

Details of journal publications:

(i) 2017-18

S. No.	Name of Faculty Member	Name of Authors, as in Paper	Title of Paper	Journal Name	Publisher	Volume	Issue/No	Year	Pages Start-End	Category
1.	Dharamvir Mangal	Dhananjay Kumar, Dharamvir Mangal	Study and Analysis of the Effect of Welding Process on Distortion with 304L Stailless Steel Weld Joints	International Journal of Engineering Sciences & Research Technology (IJESRT) (Thomson Reuters)	--	6	2	Feb., 2017	212-216	Other
2.	Dharamvir Mangal	Ashok Singh Sunhal, Dharamvir Mangal	Economic Order Quantity (EOQ) – A Tool for Inventory Management In A Supply Chain (A Case Study)	International Journal of Engineering Research & Management Technology (IJERMT)	--	4	2	March 2017		Other
3.	Dharamvir Mangal	Angad Yadav, Dr Dharamvir Mangal, Dr Chaitanya Sharma	Optimization of Process Parameter for Mechanical Properties of S.S 304 by TIG (Tungsten Inert Gas) Welding using Filler Wire	International Journal of Engineering Technology Science and Research (IJETSRS)	--	4	5	May, 2017	187-199	Other

4.	Dharamvir Mangal	Vinay Kant Singh, Dharamvir Mangal, Kamal Kant Singh	Production and Abrasive Wear Characterization of SiC/AZ91 Mg Matrix Composite Processed by a Stir Casting Method	International Journal of Science, Engineering and Technology (IJSET)		4	1	June, 2017	1-12	Other
5.	Dharamvir Mangal	Ashok Singh Sunhal, Dharamvir Mangal	Analysis of Inventory Management in A Supply Chain by Using Economic Order Quantity (EOQ) Model	International Journal of Engineering Sciences & Research Technology (IJESRT) (Thomson Reuters)		6	10	October, 2017	303-309	Other
6.	Dharamvir Mangal	Anand Prakash Singh, Dharamvir Mangal	Study and Assessment of Mechanical Properties of Resistance Spot Weld of Two Dissimilar Metals (AISI)	International Journal of Engineering Sciences & Research Technology (IJESRT) (Thomson Reuters)		6	10	October, 2017	297-302	Other
7.	Satpal Sharma	Pardeep Sharma, <u>Satpal Sharma</u> , Dinesh Khanduja;	Production and Characterization of AA 6082 Si ₃ N ₄ + Gr Stir Cast Hybrid Composites,	Particulate Science and Technology.	Taylor and Francis.	35	2	2017	pp 158-165.	SCI
8.	Satpal Sharma	Shashi Prakash Dwivedi*, <u>Satpal Sharma</u> , Raghvendra Kumar Mishra;	Effects of Waste Eggshells and SiC Addition in the Synthesis of Aluminium Hybrid Green Metal Matrix Composite,	Green Processing and Synthesis	De Gruyter	06	--	2017	pp 113–123.	SCIE and Journal UGC S. No. 13790
9.	Satpal Sharma	Kanwarjeet Singh, <u>Satpal Sharma</u> ;	Development of Ni-based and CeO ₂ Modified Coatings by Microwave Heating,	Material and Manufacturing Processes.	Taylor and Francis.	03	01	2017	pp 50–57.	SCIE and (Journal UGC S. No. 25304)

10.	Satpal Sharma	Neeraj Sharma; R. K. Mishra; <u>Satpal Sharma</u> ;	Finite Element Modeling of Effective Thermo-Mechanical Properties of Al-B ₄ C Metal Matrix Composites,	Journal of Material Science	Springer Publication	52	--	2017	pp 1416–1431.	SCIE
11.	Satpal Sharma	DharamrajGautam, B. Ganguli, <u>Satpal Sharma</u> ;	Study of Surface Properties of Plasma Nitrided Ferritic Stainless Steel 430L,	Materials Performance and Characterization	ASTM International	6	4	2017	pp 581–593.	Scopus &(Journal UGC S. No. 25320)
12.	Satpal Sharma	Neeraj Sharma; R. K. Mishra; <u>Satpal Sharma</u> ;	Experimental Characterization and Numerical Modeling of Thermomechanical Properties of Al-B ₄ C Composites,	Ceramics International	Elsevier	43	----	2017	pp 513–522.	Journal UGC S. No. 6831
13.	Satpal Sharma	<u>Satpal Sharma</u> and Shashi Prakash Dwivedi*;;	Effects of Waste Eggshells and SiC Addition on Specific Strength and Thermal Expansion of Hybrid Green Metal Matrix Composite	Journal of Hazardous Materials	Elsevier	333	-----	2017	pp 1–5.	SCI (Journal UGC S. No. 20807)
14.	Satpal Sharma	Pardeep Sharma, Krishan Paliwal, Ramesh Kumar Garg, <u>Satpal Sharma</u> , Dinesh Khanduja;	A Study on Wear of Al/6101/Composites	Journal of Asian Ceramic Societies	Elsevier	5	1	2017	pp. 42–48	Scopus (Journal UGC S. No. N. A.)

