushi Thakur	Hazard Warning & Turn Signal Indication Technologies and Acquisition in Automotive Sector	International Conference on Intelligent Engineering and Management (ICIEM 2021)	London, United Kingdom	28-30 April, 2021		Institute of Electrical and Electronics Engineers	04-Jun-21	978-1-6654-1450-0	Other	https://doi.org/10.1109/ICIEM51511.2021.9445299

45	Shailendra Kumar Verma, Vijay Kumar Dwivedi, Shashi Prakash Dwivedi	Utilization of waste spent alumina catalyst for the development of valuable product – A review	3rd International Conference on Computational and Experimental Methods in Mechanical Engineering (ICEMME-2021)	GLBITM, Greater Noida, India	11-13 February, 2021	Materials Today Proceedings	Elsevier	22-Jun-21	2214-7853	Scopus	https://doi.org/10.1016/j.matpr.2021.06.146
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Research Publications (Book Chapters)

Academic Year (2023-24)

S. No.	Name of the Author(s)	Title of the Book/Conference Proceeding	Title of the Chapter Published	Name of the Publisher	Date, Month and Year of Publication	ISBN of the Book/Conference Proceeding	Type of Publication (SCI, SCOPUS, WOS, UGC Care and Others)	Page Number of Book/ Book Chapter	DOI/Online Link/URL of Book/Book Chapter
1	Virendra Kumar, S. K. Yadav, Ashu Yadav, Anant Prakash Agrawal , Anil Kumar	Advances in Fluid and Thermal Engineering, Lecture notes in mechanical engineering	Performance Analysis on the Variable Area Single- and Two-Stage Ejector System at Different Operating Pressures Using Computational Techniques	Springer	12-Jul-23	978-981-99-2381-6	Scopus	601-610	https://doi.org/10.1007/978-981-99-2382-3_50
2	Rahul Nagar, Anant Prakash Agrawal , Ajay Kumar	Materials Engineering Research	Importance of an Effective Heat Treatment Process for Improved Performance of Manganese Steel Cone Liners in Mining Segment	Materials Explore	02-Oct-23	978-81-956233-1-0	Other	35-52	https://doi.org/10.59196/tric.mex/978-81-956233-1-0_2
3	Rahul Nagar, Anant Prakash Agrawal , Ajay Kumar, Shyam Lal	Advances in Engineering Materials, Lecture notes in mechanical engineering	Critical Analysis of Manufacturing of Manganese Steel Liners Used in Crushing and Mining Sector for Improved Performance	Springer	19-Oct-23	978-981-99-4758-4	Scopus	275-293	https://doi.org/10.1007/978-981-99-4758-4_25
4	Anant Prakash Agrawal , Krishna Reddy BN, Ashwini Malviya	Proceedings of 1st International Conference on Innovative Sustainable Technologies for Energy, Mechatronics, and Smart Systems (ISTEMS)	A Use of DL Method with the 5G Integration for Image Analysis which is in Underwater with Aerial Vehicle kind of Networks	Institute of Electrical and Electronics Engineers (IEEE)	26-Apr-24	979-8-3503-8424-6	Scopus	1-6	https://doi.org/10.1109/ISTEMS60181.2024.10560077

Research Publications (Book Chapters)

Academic Year (2022-23)

