3.4.5 – Number of research Publications in the Journals notified on UGC website during the year 2018								
S.No	Title of paper	Name of the author/s	Department of teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal	Impact factor
1	Solar power utility section in India: challenges and opportunities	Rathore P.K. S., Rathore S., Singh R. P., Agnihotri S	Department of Mechanical Engineering	Renewable and Sustainable Energy Reviews	2018	1364-0321	https://www.sciencedirect.com/science/article/abs/pii/S1364032117310171	12.11
2	An Experimental Study On Solar Water Heater Integrated With Phase Change Material	Rathore, P. K. S.	Department of Mechanical Engineering	Lectures note in mechanical engineering	2018	978-981-13-6416-7	https://link.springer.com/chapter/10.1007/978-981-13-6416-7_33	
3	Optimization of Design Parameters of Go-Kart	Vaibhav., Kukreja N	Department of Mechanical Engineering	International Journal of Engineering Applied Sciences and Technology	2018	2455-2143	https://www.researchgate.net/publication/332112230_OPTIMIZATION_OF_DESIGN_PARAMETERS_OF_GO-KART	
4	Nusselt number optimization for double pass solar air heater having V-shape ribs as roughness element using genetic algorithm	Sharma S., Sharma H., Bhardwaj G., Varun	Department of Mechanical Engineering	International Journal of Mechanical Engineering and Technology (IJMET)	2018	0976-6359	http://www.iaeme.com/MasterAdmin/Journal_uploads/IJMET/VOLUME_9_ISSUE_13/IJMET_09_13_132.pdf	
5	Perspectives of solar photovoltaic water pumping for irrigation in India	Rathore, P. K. S., Das, S.S., Chauhan, D.S	Department of Mechanical Engineering	Energy Strategy Review	2018	2211-467X	https://www.sciencedirect.com/science/article/abs/pii/S2211467X18300993	3.895
6	An evaluative observation on impact of optical properties of nanofluids in performance of photo-thermal concentrating systems	Verma S. K., Tiwari A.K., Tripathi M	Department of Mechanical Engineering	Solar Energy	2018	0038-092X	https://www.sciencedirect.com/science/article/abs/pii/S0038092X18310867	4.608

7	Molecular Dynamics Simulation of Glass Transition Behavior of Polymer based Nanocomposites	Singh P.K., Sharma K.,	Department of Mechanical Engineering	Journal of Scientific and industrial research	2018	0975-1084	http://nopr.niscair.res.in/handle/123456789/45110	
8	Experimental study of the thermal performance of nanofluid-filled and nanoparticles-coated mesh wick heat pipes,	Gupta N. K., Tiwari A. K., Ghosh S.K	Department of Mechanical Engineering	Journal of Heat Transfer, Transactions of ASME	2018		https://asmedigitalcollection.asme.org/heattransfer/article-abstract/140/10/102403/374541/Experimental-Study-of-Thermal-Performance-of	1.787
9	Experimental Investigation of Mesh Wick Heat Pipe, Heat Transfer Research	Gupta N. K., Tiwari A. K., Ghosh S.K	Department of Mechanical Engineering	Begell House	2018	1793–1811	https://www.researchgate.net/publication/324954896_Experimental_investigation_of_thermal_performance_of_mesh_wick_heat_pipe	0.93
10	., Optimization of nusselt number for inclined ribs used as roughness Element in solar air heater duct	Bhardwaj, G., Sharma, H., Sharma A., Singhal P	Department of Mechanical Engineering	International Journal of Mechanical Engineering and Technology (IJMET)	2018	2272–2276	https://www.researchgate.net/publication/331272590_Optimization_of_nusselt_number_for_Inclined_ribs_used_as_roughness_element_in_solar_air_heater_duct	
11	Effect of tool geometry of friction stir welding on mechanical properties of aa-7075 aluminum alloy	Shahbuddin, Dwivedi V.K.,	Department of Mechanical Engineering	International Journal of Mechanical Engineering and Technology (IJMET),	2018	625–633	http://www.iaeme.com/MasterAdmin/Journal_uploads/IJMET/VOLUME_9_ISSUE_6/IJMET_09_06_071.pdf	
12	Performance analysis of hybrid nanofluids in flat plate solar collector as an advanced working fluid	Verma S. K., Tiwari A. K., Tiwari S., Chauhan D. S	Department of Mechanical Engineering	Solar Energy	2018	0038-092X	https://www.sciencedirect.com/science/article/abs/pii/S0038092X18303621	4.608
13	Study of Friction Stir Welding – A Review	Shahabuddin, Dwivedi V.K.	Department of Mechanical Engineering	International Journal of Latest Trends in Engineering and Technology	2018	2278-621X	https://www.ijltet.org/journal_details.php?id=927&j_id=4338	