15.	Satpal Sharma	Shashi Prakash Dwivedi*, <u>Satpal Sharma</u> , Raghvendra Kumar Mishra;	Tribological Behaviour of a Newly Developed AA2014/Waste Eggshells/SiC Hybrid Green Metal Matrix Composite at Optimum Parameters,	Green Processing and Synthesis	De Gruyter	Vol. 7(1), (2017),		2017	pp. 48–60.	SCIE & (Journal UGC S. No. 13790)
16.	Satpal Sharma	Mayank Nirbhay, Mahima Dua, Anurag Dixit, <u>Satpal Sharma</u> , R. K. Mishra;	Quasi Static Indentation Modeling of Aluminium Specimen using Finite Element Analysis,	Mediterranean Journal of Modeling & Simulation	Laboratoire de l'énergie et des systèmes intelligents	7	---	2017	pp 1–11.	Others
17.	Satpal Sharma	Shashi Prakash Dwivedi*, <u>Satpal Sharma</u> , Raghvendra Kumar Mishra;	Influence of Precipitation Hardening Parameters on the Microstructure and Mechanical Properties of Extruded AA2014/Eggshells Green Composites,	Journal of Composite Materials	Sage	07	--	2017	pp 1–11	SCI & (Journal UGC S. No. 19879)
18.	Satpal Sharma	P. Sharma, <u>Satpal Sharma</u> , R. Kumar Garg, K. Paliwal, D. Khanduja, V. Dabra;	Effect of Graphite Content on Mechanical Properties and Friction Coefficient of Reinforced Aluminum Composites,	Powder Metallurgy and Metal Ceramics.	Springer	56 (5-6), (2017),	5-6	2017	pp 264–272.	SCI & (Journal UGC S. No. 30087)

19.	Satpal Sharma	Gaurav Arora, <u>Satpal Sharma</u> ;	A Review on Monolithic and Hybrid Metal Matrix Composites Reinforced with Industrial-Agro Wastes – Aluminum Composites,	Journal of the Brazilian Society of Mechanical Sciences and Engineering.	Springer.	39	----	2017	pp 4819-4835.	SCI & (Journal UGC S. No. 23137)
20.	Satpal Sharma	Ojasvi Singh, Vikas, <u>Satpal Sharma</u> ;	Analysis and Comparison of Total Deformation of Welded Plates in Tensile and Fatigue Tests using ANSYS;	Materials Today: Proceedings	Elsevier	4	8	2017	pp 8409-8417.	Scopus
21.	Harishchandra Thakur	Dubey, D., Singh, D., & Thakur, H.	Thermal Analysis of Engine Cylinder having thick tip fin with varying slot sizes and materia	Materials Today: Proceedings,	Elsevier	4	8	2017	7636-7642	Scopus
22.	Harishchandra Thakur	Garg, R., Thakur, H., & Tripathi, B.	Nonlinear and transient heat transfer in the fin by a truly meshless method	Indian Journal of Science and Technology		10	31	2017	1-7	Web of Science
23.	Harishchandra Thakur	Sagar, P., Teotia, P., Sahlot, A. D., & Thakur, H. C.	Heat transfer analysis and optimization of engine fins of varying roughness	Materials Today: Proceedings	Elsevier	4	8	2017	8565-8570	Scopus