S. No.	Name of the Author(s)	Title of the Book/Conference Proceeding	Title of the Chapter Published	Name of the Publisher	Date, Month and Year of Publication	ISBN of the Book/Conference Proceeding	Type of Publication (SCI, SCOPUS, WOS, UGC Care and Others)	Page Number of Book/ Book Chapter	DOI/Online Link/URL of Book/Book Chapter
1	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)	Proceedings of the Advancement in Electronics & Communication Engineering 2022	27-Jul-22	-	Other	885-890	https://dx.doi.org/10.2139/ssrn.4159629
2	Ankit Sharma, Shyam Lal Verma, Shahazad Ali	Proceedings of the Advancement in Electronics & Communication Engineering 2022	Fabrication and Characterization of Al 6063/TiO ₂ /B4C Hybrid Composite by the Electromagnetic Stir Casting Processes	Proceedings of the Advancement in Electronics & Communication Engineering 2022	17-Aug-22	-	Other	1-7	https://dx.doi.org/10.2139/ssrn.4186516
3	Ratnesh Verma, Abdhesh Kumar, Pulkit Shrivastava, Ankit Sharma	ICSET 2022 Conference Proceedings	Fabrication and characterization of metal matrix composite by Friction Stir Additive Manufacturing (FSAM): A Review	ICSET 2022 Conference Proceedings	Dec-22	978-81-959326-0-3	Other	792-809	

Research Publications (Book Chapters)

Academic Year (2021-22)

S. No.	Name of the Author(s)	Title of the Book/Conference Proceeding	Title of the Chapter Published	Name of the Publisher	Date, Month and Year of Publication	ISBN of the Book/Conference Proceeding	Type of Publication (SCI, SCOPUS, WOS, UGC Care and Others)	Page Number of Book/ Book Chapter	DOI/Online Link/URL of Book/Book Chapter
1	Rakesh Kumar Singh, Ashish Kumar Srivastava, Dheerendra Kumar Singh	Recent Trends in Industrial and Production Engineering, Lecture notes in mechanical engineering	Microstructural and X-ray Diffraction Analysis of Surface Composite AZ31b/MgO/B4C Produced by Friction Stir Processing	Springer	07-Aug-21	978-981-16-3329-4	Scopus	35-45	https://doi.org/10.1007/978-981-16-3330-0_3
2	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	Statistical Optimization of Process Parameters During the Friction Stir Processing of Al7075/Al2O3/waste Eggshell Surface Composite	Springer	07-Aug-21	978-981-16-3329-4	Scopus	107-118	https://doi.org/10.1007/978-981-16-3330-0_9
3	Parinishtha Surya, Praveen Pachauri, Ansh Pachauri, Prateek Chaturvedi, Suman Avdhesh Yadav, Divya Singh	Proceeding of the International Conference on Technological Advancements and Innovations	Virtualization Risks and associated Issues in Cloud Environment	Institute of Electrical and Electronics Engineers	14-Jan-22	978-1-6654-2087-7	Other	521-525	https://doi.org/10.1109/ICTAIS53825.2021.9673424
4	Avyansh Gupta, Ansh Pachauri, Praveen Pachauri, S Vikram Singh, Prateek	Proceeding of the International Conference on Technological Advancements and Innovations	A review on conglomeration of Technologies for Smart Cities	Institute of Electrical and Electronics Engineers	14-Jan-22	978-1-6654-2087-7	Other	526-530	https://doi.org/10.1109/ICTAIS53825.2021.9673458

	Chaturvedi, Smita Sharma								
5	Shailendra Kumar Verma, Vijay Kumar Dwivedi, Shashi Prakash Dwivedi	Advances in Mechanical and Energy Technology, Lecture notes in mechanical engineering	Utilization of Reinforced Palm Fibers Used for Composite Materials—A Review	Springer	21-Jun-22	978-981-19-1617-5	Scopus	187-196	https://doi.org/10.1007/978-981-19-1618-2_18
6	Mohammad Arshad Jamal, Praveen Pachauri, Shailendra Kumar Verma	Advances in Mechanical and Energy Technology, Lecture notes in mechanical engineering	A Review and Emphasis on the Relevance of the Aluminum Based Hybrid Composite	Springer	21-Jun-22	978-981-19-1617-5	Scopus	257-266	https://doi.org/10.1007/978-981-19-1618-2_25

Research Publications (Book Chapters)

Academic Year (2020-21)

