3.4.5 – Number of research Publications in the Journals notified on UGC website during the year 2019

S.No	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publicat ion	ISSN number	Link to the recognition in UGC enlistment of the Journal
1	A Comparative Experimental Study of Thermal Performance Uncoated Wick Heat Pipe Using Water	Gupta N.K., Tiwari A.K., Verma S.K., Rathore P.K. S., Ghosh S. K,	Department of Mechanical Engineering	Heat Transfer Research, Begell House	2019	1064-2285	http://www.dl. begellhouse. com/journals/46784ef9 3dddff27, 070d4e004eb90078, 641d05fe4a08677d. html
2	Analysis of Depth of penetration and impact strength during shielded metal arc welding under magnetic field using artificial neural networks	Singh, R.P.	Department of Mechanical Engineering	Global Research and Development Journal for Engineering	2019	2278 – 7798	https://www.academia. edu/40553929/Analysis _of_Depth_of_Penetrati on_and_Impact_Strengt h_during_Shielded_Met al_Arc_Welding_under_ Magnetic_Field_using_A rtificial_Neural_Networ ks
3	Prediction of Depth of Penetration and Reinforcement Height of Shielded Metal Arc Weld under magnetic field using artificial neural networks	Singh, R.P	Department of Mechanical Engineering	International Journal of Engineering Research and Technology	2019	2278-0181	https://www.ijert. org/prediction-of-depth- of-penetration-and- reinforcement-height-of- shielded-metal-arc- weld-under-magnetic- field-using-artificial- neural-networks

4	Analysis Of Heat Transfer Enhancement Of Electronic Chip Using CFD	Gupta S.K., Rawat M.K., Kukreja N	Department of Mechanical Engineering	International Journal of Scientific & Technology Research, Volume 8	2019	2277-8616	https://www.ijstr. org/final- print/dec2019/- Analysis-Of-Heat- Transfer-Enhancement- Of-Electronic-Chip- Using-Cfdpdf
5	Using a Fuzzy Logic-Based Emotional Intelligence Framework for Testing Satisfaction of Faculty in an Outcomes-Based Educational System	Pathak P., Dwivedi V.K	Department of Mechanical Engineering	International Journal of Innovative Technology and Exploring Engineering	2019	2278-3075	https://www.ijitee. org/wp- content/uploads/papers /v9i1/A4328119119.pdf
6	Thermo Physical Properties of Nanofluids, International Journal of Innovative Technology and Exploring Engineering	Gupta N.K., Ghosh S.K	Department of Mechanical Engineering	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	2278-3075	https://www.ijitee. org/wp- content/uploads/papers /v9i4/D1758029420.pdf
7	Augmentation of the Thermal Efficiency of PTC using CeO2 Nanofluid	Bhardwaj G., Sharma A., Dwivedi V.K.	Department of Mechanical Engineering	International Journal of Engineering and Advanced Technology (IJEAT)	2019	2249–8958	https://www.sciencedirect.com/journal/materials-today-proceedings/vol/18/part/P3
8	A review on the mechanical and thermal properties of graphene and graphene-based polymer nanocomposites: understanding of modelling and MD simulation	Kumar A., Sharma K., Dixit A.R.,	Department of Mechanical Engineering	Molecular Simulation	2019	0892-7022	https://www. tandfonline. com/doi/abs/10. 1080/08927022. 2019.1680844
9	An Experimental Investigation of Thermal Conductivity of TiO2 Nanofluid: Proposing a New Correlation	Singh R.P., Sharma K., Tiwari A.K	Department of Mechanical Engineering	Journal of Scientific & Industyrial Reearch	2019	0975-1084	http://nopr.niscair.res. in/handle/123456789/5 0483