24.	Harishchandra Thakur	Sagar, P., Teotia, P., Sahlot, A. D., & Thakur, H. C.	Heat transfer analysis and optimization of engine fins of varying geometry.	Materials Today: Proceedings	Elsevier	4	8	2017	8558-8564	Scopus
25.	Harishchandra Thakur	Sagar, P., Teotia, P., Sahlot, A. D., & Thakur, H. C.	An analysis of silent flight of owl	Materials Today: Proceedings	Elsevier	4	8	2017	8571-8575	Scopus
26.	Harishchandra Thakur	Garg, R., Thakur, H., & Tripathi, B.	Nonlinear numerical analysis of convective-radiative fin using MLPG method	International journal of heat and technology	IIETA	35	4	2017	721-729	SCI

(i) 2018-19

S. No.	Name of Faculty Member	Name of Authors, as in Paper	Title of Paper	Journal Name	Publisher	Volume	Issue/No	Year	Pages Start-End	Category
1.	Dharamvir Mangal	Shruti Suresh, Dharamvir Mangal	Mechanical Properties of Hybrid Glass/Jute Reinforced Epoxy Composites	International Journal of Engineering Sciences & Research Technology (IJESRT) (Thomson Reuters)		7	05	May, 2018	233-240	Other
2.	Dharamvir Mangal	Astha Sharma, DharamvirMangal	Mechanical Properties of Hybrid Glass/Plywood Reinforced Epoxy Composites	International Journal of Engineering Sciences & Research Technology (IJESRT) (Thomson Reuters)		7	05	May, 2018	176-182	Other
3.	Dharamvir Mangal	Divyank Dubey , Dharamvir Mangal	Experimental Investigation of Low Velocity Impact on Hybrid Composite	International Journal of Science and Research (IJSR)		7	05	May, 2018	1529-1532	Other
4.	Dharamvir Mangal	Subodh, Praveen Kumar Gautam, Dharamvir Mangal	Analysis of Mechanical Strength of Aluminium-Basalt Fiber Composite	International Journal of Advances in Arts Sciences and Engineering					1-4	Other
5.	Dharamvir Mangal	Vinod Kumar Praveen PandyDharamvir Mangal	Optimization of Inventory Control Systems for Supply Chain Management	Universal Review		7	7	July 2018	69-76	Peer Review, 2277-2723

6.	Dharamvir Mangal	Vivek Madhav Rao Dharamvir Mangal	Economic order quantity – a tool for inventory management – a case study	Int. J. Supply Chain and Inventory Management (Inder Science)		3	1	2018	56-65	2054-1007
7.	Satpal Sharma	Gaurav Arora, <u>Satpal Sharma</u> ;	A Comparative Study of AA6351 Mono-composites Reinforced with Synthetic and Agro Waste Reinforcement;	International Journal of Precision Engineering and Manufacturing	Springer	19	4	2018	pp 631–638.	SCI & (Journal UGC S. No. 17411)
8.	Satpal Sharma	Prashant Tripathi, Vivek Kumar Gupta, Anurag Dixit, R.K Misra, Satpal Sharma;	Development and Characterization of Low Cost Jute, Bagasse and Glass Fiber Reinforced Advanced Hybrid Epoxy;	AIMS Materials Science	AIIMS Press	5	2	2018	pp 320–337.	Scopus
9.	Satpal Sharma	Sushil Kumar, Shashi Prakash Dwivedi, Satpal Sharma,	Friction and Adhesive Wear Study of HVOF Sprayed Ni - WC-Co Base Powder Coating,	Powder Metallurgy and Metal Ceramics.	Springer	57	5-6	2018	pp 329–335.	SCI & (Journal UGC S. No. 30087)
10.	Satpal Sharma	Pardeep Sharma, Krishan Paliwal, Vishal Dabra, Satpal Sharma, Neeraj Sharma, Gurpreet Saini;	Influence of Silicon Carbide/Graphite Addition on Properties of AA6082 Reinforced Composites:	Australian Journal of Mechanical Engineering	Taylor and Francis	18	1	2018	pp. S176 - S184	Scopus
11.	Satpal Sharma	Tribhuwan Kishore Mishra Arbind Kumar, S.	Investigation of Sliding Wear Behaviour of HVOF Carbide Coating;	Materials Today: Proceedings	Elsevier	5	9	2018	pp 19539–19546.	Scopus