S. No.	Name of the Author(s)	Title of the Book/Conference Proceeding	Title of the Chapter Published	Name of the Publisher	Date, Month and Year of Publication	ISBN of the Book/Conference Proceeding	Type of Publication (SCI, SCOPUS, WOS, UGC Care and Others)	Page Number of Book/ Book Chapter	DOI/Online Link/URL of Book/Book Chapter
1	Anant B. Khandkule, B. N. Tripathi, Abdesh kumar	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering	A Review On Crack Propagation in Disc Brake of Two Wheeler Bike	NIET Publishing	Aug-20	978-9-35-561590-1	Other	1-7	
2	Rishabh Tiwari, Sagar Tomar, Saurav Tiwari, Shashank Raj Bhardwaj	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering	Design and Fabrication of Dual Side Shaper Machine	NIET Publishing	Aug-20	978-9-35-561590-1	Other	8-12	
3	Anuj Garg, Shyam Lal Verma	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering	Investigation Of Mechanical Properties Of Jute And Hemp Epoxy Polymer Composite	NIET Publishing	Aug-20	978-9-35-561590-1	Other	13-23	
4	Vineet Shekher, Pankaj Kumar, Chandan Kumar , R. K. Ranjan	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering	A Study of Infrastructural security of SCADA	NIET Publishing	Aug-20	978-9-35-561590-1	Other	33-36	
5	Rakesh Kumar Singh , Prem Kumar Chauhan, Paritosh Kumar, Sanjay Kumar	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering	Design And Analysis Of Spur Gear Using CREO 4.0 And Manufacturing Using Stir Casting Of Al6063 And Sic Materials	NIET Publishing	Aug-20	978-9-35-561590-1	Other	51-59	
6	Anurag Pal, Anuj Dixit, Annant Dhawan, Vikas	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering	Optimization Of Parameters Of Electric Discharge Machining	NIET Publishing	Aug-20	978-9-35-561590-1	Other	60-77	

	Kumar, Shivaji Chaudhary								
7	Anurag Pal, Anuj Dixit, Annant Dhawan, Pushpendra Upadhyay, Shivaji Chaudhary	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering	Process Parameters Optimization On CNC Lathe Machine	NIET Publishing	Aug-20	978-9-35-561590-1	Other	78-88	
8	Sushil Kumar, Shyam Lal Sharma	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering	Passive Viscoelastic Constrained Layer Damping For Butyl Rubber (Viscoelastic Materials)	NIET Publishing	Aug-20	978-9-35-561590-1	Other	89-93	
9	Pulkit Srivastava	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering	Study Of Ergonomic Aspects In Human-Computer Interaction	NIET Publishing	Aug-20	978-9-35-561590-1	Other	94-97	
10	Pulkit Srivastava	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering	Study Of Defects In Production Of High Chromium Cast Iron Grinding Media Balls	NIET Publishing	Aug-20	978-9-35-561590-1	Other	98-103	
11	Raj Kumar, Sabin Kumar Mishra, Chandan Kumar	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering	Dimensional Analysis of Infill Pattern In FDM 3D Printing	NIET Publishing	Aug-20	978-9-35-561590-1	Other	104-109	
12	Raj Kumar, Gajendra Singh, Sanjeev Kumar	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering	A Review Paper On "Multi-Jet Fusion (MJF)" Additive Manufacturing Technology Vs. "Selective Laser Sintering (SLS)" Additive Manufacturing Technology for Polymer	NIET Publishing	Aug-20	978-9-35-561590-1	Other	110-112	
13	Abdhesh Kumar, Manish Maurya, Nagendra Kumar Maurya	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering	A Survey on Recent Development in Friction Stir Processed Aluminum Metal Matrix Composites	NIET Publishing	Aug-20	978-9-35-561590-1	Other	113-117	