10	Multi-objective optimization design of die-sinking electric discharge machine (EDM) machining parameter for CNT-reinforced carbon fibre nanocomposite using grey relational analysis	Mausam K., Sharma K., Bhardwaj G., Singh R.P	Department of Mechanical Engineering	Journal of the Brazilian Society of Mechanical Sciences and Engineering	2019		https://link.springer. com/article/10. 1007/s40430-019-1850- 4
11	An Evaluation of Current Status of Renewable Energy Sources in India	Kumar. S, Rawat M.K., Gupta S.K	Department of Mechanical Engineering	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	2278-3075	https://energsustainsoc. biomedcentral. com/articles/10. 1186/s13705-019-0232- 1
12	Measurement of dispersion and homogeneity of functionalized graphene CNT hybrid epoxy composite	Shukla M., Sharma K	Department of Mechanical Engineering	SN Applied Sciences	2019		https://www. researchgate. net/publication/335088 780 Measurement of dispersion and homog eneity of functionalize d_grapheneCNT_hybrid epoxy_composite
	Finite Element Analysis of Aluminum Alloy at Many Die Channel Angles Using DEFORM- 3D	Soni A., Gupta S.K	Department of Mechanical Engineering	International Journal of Recent Technology and Engineering (IJRTE)	2019	2277-3878	https://www.researchgate.net/profile/Sanjeev-Gupta-7/publication/33583411 6_Finite_Element_Analysis_of_Aluminium_Alloy_at_Many_Die_Channel_Angle_using_Deform_3_D/links/5d7f2057a6fdcc2f0f7142d8/Finite-Element-Analysis-of-Aluminium-Alloy-at-Many-Die-Channel-Angle-using-Deform-3-

14	Constitutive Analysis of Zr-1Nb Alloy for Different Phase Regions	Saxena K. K., Chetan K., Vaibhav K., Krishna K.V.M., Pancholi V., Jha S.K., Srivastava D	Department of Mechanical Engineering	Materials Performance and Characterization	2019	2379-1365	https://www.astm. org/DIGITAL_LIBRAR Y/JOURNALS/MPC/P AGES/MPC20190020. htm
15	Effect of Carbon Nanofillers on the Mechanical and Interfacial Properties of Epoxy Based Nanocomposites: A Review	Manoj Kumar Shukla & Kamal Sharma	Department of Mechanical Engineering	Polymer Science	2019	0965-545X	https://link.springer. com/article/10. 1134/S0965545X19040 096
16	Effect of functionalized graphene/CNT ratio on the synergetic enhancement of mechanical and thermal properties of epoxy hybrid composite	Shukla M., Sharma K	Department of Mechanical Engineering	Mater. Res. Express	2019	2053-1591	https://iopscience.iop. org/article/10. 1088/2053-1591/ab1cc2
17	Effect of Hot and Cold areas in Accumulative Roll Bonding of Al/ Al2O3 Nanostructure Composites	Singh R.P., Sharma S	Department of Mechanical Engineering	International Journal of Recent Technology and Engineering (IJRTE) Volume-8, Issue-1S5	2019	2277-3878	https://www.ijrte. org/wp- content/uploads/papers/v 8i1S5/A00660681S519. pdf
18	Effect of Filler Materials with Different Cross Sections on the Performance of Dielectric Polymer Actuators	Singh P.K., Sharma K., Singh P.K	Department of Mechanical Engineering	International Journal of Engineering and Advanced Technology (IJEAT) Volume-8	2019	2249-8958	https://www.ijeat. org/wp- content/uploads/papers/v 8i5/E7914068519.pdf
19	Effects of Ceo/H2o Nano Fluid Application on Thermal Performance of Mesh Wick Heat Pipe	Gupta N.K., Verma S.K	Department of Mechanical Engineering	Internatinoal Journal of Innovative Techn ology and Exploring Engineering (IJITEE)	2019	2278-3075	https://www. researchgate. net/publication/3347715 25_Effects_of_CeoH2o_ Nano_Fluid_Application _on_Thermal_Performa nce_of_Mesh_Wick_He at_Pipe