		K. Sinha, SatpalSharma;								
12.	Satpal Sharma	Chandra Vikram Singh, Praveen Pachauri, S.P. Dwivedi, Satpal Sharma;	Hardness of Welded Al 6082 and Al 8011 Plates by Controlling Tilt Angle of Tool in FSW;	International Journal of Engineering & Technology,	Science Publishing Corporation, UAE	7	4.39	2018	pp 407–409.	Scopus
13.	Satpal Sharma	Dushyant Kumar Upadhyay, Praveen Pachauri, S.P. Dwivedi, Satpal Sharma;	Effects of Friction Stir Welding Parameters on Hardness of Welded Al 6082 and Al 8011 Plates;	International Journal of Engineering & Technology,	Science Publishing Corporation, UAE	7	4.39	2018	pp 410–412.	Scopus
14.	Satpal Sharma	Shashi Prakash Dwivedi and Satpal Sharma;	Utilization of Waste Eggshell to Reduce Soil Pollution in Development of Composites Using Central Composite Design;	Review of Composites and Advanced Materials (Revue des Composites et des Matériaux Avancés)	International Information and Engineering Technology Association (IIETA)	28	3	2018	pp 421–428.	Scopus
15.	Satpal Sharma	Praveen Kumar and Satpal Sharma;	Experimental and Analytical Study of the Spring Back / Go Behaviour for Aluminium Alloy 6082-O Sheet Using V and U Bending Die;;	Journal of Material Science and Mechanical Engineering (JMSME)	ASCS Publications	5	4	2018	pp 204–208 .	Others
16.	Satpal Sharma	Praveen Kumar and Satpal Sharma;	An Experimental Study on the Effect of Tensile Properties and Hardness of AA6082-T6 Under the Heat Treatment Conditions;	Journal of Materials and Metallurgical Engineering	STM Journals, an imprint of CELNET (Consortium e-Learning	8	3	pp 36–41.	2018	Others

					Network Pvt. Ltd.)					
17.	Harishchandra Thakur	Johri, N., Mishra, R., & Thakur, H.	Design parameter optimization of Jute-chicken fiber reinforced polymeric hybrid composites	Materials Today: Proceedings	Elsevier	5	9	2018	19862-19873	Scopus
18.	Harishchandra Thakur	Singh, R. R., & Thakur, H. C.	Heat Transfer Enhancement and Pressure Drop Performance for Fin and Tube Compact Heat Exchangers with Radiantly Arranged Rectangular Winglet-Type Vortex Generators	International Journal of Vehicle Structures & Systems	MAFTREE	10	5	2018	363-366	Scopus
19.	Harishchandra Thakur	Verma, S., & Thakur, H.	Comparison of Natural Convection Heat Transfer from a Vertical Cylinder Fitted with Annular Step Fins and Annular Triangular Fins	International Journal of Vehicle Structures & Systems	MAFTREE	10	5	2018	363-366	Scopus
20.	Harishchandra Thakur	Giri, A., Tripathi, B. & Thakur, H.	Computational Fluid Dynamics Analysis of Airflow in an Idle Passenger Car Cabin	International Journal of Mechanical and Production Engineering Research and Development		8		2018	707-716	Scopus
21.	Harishchandra Thakur	Garg, R., Thakur, H., & Tripathi, B.	Numerical simulation of two-dimensional fluid flow problem using truly meshfree method	Mathematical Modelling of Engineering Problems	IIETA	5	4	2018	357-364	Scopus
22.	Harishchandra Thakur	Garg, R., Thakur, H., & Tripathi, B.	Numerical analysis of a semi-infinite solid with temperature dependent thermal conductivity using truly meshfree method	International Journal of Vehicle Structures & Systems	MAFTREE	10	4	2018	307-312	Scopus

23.	Harishchandra Thakur	Gupta, A., & Thakur, H.	Wood-concrete composite for thermally insulated building construction material	ASME International Mechanical Engineering Congress and Exposition	ASME	52071		2018	V06AT08A046	Scopus
24.	Harishchandra Thakur	Ahmad, M., & Thakur, H.	Determination of heat exchange rate by a triangular heat generating conductive body in an enclosure using CFD	IOP Conference Series: Materials Science and Engineering	IOP Publishing	455	1	2018	012045	Scopus