14	Shailendra Kumar Verma, Hitesh Sharma, Rahul Singh, Sachin Pal, Shubash Kumar	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering	Design And Fabrication Of Manual Crop Harvesting Machine	NIET Publishing	Aug-20	978-9-35-561590-1	Other	118-124	
15	Ajeet Singh, Anant Prakash Agrawal, Shahazad Ali	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering	Characterization of Mechanical Properties of Low Carbon Steel Using Heat Treatment Processes	NIET Publishing	Aug-20	978-9-35-561590-1	Other	125-133	
16	Shahazad Ali, Ajeet Singh, Anant Prakash Agrawal	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering	Optimization Of Robot Mig Welding Process Parameter For Mild Steel Plates	NIET Publishing	Aug-20	978-9-35-561590-1	Other	134-142	
17	Ayush Jain, Raman Kumar, Praveen Mishra	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering	Industrial Application of Solar Water Heater in Dairy Farming	NIET Publishing	Aug-20	978-9-35-561590-1	Other	143-146	
18	H J Singh, A K Chhonker, Harshad Verma, Paras Bhangel, Shyamlal Verma	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering	Study On Effect Of Alkali And Silane Treatment On Properties Of Natural Fiber Reinforced Polymer Composites	NIET Publishing	Aug-20	978-9-35-561590-1	Other	147-154	
19	Prateek Gupta, Sudhir Kumar, Hari Singh	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering	Investigation of A356 Alloy Joints Fabricated Using Underwater Friction Stir Welding	NIET Publishing	Aug-20	978-9-35-561590-1	Other	155-164	
20	Prateek Gupta, Sudhir Kumar, Hari Singh	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering	Investigation of MS-Brass Joint Fabricated using Household Microwave Oven	NIET Publishing	Aug-20	978-9-35-561590-1	Other	165-172	
21	Vidyut Prakash, Raja Singh, Utkarsh Sharma, Ashish	Proceeding of the 3rd International Conference On Cutting Edge Technological	Compatibility And Employment Of Friction Stir Welding And Processes: A Review	NIET Publishing	Aug-20	978-9-35-561590-1	Other	182-192	

	Rathore, Shivaji Chaudhary	Challenges in Mechanical Engineering							
22	Pulkit Srivastava, Abhishek Kumar Dubey, Abhishek Kumar Mishra, Ajit Kumar Jha	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering	Analytical and Experimental Study of Polymer Matrix Composite	NIET Publishing	Aug-20	978-9-35-561590-1	Other	193-197	
23	Javed Ali, Abhishek Kumar, Abdresh Kumar	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering	Recent developments in metal matrix composites by stir casting: An overview	NIET Publishing	Aug-20	978-9-35-561590-1	Other	198-205	
24	Atul Ranjan, Anupama, Chandan Kumar, Arvind Kr. Amar	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering	Optimization Of Process Parameters In Hard Turning Of Tool Steel Using CBN Tool	NIET Publishing	Aug-20	978-9-35-561590-1	Other	206-213	
25	Amit Saini, Aman Garg, Dinesh Kishnani, Vikas Kumar	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering	Design and Fabrication of Pneumatic Braking System by Utilizing Exhaust Gases	NIET Publishing	Aug-20	978-9-35-561590-1	Other	214-221	
26	Vyom Ranjan, Anupama, Chandan kumar, Pankaj Kumar	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering	Development Of Drone To Collect And Clean Debris From Canals And Rivers	NIET Publishing	Aug-20	978-9-35-561590-1	Other	222-226	
27	J. Durai, R.Saravana kumar	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering	Internet of Things in Manufacturing	NIET Publishing	Aug-20	978-9-35-561590-1	Other	233-240	
28	Vishwa Vipul Raunak, Shivaji Chaudhary	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering	Solid Waste Disposal By Incineration With Electricity Generation Without Emission Of Toxic Gases	NIET Publishing	Aug-20	978-9-35-561590-1	Other	241-247	