14	Fabrication and Design of Fixture with a New Technique for Friction Stir Welding	Shahabuddin, Dwivedi V.K	Department of Mechanical Engineering	International Journal of Engineering Technology Science and Research	2018	2394-3386	http://www.ijetsr.com/images/short_pdf/1517753107_1540-1544-oitm826_ijetsr.pdf	
15	Replacement of Kevlar with Spider Silk in Body Armour	Sharma A., Dwivedi V.K.,	Department of Mechanical Engineering	World Journal of Technology	2018		http://www.ijetsr.com/images/short_pdf/1517753107_1540-1544-oitm826_ijetsr.pdf	
16	Hot deformation behavior of Zr-1Nb alloy in two phase region microstructure and mechanical properties	Saxena K.K., Suresh K.S., Kulkarni R.V., Krishna K.V. M., Pancholi V., Srivastava D	Department of Mechanical Engineering	, Journal of Alloy & Compound	2018	0925-8388	https://www.researchgate.net/publication/322300088_Hot_deformation_behavior_of_Zr-1Nb_alloy_in_two-phase_region_-microstructure_and_mechanical_properties	4.15
17	Mechanical & Visco Elastic properties of In-Situ Amine Functionalized multiple layer graphene/ epoxy Nanocomposites	Singh P.K., Sharma K.,	Department of Mechanical Engineering	Current Nano Science	2018	1875-6786	https://www.eurekaselect.com/158477/article	1.836
18	Heat Transfer Mechanism in Heat Pipe using Nanofluids - A Review	Gupta N.K., Tiwari A.K., Ghosh S.K	Department of Mechanical Engineering	Experimental Thermal and Fluid Science	2018	0894-1777	https://www.sciencedirect.com/science/article/abs/pii/S0894177717302455#:~:text=Significant%20enhancement%20of%2040%25%20in,water.&text=Thermal%20performance%20increased%20with%20increase,properties%20of%20the%20working%20fluid.	3.444
19	Investigation of Metal Matrix Composite Obtained Through Powder Metallurgy for its Dependence of Surface and Bulk Property on Particle Size and Their Distribution	Kumar A	Department of Mechanical Engineering	International Journal of Engineering and Advanced Technology (IJEAT)	2018	2249 – 8958		

20	Modeling of industrial supply networks to make them more effective by handling disruptions and uncertainities using MATLAB	Sharma R.K., Singhal P	Department of Mechanical Engineering	International Journal of Engineering and Advanced Technology (IJEAT)	2018	2249 – 8958	https://www.researchgate.net/publication/325169794_Modeling_of_Industrial_supply_networks_to_make_them_more_effective_by_handling_disruptions_and_uncertainties_using_MATLAB	
21	Synthesis and dynamic mechanical analysis of hybrid reinforced polymer nano-composites, International Journal of Engineering and Advanced Technology (IJEAT)	Soni A., Sonia P.,	Department of Mechanical Engineering	International Journal of Engineering and Advanced Technology (IJEAT	2018	2249 – 8958		
22	Experimental investigation for optimization of process parameters of EDM for Titanium grade 5 alloy (T16AL4V) using Taguchi method	Sharma A.K., Bhardwaj G., Singh B	Department of Mechanical Engineering	International Journal of Engineering and Advanced Technology (IJEAT)	2018	2249 – 8958		
23	Multiobjective optimizatino of submerged arc welding parameters on AISI 5130 alloy steel using Taguchi method	Singh B., Singhal P., Sharma A.,	Department of Mechanical Engineering	International Journal of Engineering and Advanced Technology (IJEAT)	2018	2249 – 8958	https://www.researchgate.net/publication/325441418_Multiobjective_Optimization_of_Submerged_Arc_Welding_Parameters_on_AISI_5130_Alloy_Steel_using_Taguchi_Method	
24	Correlations development of Nusselt number and friction factor of roughned double pass solar air heater duct,	Bhardwaj G., Sharma V., Sharma A	Department of Mechanical Engineering	International Journal of Engineering and Advanced Technology (IJEAT)	2018	2249 – 8958		
25	CFD analysis of free surface flow over Broad-Crested Weir using volume of fluid method,	Dixit P., Deshmukh T. S.,	Department of Mechanical Engineering	International Journal of Engineering and Advanced Technology (IJEAT)	2018	2249 – 8958		

26	Thermo-physical characterization of Jatropha-based biodiese	Chiroliya R., Gupta Y., Paswan A.K., Agrawal R., Sharma R.K., Singhal P	Department of Mechanical Engineering	International Journal of Engineering and Advanced Technology (IJEAT)	2018	2249 – 8958	https://www.researchgate.net/publication/324227162_Thermo-physical_characterization_of_Jatropha-_based_Biodiesel	
27	Multi-optimization of surface roughness & material removal rate of D3 tool steel while wet turning using multi criterion decision making methods	Sharma V., Mishra J.P.,	Department of Mechanical Engineering	International Journal of Engineering and Advanced Technology (IJEAT)	2018	2249 – 8958		
28	Study of properties of sintered forged aluminium powder made by unconventional die	Sharma A., Dwivedi V. K.	Department of Mechanical Engineering	International Journal of Engineering Technology Science and Research	2018	2394 – 3386	http://www.ijetsr.com/images/short_pdf/1523948386_737-742-chd239_ijetsr.pdf	

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