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S. No.	Name of Faculty Member	Name of Authors, as in Paper	Title of Paper	Journal Name	Publisher	Volume	Issue/No	Year	Pages Start-End	Category
1.	Dharamvir Mangal	Gaurav Subodh Dharamvir Mangal	Comparison of Mechanical Strength of Aluminum Carbon Fiber Composite with Aluminum Basalt Fiber Composite	International Journal of Engineering Sciences & Research Technology (IJESRT) (Thomson Reuters)		8	4	April 2019	117-123	Other
2.	Satpal Sharma	Kanwarjeet Singh, <u>Satpal Sharma</u> ;	Fabrication and Investigation of Co-based and CeO ₂ Modified Microwave Cladding;	Protection of Metals and Physical Chemistry of Surfaces	Springer	55	2	2019	pp 352-358.	SCIE & Journal UGC S. No. 30700
3.	Satpal Sharma	Pardeep Sharma, Vishal Dabra, Satpal	Microstructure and Properties of AA6082 - (SiC + Graphite)	Refractories and Industrial Ceramics	Springer.	59	5	2019	pp 471-477.	SCIE & Journal UGC S. No. 31477

		Sharma, Dinesh Khanduja,	Hybrid Composites;							
4.	Satpal Sharma	Gaurav Arora, <u>Satpal Sharma</u> ;	Production of Hybrid Reinforcement by Ball Milling for Development of Aluminium Matrix Composites;	World Journal of Engineering,	Emerlad Publisher	16	3	2019	pp 357-362.	Scopus & Journal UGC S. No. 37970
5.	Satpal Sharma	Kanwarjeet Singh, <u>Satpal Sharma</u> ;	Effect of Neodymium Oxide on Microstructure, Hardness and Abrasive Wear Behaviour of Microwave Clads;	Materials Research Express	IOP Science. U.K.	6	--	2019	086599	SCIE
6.	Satpal Sharma	Praveen Kumar and Satpal Sharma;	Formability Study on the Friction Stir Welding Tailor Welded Blanks- A Broad Review.	International Journal of Advanced Academic Studies	Comprehensive Publications	1	1	2019	pp 25-30.	Others

7.	Satpal Sharma	Ankit Verma, Avadh Pal, Shashi Prakash Dwivedi and Satpal Sharma;	Physical, Mechanical and Thermal Behavior of Recycled Agro Waste GSA Reinforced Green Composites;	Mechanical Testing/Analysis of Physical Properties	Carl Hanser Verlag, Munchen Materials Testing	61	9	2019	DOI: https://doi.org/10.3139/120.111399	Scopus
8.	Satpal Sharma	Chandra Vikram Singh, Praveen Pachauri, Shashi Prakash Dwivedi, <u>Satpal Sharma</u> & R. M. Singari;	Formation of Functionally Graded Hybrid Composite Materials with Al ₂ O ₃ and RHA Reinforcements using Friction Stir Process;	Australian Journal of Mechanical Engineering	Taylor and Francis	20	1	pp. 141-154	2022	Scopus
9.	Satpal Sharma	Sushil Kumar, <u>Satpal Sharma</u> ;	Wear Behavior and Tribological Evolution of High Entropy Alloys;	International Journal of Recent Technology and Engineering (IJRTE)	Blue Eyes Intelligence Engineering & Sciences Publication	8	2S11	2019	pp. 3143 - 3146	Scopus

10.	Satpal Sharma	Kanwarjeet Singh, <u>Satpal Sharma</u> ;	Effect of Neodymium Oxide on Microstructure, Hardness and Abrasive Wear Behaviour of Microwave Clads;	Materials Research Express	IOP Science. U.K.	6	--	2019	086599	SCIE
11.	Satpal Sharma	Sushil Kumar and Satpal Sharma;	Recent Advances of Nanoindentation in High Entropy Alloys;	International Journal on Emerging Technologies	Research Trends	10	3	2019	pp 77-81.	Others
12.	Harishchandra Thakur	Ahmad, M., & Thakur, H.	Effect of Length Ratio on Heat Exchange Rate by a Triangular Heat Generating Conductive Body inside an Enclosure	International Journal of Vehicle Structures & Systems (IJVSS)	MAFTREE	10	5	2019	377-380	Scopus
13.	Harishchandra Thakur	Johri, N., Mishra, R., & Thakur, H.	Synthesis and characterization of jute-and chicken-feather-fiber-reinforced	Mechanics of Composite Materials	Springer US	54	6	2019	821-832	SCI