29	Bhagirath Mahato, Dushyant Tiwary, Shubham Singh, MD. Dastagir, Shivaji Chaudhary	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering	Comparative Analysis Of Different Mechanical Properties Of Aluminium Alloy	NIET Publishing	Aug-20	978-9-35-561590-1	Other	248-254	
30	Aditya Devol, Shailendra Chaurasia	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering	EEG Based Control Of Systems	NIET Publishing	Aug-20	978-9-35-561590-1	Other	255-267	
31	Anant Prakash Agrawal, Shahazad Ali, Ajeet Singh	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering	Design and Analysis of Flywheel for a Bicycle using KERS	NIET Publishing	Aug-20	978-9-35-561590-1	Other	268-274	
32	Rajat Kumar, Sarthak Vaidya, Shubham Kumar, Shubham Sharma	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering	Machine Solar Based Smart Irrigation System	NIET Publishing	Aug-20	978-9-35-561590-1	Other	275-278	
33	Awanish kumar singh, Ashutosh Gupta, Rakesh Kumar Singh, Sanjay Kumar	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering	Fabrication Of Green Surface Composite Using FSP	NIET Publishing	Aug-20	978-9-35-561590-1	Other	279-285	
34	Amir Sohail, Rakesh Kumar singh, Arun Kumar, Abdul Faheem, Sanjay Kumar, Abhishek Shukla	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering	Friction Stir Processing Of Aluminium 7075 Alloy	NIET Publishing	Aug-20	978-9-35-561590-1	Other	286-291	
35	Abheeshu Singh, Durgesh Kumar, Vaibhav Sharma,	Proceeding of the 3rd International Conference On Cutting Edge Technological	Green Sustainable Bricks Made of Fly Ash and Discarded Polyethylene Waste	NIET Publishing	Aug-20	978-9-35-561590-1	Other	292-301	

	Shyamlal Verma	Challenges in Mechanical Engineering							
36	Prateek Gupta, Swantantra Singh, Tanya Gupta	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering	Automatic Pneumatic Paper Cup Making Machine: An Overview	NIET Publishing	Aug-20	978-9-35-561590-1	Other	302-304	
37	Mudit Tyagi, Swastik Soni, Shyamlal Verma	Proceeding of the 3rd International Conference On Cutting Edge Technological Challenges in Mechanical Engineering	A Review On Development Of Chassis Material Of Cars	NIET Publishing	Aug-20	978-9-35-561590-1	Other	305-309	
38	Prateek Chaturvedi, Praveen Pachauri , Ruchira Srivastava, Ayushi Thakur	Proceeding of the 2nd International Conference on Intelligent Engineering and Management	Hazard Warning & Turn Signal Indication Technologies and Acquisition in Automotive Sector	Institute of Electrical and Electronics Engineers (IEEE)	04-Jun-21	978-1-6654-1450-0	Scopus	625-630	https://doi.org/10.1109/ICIEEM51511.2021.9445299

Research Publications (Book)

Academic Year (2022-23)

S. No.	Name of the Author(s)/ Editor(s)	Department of the Author(s) /Editor(s)	Title of the Book/Conference Proceeding	Name of the Publisher	Date, Month and Year of Publication	ISBN of the Book/ Conference Proceeding	International /National	Type of Publication (SCI, SCOPUS, WOS, UGC Care and Others)	Page Number of Book/Book Chapter	Affiliating Institute of the teacher at the time of publication	DOI/Online Link/URL of Book/Book Chapter
1	Shubham Pal, Anant Prakash Agrawal, Dr. Suantak Kamsonlian, Saurabh Yadav	Mechanical	Treatment of Domestic Wastewater by Electrochemical Membrane Reactor	P.K. Publishers and Distributors	Jun-23	978-93-92239-81-6	International	Other		Noida Institute of Engineering and Technology, Greater Noida	https://www.pkpublshers.com/product/treatment-of-domestic-wastewater-by-electrochemical-membrane-reactor/

Academic Year (2021-22)