20	Shape Memory Nano Alloy	Verma S.K., Gupta N.K	Department of Mechanical Engineering	Internatinoal Journal of Innovative Techn ology and Exploring Engineering (IJITEE)	2019	2278-3075	https://www.ijitee. org/wp- content/uploads/papers/v 8i7/G5146058719.pdf
21	Car Ecoleasing Encouraging Product Service System with Circular Economy to Help Environmet,Indian Journal of Environmental Protection	Anand S., Chaudhary A.K., Singhal P	Department of Mechanical Engineering	Journal of Environmental Protection	2019	0253-7141	not found
22	Review on Heat and Mass Transfer in Submerged Arc Welding (SAW) and Gas Metal Arc Welding (GMAW)	Sonia P., Paswan M. K., Saxena K.K., Singhal P	Department of Mechanical Engineering	International Journal of Engineering and Advanced Technology (IJEAT)	2019	2249-8958	https://www.ijeat. org/wp- content/uploads/papers/v 8i4/D6511048419.pdf
23	Parametric Appraisal for Surface Roughness of Tool Steel While Turning Using Taguchi Method	Sharma V., Kumar A., Upadhyay V. V	Department of Mechanical Engineering	International Journal of Engineering and Advanced Technology (IJEAT)	2019	2249-8958	https://www. researchgate. net/publication/3344582 11_Parametric_appraisal _for_surface_roughness _of_tool_steel_while_tu rning_using_taguchi_me thod
24	Experimental Investigation of the Mechanical Properties and Microstructure of AA 7075-T6 during Underwater Frictionstir Welding Process	Shahbuddin, Dwivedi V. K., Sharma A	Department of Mechanical Engineering	International Journal of Engineering and Advanced Technology (IJEAT)	2019	2249-8958	https://www.ijeat. org/wp- content/uploads/papers/v 8i4/D6610048419.pdf

25	A review of the mechanical and thermal properties of graphene and its hybrid polymer nanocomposites for structural applications		Department of Mechanical Engineering	Journal of Materials Science	2019	0892-7022	https://www.researchgate.net/publication/3366952 55_A_review_on_the_mechanical_and_thermal_properties_of_graphene_and_graphene-based_polymer_nanocomposites_understanding_of_modelling_and_MD_simulation
	Nusselt Number Optimization for DPSAH Having Inclined and Transverse Ribs as Roughness Element using Genetic Algorithm	Sharma H.K., Bhardwaj G., Sharma A	Department of Mechanical Engineering	International Journal of Innovative Technology and Exploring Engineering (IJITEE) International	2019	2278-3075	https://www.ijitee. org/wp- content/uploads/papers/v 8i6/F3462048619.pdf
27	Analysis of Heat Energy Transfer and Friction Characteristics for Turbulent Flow in a Copper Tube with Various Inserts	Vashisth C., Kukreja N., Singh R.P	Department of Mechanical Engineering	Journal of Recent Technology and Engineering (IJRTE)	2019	2277 – 3878	https://www.ijrte. org/wp- content/uploads/papers/v 7i6/F2493037619.pdf
28	Teaching-Learning based Optimization (TLBO) for the Process Parameters During Turning of Die Steel	Upadhyay V. V., Kumar A., Sharma V	Department of Mechanical Engineering	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	2249 – 8958	https://iopscience.iop. org/article/10. 1088/1757- 899X/149/1/012022
29	Comparative Study of Microstructural and Mechanical properties of Aluminium Alloy AA6062 on FSW and TIGW Processes	Sharma A., Dwivedi V. K.	Department of Mechanical Engineering	International International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	2278-3075	https://www.ijitee. org/wp- content/uploads/papers/v 8i5/D2842028419.pdf