			polymer hybrid composites							
14.	Harishchandra Thakur	Vyas, P. D., Thakur, H. C., & Darji, V. P.	Nonlinear analysis of convective-radiative longitudinal fin of various profiles	International Journal of Numerical Methods for Heat & Fluid Flow	Emerald Publishing Limited	30	6	2019	3065-3082	SCI
15.	Harishchandra Thakur	Gupta, A., & Thakur, H.	The Study of Parametric Factor in Attic Space for Winter Season	IOP Conference Series: Materials Science and Engineering	IOP Publishing	691	1	2019	012091	Scopus

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S. No.	Name of Faculty Member	Name of Authors, as in Paper	Title of Paper	Journal Name	Publisher	Volume	Issue/No	Year	Pages Start-End	Category
1.	Dharamvir Mangal	Vinod Kumar Dr. Dharamvir Mangal Dr. Praveen Pandey	Multiple regression analysis of performance Dependent & Independent indicators in the Automobile Company	Gedrag&Organisatie review (SSCI)		33	02	2020	635-643	Web of Science
2.	Dharamvir Mangal	Rahul Kumar Verma Tarun Kumar Gupta Dharamvir Mangal	Comparative Evaluation of Economic Order Quantity and Modeling Technique for	Gedrag&Organisatie review (SSCI)		33	02	2020	2095-2106	Web of Science

			Inventory Control – A Case Study							
3.	Dharamvir Mangal	Alok Kumar Vishwakarma Dharamvir Mangal	Hemp Fibre Reinforced – Graphene Composite Material	Int. Journal of Creative Research Thoughts		8	05	May 2020	1256-1266	Other
4.	Dharamvir Mangal	Rahul Kumar Verma Tarun Kumar Gupta Dharamvir Mangal	Inventory Control in a Supply Chain through Ordering Techniques	Gedrag&Organisatie review (SSCI)		33	03	2020	162-172	Web of Science
5.	Dharamvir Mangal	Alok Kumar Vishwakarma Dharamvir Mangal	Hemp Fibre Reinforced – Graphene Composite Material	Int. Journal of Creative Research Thoughts		8	05	May 2020	1256-1266	Other
6.	Satpal Sharma	Kanwarjeet Singh, <u>Satpal Sharma</u> ;	Effect of Rare Earth on Microstructure and Wear Behaviour of Ni based Microwave Clad;	Indian Journal of Engineering & Materials Sciences	National Institute of Science Communication and Information (CSIR- NISCAIR)	27	---	2020	pp 564-572.	Others
7.	Satpal Sharma	Pramod Kumar, <u>Satpal Sharma</u> , Bhaskar Chandra Kandpal;	Synthesis and Mechanical Characterization of Biomass Fly Ash Strengthened Aluminium Matrix Composites;	Materials Today: Proceedings	Elsevier	26	---	2020	pp. 266-272.	Scopus

8.	Satpal Sharma	Shashi Prakash Dwivedi, Manish Maurya, Nagendra Kumar Maurya, Ashish Kumar Srivastava, Satpal Sharma, Ambuj Saxena;	Utilization of Groundnut Shell as Reinforcement in Development of Aluminum Based Composite to Reduce Environment Pollution: A Review;	EVERGREEN	Joint Journal of Novel Carbon Resource Sciences & Green Asia Strategy,	7	1	2020	pp 15-25.	Scopus
9.	Satpal Sharma	Praveen Kumar and Satpal Sharma;	Multi-Response Optimization of Parameters in FSW for Tailor Welded Blanks AA5052-H32 and AA5083-O using Response Surface Methodology;	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	Blue Eyes Intelligence Engineering & Sciences Publication	9	5	2020	pp 1852-1857.	Scopus
10.	Satpal Sharma	Pramod Kumar, <u>Satpal Sharma</u> , Bhaskar Chandra Kandpal;	Synthesis and Mechanical Characterization of Biomass Fly Ash Strengthened Aluminium Matrix Composites;	Materials Today: Proceedings	Elsevier	26	---	2020	pp. 266-272.	Scopus
11.	Satpal Sharma	Shashi Prakash Dwivedi, Manish Maurya,	Utilization of Groundnut Shell as Reinforcement in Development of	EVERGREEN	Joint Journal of Novel Carbon Resource Sciences &	7	1	2020	pp 15-25.	Scopus