S. No.	Name of the Author(s)/ Editor(s)	Department of the Author(s) /Editor(s)	Title of the Book/Conference Proceeding	Name of the Publisher	Date, Month and Year of Publication	ISBN of the Book/ Conference Proceeding	International /National	Type of Publication (SCI, SCOPUS, WOS, UGC Care and Others)	Page Number of Book/Book Chapter	Affiliating Institute of the teacher at the time of publication	DOI/Online Link/URL of Book/Book Chapter
1	Sudhanshu Aggarwal, Anant Prakash Agrawal	Mechanical	Matrix Algebra- A Course for Engineers	Notion Press	May-22	979-8887046976	International	Other	150	Noida Institute of Engineering and Technology, Greater Noida	https://notionpress.com/read/matrix-algebra-a-course-for-engineers

Research Publications (Patent)

Academic Year (2023-24)

S. No.	Name of the Applicants	Name of the Inventors	Title of the Patent	National / International	Country Name	Date, Month & Year of Patent Applied	Date, Month & Year of Patent Published	Patent/ Application Number	Patent Status (Applied/ Published/ granted)	Type of Patent (Standard/ Design/ Utility)	Journal No. Journal Date	Date, Month & Year of Issue of Grant Certificate	Attach Proof of Patent as Annexure
1	Noida Institute of Engineering & Technology, Greater Noida	Raman Batra, Ajay Kumar	Smart Medical Cart	National	India	17-Nov-21	26-Nov-21	20211105266 2	Granted	Utility	Journal No is 489/2021 and Journal Date is 26/11/2021	02-Nov-23	202111052662.pdf
2	Abhijit Kuma, Asmita Dixit, Dilip kumar, Abdhesh Kumar , Bihari Nandan Pandey, Ritu punhani, Pulkit Srivastava , Jyotsna, Deepti Sahu, Aatif Jamshed, Anurag Mishra	Abhijit Kuma, Asmita Dixit, Dilip kumar, Abdhesh Kumar , Bihari Nandan Pandey, Ritu punhani, Pulkit Srivastava , Jyotsna, Deepti Sahu, Aatif Jamshed, Anurag Mishra	Color Scheme Based on Load Balancing Capacity of Resources In A Hybrid Cloud environment	National	India	11-May-23	28-Jul-23	20231103322 4	Published	Utility	Journal No is 30/2023 and Journal Date is 28/07/2023		202311033224.pdf
3	Noida Institute of Engineering & Technology, Greater Noida	Ashutosh Kumar Singh, Sanjay Kumar , Shahazad Ali , Kanika Jindal	Wearable Device for Monitoring and Alerting Users of Potential Workplace Hazards and Safety Risks in Real-Time	National	India	10-Jul-23	04-Aug-23	20231104629 1	Published	Utility	Journal No is 31/2023 and Journal Date is 04/08/2023		202311046291.pdf
4	Noida Institute of Engineering &	vivek Kumar , Arbind Kumar Amar , Chandan	An Efficient and Ecofriendly Garbage	National	India	04-Sep-23	06-Oct-23	20231105923 3	Published	Utility	Journal No is 40/2023 and Journal Date		202311059233.pdf

	Technology, Greater Noida	Kumar, Anant Prakash Agrawal	Collection and Segregation Device								is 06/10/2023		
5	Saurabh Yadav, Suantak Kamsonlian, Anant Prakash Agrawal , Rohit Kumar Singh, Maharshi Yadav, Niharika Dutt	Saurabh Yadav, Suantak Kamsonlian, Anant Prakash Agrawal , Rohit Kumar Singh, Maharshi Yadav, Niharika Dutt	A Method of Treatment of Domestic Waste Water by Electrochemical Membrane Bioreactor and Generation of Bioelectricity	National	India	15-Feb-23	03-Mar-23	20231101001 9	Granted	Utility	Journal No is 09/2023 and Journal Date is 03/03/2023	22-May-24	2023110100 19.pdf

Research Publications (Patent)

Academic Year (2022-23)