30	Implementation of fuzzy technique in the prediction of sample demands for industrial lubricants	30. Sharma R., Singhal P	Department of Mechanical Engineering	International International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	2249 – 8958	https://www.ijitee. org/wp- content/uploads/papers/v 8i5/E2937238519.pdf
31	Nano-Microstructural Characterization of Inconel-718 with Thermal- Barrier Coatings after thermal shock tests	Vibha., Dwivedi V. K., Kumar D	Department of Mechanical Engineering	International International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	2249 - 8958	https://www.researchgate.net/publication/3320348 90_Nano-microstructural_characterization_of_INCONEL-718_with_thermal-barrier_coatings_after_thermal_shock_tests
32	Effect of Plain Shear Velocity Profile over a Streamline Cylinder	Rawat M.K., Gupta S.K	Department of Mechanical Engineering	International Journal of Engineering and Advanced Technology (IJEAT)	2019	2249 – 8958	https://www. researchgate. net/publication/3314409 00_Effect_of_plane_she ar_velocity_profile_over a streamline cylinder
	Advanced Energy Storage Technique and its Conversion	Kukreja N., Vatsa P	Department of Mechanical Engineering	International Journal of Engineering and Advanced Technology (IJEAT),	2019	2249 – 8958	https://www.ijeat. org/wp- content/uploads/papers/v 8i3/C5908028319.pdf
34	Study of Mechanical Properties and Change in Microstructure of Alloy Steel EN24 under various Heat Treatment Process	Sharma D., Pandey A	Department of Mechanical Engineering	International Journal of Engineering and Advanced Technology (IJEAT)	2019	2249 – 8958	https://www.ijeat. org/wp- content/uploads/papers/v 8i3/C5894028319.pdf

35	Effect of speed on various machinability criteria in dry turning of nickel–iron–chromium-based superalloy	Gandhi A., Abhishek K., Kumari S	Department of Mechanical Engineering	Advances in Intelligent Systems and Computing	2019		https://www.researchgate.net/publication/3279668 91_Effect_of_Speed_on_Various_Machinability_Criteria_in_Dry_Turning_of_Nickel-Iron-Chromium-Based_Superalloy_Proceedings of ICIIF 2018
36	Numerical solution of load-bearing capacity of journal bearing using shape function	Pathak P., Dwivedi V. K., Sharma A	Department of Mechanical Engineering	Lecture Notes in Mechanical Engineering Springer	2019		https://www. researchgate. net/publication/3296274 37_Numerical_Solution _of_Load- Bearing_Capacity_of_Jo urnal_Bearing_Using_S hape_Function_Select_P roceedings_of_NHTFF_ 2018
37	Enhanced Dispersion and Tensile Properties of Graphene/CNT Epoxy Composites by Varying the Filler Ratio Microstructure and Elemental Investigation of Graphene/ CNT Epoxy Composite	Shukla M.K., Sharma K Shukla M.K., Sharma K	Department of Mechanical Engineering Department of Mechanical Engineering	International Journal of Innovative Technology and Exploring Engineering (IJITEE) International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	2278-3075	https://www.ijitee. org/wp- content/uploads/papers/v 8i4/D2656028419.pdf https://www.ijitee. org/wp- content/uploads/papers/v 8i4/D2657028419.pdf

39	Observation of Heat Exchange and Pressure Drop By Using Many Inserts in a Round Tube	Gupta M., Sharma K.	Department of Mechanical Engineering	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	2278-3075	https://www.researchgate.net/publication/3313312 35_Experimental_observation_of_heat_exchange_and_pressure_drop_by_using_many_inserts_in_a_round_tube
40	Experimental Evaluation and Empirical Formulation of Hydraulic Jump Characteristics in Sloping Prismatic Channel	Gupta S.K., Mehta R.C., Singhal P	Department of Mechanical Engineering	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2019	2278-3075	https://www. researchgate. net/publication/3310735 85_Experimental_Evalu ation_and_Empirical_Fo rmulation_of_Hydraulic _Jump_Characteristics_i n_Sloping_Prismatic_C hannel
	Decentralized solar rooftop photovoltaic in India: On the path of sustainable energy security	Rathore, P. K. S., Chauhan, D. S., & Singh, R. P	Department of Mechanical Engineering	Renewable Energy	2019	ISSN: 096 0-1481 (print); 1879-0682 (web)	https://www. researchgate. net/publication/3264537 60_Decentralized_solar_ rooftop_photovoltaic_in _India_On_the_path_of _sustainable_energy_sec urity

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