		Nagendra Kumar Maurya, Ashish Kumar Srivastava, Satpal Sharma, Ambuj Saxena;	Aluminum Based Composite to Reduce Environment Pollution: A Review;		Green Asia Strategy,					
12.	Satpal Sharma	Shashi Prakash Dwivedi, Satpal Sharma, Tanuj Singh, Naresh Kumar;	Mechanical and Metallurgical Characterization of Copper-Based Welded Joint Using Brass as Filler Metal Developed by Microwave Technique;	Annales de Chimie – Science des Matériaux	International Information and Engineering Technology Association (IIETA)	44	4	2020	pp 281-286	Scopus
13.	Satpal Sharma	Shashi Dwivedi, Satyendra Pal, <u>Satpal Sharma</u> ;	Identification of Microwave Radiation Effect on Copper Welded Joint with Brass as Filler Material using Response Surface Methodology	Materials Performance and Characterization	ASTM International	9	1	2020	pp 267-276.	Scopus
14.	Harishchandra Thakur	Dixit, S., Kumar, A., Kumar, S., Waghmare, N.,	CFD analysis of biodiesel blends and combustion using Ansys Fluent	Materials Today: Proceedings	Elsevier	26		2020	665-670	Scopus

		Thakur, H. C., & Khan, S.								
15.	Harishchandra Thakur	Pratap Singh, M., Rajvanshi, A., & Thakur, H.	Patterns of natural convection in an irregular arc-shaped enclosure	Heat Transfer Engineering	Taylor & Francis	41	6-7	2020	676-689	SCI
16.	Harishchandra Thakur	Garg, R., Thakur, H., & Tripathi, B.	Numerical simulation of two- dimensional fins using the meshless local Petrov- Galerkin method.	Engineering Computations	Emerald Publishing Limited	37	8	2020	2913-2938	SCI
17.	Harishchandra Thakur	Khan, S., Thakur, H. C., & Khan, N.	A Computational Fluid Dynamic Study of Shell and Tube Heat Exchanger Using (CuO, Al ₂ O ₃ , TiO ₂)-Water Nanofluids.	Advanced Science, Engineering and Medicine	American Scientific Publishers	12	12	2020	1462-1467.	Scopus

(v) 2021-22

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1.	Dharamvir Mangal	Tarun Kumar Gupta Dharamvir Mangal Ashish Gupta	Impact of material properties on the dynamics of cam shaft	Materials Today: Proceedings	Elsevier	47	13	2021	4083-4091	Scopus
2.	Satpal Sharma	Gaurav Arora and Satpal Sharma;	Influence of Rare Earth Addition on the Properties on AA6351 Hybrid Composites,	Journal of Engineering Research,	Academic Publication Council – Kuwait University	9	4B	2021	DOI: https://doi.org/10.36909/jer.7901	Scopus
3.	Satpal Sharma	Praveen Kumar and	Influence of FSW Process Parameters on Formability and Mechanical Properties of Tailor Welded Blanks	Transaction of Indian Institute of Metals.	Publisher Springer	74	--	2021	pp 1943-1968.	SCIE