S. No.	Name of the Applicants	Name of the Inventors	Title of the Patent	National / International	Country Name	Date, Month & Year of Patent Applied	Date, Month & Year of Patent Published	Patent/ Application Number	Patent Status (Applied/ Published/ granted)	Type of Patent (Standard/ Design/ Utility)	Journal No. Journal Date	Date, Month & Year of Issue of Grant Certificate	Attach Proof of Patent as Annexure
1	Anant Prakash Agrawal, Shahazad Ali, Ajeet Singh, Chandan Kumar	Anant Prakash Agrawal, Shahazad Ali, Ajeet Singh, Chandan Kumar	A Robotic Arm	National	India	09-Aug-21	19-Aug-22	349188-001	Granted	Design	Journal No is 33/2022 and Journal Date is 19/08/2022	11-Aug-22	349188-001.pdf
2	Arbind Kumar Amar, Anant Prakash Agrawal, Anupama	Arbind Kumar Amar, Anant Prakash Agrawal, Anupama	Lifting Hook with Safety Latch	National	India	08-Oct-21	17-Feb-23	350969-001	Granted	Design	Journal No is 07/2023 and Journal Date is 17/02/2023	13-Feb-23	350969-001.pdf
3	Vivek Kumar, Arbind Kumar Amar, Chandan Kumar, Anant Prakash Agrawal	Vivek Kumar, Arbind Kumar Amar, Chandan Kumar, Anant Prakash Agrawal	A Multipurpose Robotic Platform with Adjusting Height	National	India	02-Feb-22	17-Mar-23	357720-001	Granted	Design	Journal No is 11/2023 and Journal Date is 17/03/2023	14-Mar-23	357720-001.pdf
4	Noida Institute of Engineering & Technology, Greater Noida	Pankaj Kushwaha, Anant Agrawal, Sanjay Kumar, Hitesh	Automated Water Level Controlling System with Double Crank Chin Mechanism	National	India	29-May-23	23-Jun-23	202311036880	Published	Utility	Journal No is 25/2023 and Journal Date is 23/06/2023		202311036880.pdf

Research Publications (Patent)

Academic Year (2021-22)

S. No.	Name of the Applicants	Name of the Inventors	Title of the Patent	National / International	Country Name	Date, Month & Year of Patent Applied	Date, Month & Year of Patent Published	Patent/ Application Number	Patent Status (Applied/ Published/ granted)	Type of Patent (Standard/ Design/ Utility)	Journal No. Journal Date	Date, Month & Year of Issue of Grant Certificate	Attach Proof of Patent as Annexure
1	R. Raman, Shailesh Kumar Singh, Anant Prakash Agrawal , Schendra, Kuldeep Singh, Ajay Pratap Singh, Bhawana Chaudhary	R. Raman, Shailesh Kumar Singh, Anant Prakash Agrawal , Schendra, Kuldeep Singh, Ajay Pratap Singh, Bhawana Chaudhary	Design and Modelling of IOT Based Cotton Picker Cum Boom Sprayer	National	India	29-Nov-21	10-Dec-21	20214105504 1	Published	Utility	Journal No is 50/2021 and Journal Date is 10/12/2021		202141055041.pdf
2	Praveen Pachauri, Chandan Kumar, Anurag Pal	Praveen Pachauri, Chandan Kumar, Anurag Pal	Paste Injector	National	India	04-Sep-20	15-Apr-22	332740-001	Granted	Design	Journal No is 15/2022 and Journal Date is 15/04/2022	06-Apr-22	332740-001.pdf
3	Krista Chaudhary, Asmita Dixit, Kanika Gupta, Lucknesh Kumar, Pulkit Srivastava , Aatif Jamshed, Anurag Mishra, Harsh Khatter	Krista Chaudhary, Asmita Dixit, Kanika Gupta, Lucknesh Kumar, Pulkit Srivastava , Aatif Jamshed, Anurag Mishra, Harsh Khatter	IOT Based Health Monitoring System Through Wearable Sensors	National	India	05-Apr-22	22-Apr-22	20221102042 5	Published	Utility	Journal No is 16/2022 and Journal Date is 22/04/2022		202211020425.pdf

Research Publications (Patent)

Academic Year (2020-21)

S. No.	Name of the Applicants	Name of the Inventors	Title of the Patent	National / International	Country Name	Date, Month & Year of Patent Applied	Date, Month & Year of Patent Published	Patent/ Application Number	Patent Status (Applied/ Published/ granted)	Type of Patent (Standard/ Design/ Utility)	Journal No. Journal Date	Date, Month & Year of Issue of Grant Certificate	Attach Proof of Patent as Annexure
1	Noida Institute of Engineering and Technology, Raj Kumar , Raman Batra	Noida Institute of Engineering and Technology, Raj Kumar , Raman Batra	Supporting Appratus for Elbow Fracture	National	India	12-Jun-19	14-Aug-20	318698-001	Granted	Design	Journal No is 33/2020 and Journal Date is 14/08/2020	11-Aug-20	318698-001.pdf
2	Noida Institute of Engineering and Technology, Raman Batra, Raj Kumar	Noida Institute of Engineering and Technology, Raman Batra, Raj Kumar	Inner Sole for Footwear	National	India	25-Jun-20	07-Aug-20	330448-001	Granted	Design	Journal No is 32/2020 and Journal Date is 07/08/2020	31-Jul-20	330448-001.pdf
3	Noida Institute of Engineering and Technology, Raman Batra, Raj Kumar	Noida Institute of Engineering and Technology, Raman Batra, Raj Kumar	Face Mask	National	India	25-Jun-20	01-Jan-21	330452-001	Granted	Design	Journal No is 01/2021 and Journal Date is 01/01/2021	30-Dec-20	330452-001.pdf
4	Praveen Pachauri	Praveen Pachauri, Chandan Kumar, Anurag Pal , Pankaj Kumar	Cartridge For 3D-Medicine Printer	National	India	23-Sep-20	16-Oct-20	20201104114 1	Published	Utility	Journal No is 42/2020 and Journal Date is 16/10/2020		202011041141.pdf
5	Shantanu Mishra	Shantanu Mishra, Praveen Pachauri	Tractional Stability Control System Based on Integrated Abs	National	India	12-Dec-12	26-Sep-14	3812/DEL/20 12 and 364275	Granted	Utility	Journal No is 39/2014 and Journal Date	08-Apr-21	3812-DEL-2012.pdf

			and Weight Transfer Mechanism								is 26/09/2014		
6	Noida Institute of Engineering and Technology, Raman Batra, Raj Kumar	Noida Institute of Engineering and Technology, Raman Batra, Raj Kumar	Mobile Stand	National	India	25-Jun-20	05-Mar-21	330449-001	Granted	Design	Journal No is 10/2021 and Journal Date is 05/03/2021	02-Mar-21	330449-001.pdf
7	Noida Institute of Engineering and Technology, Raman Batra, Raj Kumar	Noida Institute of Engineering and Technology, Raman Batra, Raj Kumar	Holder for Wrist Watch	National	India	25-Jun-20	05-Mar-21	330450-001	Granted	Design	Journal No is 10/2021 and Journal Date is 05/03/2021	02-Mar-21	330450-001.pdf
8	Noida Institute of Engineering and Technology, Raman Batra, Raj Kumar	Noida Institute of Engineering and Technology, Raman Batra, Raj Kumar	Frame for Face Protection Equipment	National	India	25-Jun-20	23-Apr-21	330451-001	Granted	Design	Journal No is 17/2021 and Journal Date is 23/04/2021	20-Apr-21	330451-001.pdf
9	Noida Institute of Engineering and Technology, Raman Batra, Raj Kumar	Noida Institute of Engineering and Technology, Raman Batra, Raj Kumar	Wrist Band for watch	National	India	25-Jun-20	30-Apr-21	330453-001	Granted	Design	Journal No is 18/2021 and Journal Date is 30/04/2021	20-Apr-21	330453-001.pdf