		Satpal Sharma;	AA6082-T6 and AA5083-O Using RSM with GRA-PCA Approach;							
4.	Satpal Sharma	Nand Kumar; B Ganguli; Satpal Sharma; Bidesh Roy; Shivanshu Dixit;	Evaluation of Properties of Glow Discharge Plasma Nitrided C-300 Maraging Steel	Transactions of the Indian Institute of Metals	Springer	75	3	2021	pp. 1-14	SCIE
5.	Harishchandra Thakur	Gupta, A., & Thakur, H.	Development of Green Cementitious Materials Origin from Agro-squander: A Review.	Advances in Interdisciplinary Engineering	Springer			2021	629-646.	Scopus
6.	Harishchandra Thakur	Gupta, A., & Thakur, H.	Experimental Analysis of Agro-Green Waste in Supplement of Sand for Concrete Mixture	ACI Materials Journal		118		2021	41-48	SCI
7.	Harishchandra Thakur	Thakur, H.	Nonlinear heat transfer analysis of spines using MLPG method.	Engineering Analysis with Boundary Elements	Elsevier	131		2021	15-26	SCI
8.	Harishchandra Thakur	Srivastava, R. S., Kumar, A., Sharma, S., Thakur, H., Patel, S., & Vaish, R	Development and applications of thermoelectric based dehumidifiers	Energy and Buildings	Elsevier	252		2021	111446 (online)	SCI
9.	Vikas Shrivastava	P. Singh, V. Shrivastava*, S.K.	Microstructural evolution, compressive deformation and corrosion behaviour of thermally oxidized porous Ti4Al4Co alloy made of mechanically alloyed powder	Materials Chemistry and Physics	Elsevier	261	--	2021	124191	SCI

		Srivastava, I. B. Singh, P. Agarwal, D.P. Mondal								
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S. No.	Name of Faculty Member	Name of Authors, as in Paper	Title of Paper	Journal Name	Publisher	Volume	Issue/No	Year	Pages Start-End	Category
1.	Dharamvir Mangal	Vikas Srivastava Gaurav Kumar Gupta Hemant Jain D.V. Mangal Pradeep Singh I.B. Singh	Novel Synthesis Approach of Making Efficient Nanocomposite via Powdre Metallurgy Route: Study of Microstructure and Mechanical Properties	Manufacturing Letters	Elsevier	31		2022	36-39	ESCI
2.	Dharamvir Mangal	Kamal Kant Singh · Dharamvir Mangal	Corrosion Behavior of AZ91/TiC/Al ₂ O ₃ Hybrid Composites	Journal of Bio and Tribo Corrosion	Springer	9	17	2022		Scopus

3.	Satpal Sharma	Praveen Kumar and Satpal Sharma;	Effect of High Tool Rotational Speed and Pin Diameter on Mechanical Properties, Microstructure and Formability of Friction Stir Tailor Welded Blanks;	Advances in Material and Processing Technologies	Taylor Francis	8	4	2022	pp. 4613 - 4641	Scopus
4.	Satpal Sharma	Chandra Vikram Singh, Praveen Pachauri, Shashi Prakash Dwivedi, <u>Satpal Sharma</u> & R. M. Singari;	Formation of Functionally Graded Hybrid Composite Materials with Al ₂ O ₃ and RHA Reinforcements using Friction Stir Process;	Australian Journal of Mechanical Engineering	Taylor and Francis	20	1	pp. 141-154	2022	Scopus
5.	Harishchandra Thakur	Srivastava, R. S., Kumar, A., Thakur, H., &Vaish, R.	Solar assisted thermoelectric cooling/heating system for vehicle cabin during parking: A numerical study	Renewable Energy	Elsevier	181		2022	384-403	SCI
6.	Harishchandra Thakur	Johri, N., Agarwal, G., Mishra, R. K., & Thakur, H. C.	FEM analysis of polymeric hybrid composites	Materials Today: Proceedings	Elsevier	57		2022	383-390	Scopus

7.	Harishchandra Thakur	Saurabh, K., & Thakur, H.	Numerical analysis of annular fin of different profiles with a meshfree method. Materials Today: Proceedings	Materials Today: Proceedings	Elsevier	56		2022	943-948	Scopus
8.	Harishchandra Thakur	Saurabh, K., & Thakur, H.	Heat transfer and fluid flow analysis of artificially roughened solar air heater	Materials Today: Proceedings	Elsevier	56		2022	910-920	Scopus
9.	Vikas Shrivastava	P. S. Pundir, R. Srivastava, S. K. Agarwal, V. Shrivastava	On the estimation problems for discrete inverse gamma lifetime model with real data applications,	Life Cycle Reliability and Safety Engineering	Springer	11		2022	313-321	Other
10.	Vikas Shrivastava	Vikas Srivastava Gaurav Kumar Gupta Hemant Jain D.V. Mangal Pradeep Singh I.B. Singh	Novel Synthesis Approach of Making Efficient Nanocomposite via Powder Metallurgy Route: Study of Microstructure and	Manufacturing Letters	Elsevier	31		2022	36-39	ESCI

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