

### 3.4.5 – Number of research Publications in the Journals notified on UGC website during the year 2016

S.R NO	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal	Impact factor
1	Performance augmentation in flat plate solar collector using MgO/water nanofluid, Energy Conversion and Management	Verma S.K., Tiwari A.K., Chauhan D.S	Department of Mechanical Engineering	Energy Conversion and Management	2016	0196-8904	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0196890416305775">https://www.sciencedirect.com/science/article/abs/pii/S0196890416305775</a>	4.512
2	Stability Analysis of Twin Axial Groove Hybrid Journal Bearing	Dwivedi V.K., Chand S., Pandey K.N.	Department of Mechanical Engineering	Journal of Applied Fluid Mechanics	2016	1735-3645	<a href="https://www.researchgate.net/publication/331514288_Stability_Analysis_of_Twin_Axial_Groove_Hybrid_Journal_Bearing">https://www.researchgate.net/publication/331514288_Stability_Analysis_of_Twin_Axial_Groove_Hybrid_Journal_Bearing</a>	1.4505
3	Effect of variable spacing on performance of plate heat exchanger using nanofluids	Kumar V, Tiwari A.K., Ghosh S.K	Department of Mechanical Engineering	Energy Journal	2016	1735-3646	<a href="https://www.researchgate.net/publication/307583390_Effect_of_variable_spacing_on_performance_of_plate_heat_exchanger_using_nanofluids">https://www.researchgate.net/publication/307583390_Effect_of_variable_spacing_on_performance_of_plate_heat_exchanger_using_nanofluids</a>	7.147
4	Effects of functionalization on the mechanical properties of multiwalled carbon nanotubes: A molecular dynamics approach,	Singh P.K., Sharma K., Kumar A., Shukla M.,	Department of Mechanical Engineering	Journal of Composite Materials	2016		<a href="https://journals.sagepub.com/doi/abs/10.1177/0021998316649781">https://journals.sagepub.com/doi/abs/10.1177/0021998316649781</a>	1.242

5	Development of Nano-Structured Metals Processed by Severe Plastic Deformation	Sharma S., Singh R.P. and Kumar S.,	Department of Mechanical Engineering	, Indian Journal of Science and Technology	2016	ISSN : 2229-8460	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0965977399000616">https://www.sciencedirect.com/science/article/abs/pii/S0965977399000616</a>	
6	Characteristics of Al and Al-Alloy Strips: Processed by Severe Plastic Deformation,	Bonding Sharma S., Singh R.P. and Kumar S	Department of Mechanical Engineering	Journal of Engineering & Technology	2016	ISSN 0923-4748	<a href="https://www.researchgate.net/publication/309624550_Bonding_Characteristics_of_Al_and_Al-Alloy_Strips_Processed_by_Severe_Plastic_Deformation">https://www.researchgate.net/publication/309624550_Bonding_Characteristics_of_Al_and_Al-Alloy_Strips_Processed_by_Severe_Plastic_Deformation</a>	3.588
7	Investigation of coefficient of skin friction and axial velocity of fully developed turbulent flow through pipe,	Gupta S.K., Dwivedi V.K., Sachdeva S., Singh S	Department of Mechanical Engineering	Science & Technology, 2016, 2(7), 312-318The International Quarterly journal,	2016	, ISSN 2394-3750.	<a href="https://www.researchgate.net/publication/320806328_Investigation_of_coefficient_of_skin_friction_and_axial_velocity_of_fully_developed_turbulent_flow_through_pipe">https://www.researchgate.net/publication/320806328_Investigation_of_coefficient_of_skin_friction_and_axial_velocity_of_fully_developed_turbulent_flow_through_pipe</a>	
8	A Review on RAM (Reliability, Availability, and Maintainability) Analysis, its Applications and its Incorporation in the Modern World,	Kaushik S., Singhal P.	Department of Mechanical Engineering	International Journal of Engineering Research in Mechanical and Civil Engineering,	2016	ISSN: 2456-1290	<a href="https://www.osti.gov/servlets/purl/1117172">https://www.osti.gov/servlets/purl/1117172</a>	3.8
9	Prediction of output parameters in wire electrical discharge machining of EN-31 steel by artificial neural networks	Chetan Raj Singh and RudraPratap Singh,	Department of Mechanical Engineering	International Journal of Advanced Technology and Engineering Exploration	2016	ISSN (Print): 2394-5443.	<a href="https://www.accentjournals.org/PaperDirectory/Journal/IJATEE/2016/9/4.pdf">https://www.accentjournals.org/PaperDirectory/Journal/IJATEE/2016/9/4.pdf</a>	

10	Effect of chevron angle on heat transfer performance in plate heat exchanger using ZnO/water nanofluid	Kumar V., Tiwari A.K., Ghosh S.K	Department of Mechanical Engineering	Energy Conversion and Management,	2016	ISSN 2315-7712	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0196890416302333">https://www.sciencedirect.com/science/article/abs/pii/S0196890416302333</a>	8.208
11	Effects of Minimum Quantity Lubrication (MQL) in machining processes using conventional and nanofluid based cutting fluids: A review	Sharma A.K., Tiwari A.K., Dixit A.R	Department of Mechanical Engineering	, Journal of Cleaner Production	2016	ISSN : 0959-6526	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0959652616302293#:~:text=Most%20of%20the%20experimental%20studies,to%20dry%20and%20wet%20machining.">https://www.sciencedirect.com/science/article/abs/pii/S0959652616302293#:~:text=Most%20of%20the%20experimental%20studies,to%20dry%20and%20wet%20machining.</a>	3.844
12	Rheological Behaviour of Nanofluids: A Review, Renewable & Sustainable Energy Reviews	Sharma A.K., Tiwari A.K.,Dixit A.R.,	Department of Mechanical Engineering	Renewable and Sus	2016	1364-0321 ISSN	<a href="https://www.sciencedirect.com/science/article/abs/pii/S1364032115010035">https://www.sciencedirect.com/science/article/abs/pii/S1364032115010035</a>	7.445
13	Experimental investigation of heat transfer and pressure drop in a circular tube with multiple inserts	Vashistha C., Patil A. K., Kumar M	Department of Mechanical Engineering	Applied Thermal Engineering,	2016	ISSN: 1359-4311	<a href="https://www.semanticscholar.org/paper/Experimental-investigation-of-heat-transfer-and-in-Vashistha-Patil/62a8207f8df9b12ec5c2dbdc6e07836dc466480d">https://www.semanticscholar.org/paper/Experimental-investigation-of-heat-transfer-and-in-Vashistha-Patil/62a8207f8df9b12ec5c2dbdc6e07836dc466480d</a>	5.29

14	Heat Transfer and Friction Factor Correlation Development for Double Pass Solar Air Heater Having V-Shaped Ribs as Roughness Elements, Experimental Heat Transfer	Sharma A., Bharadwaj G., Varun	Department of Mechanical Engineering	A Journal of Thermal Energy Generation, Transport, Storage, and Conversion	2016	ISSN 1543 - 5075,	<a href="https://www.tandfonline.com/doi/abs/10.1080/08916152.2016.1161676?journalCode=ueht20">https://www.tandfonline.com/doi/abs/10.1080/08916152.2016.1161676?journalCode=ueht20</a>	4.058
15	Mechanical Anisotropy of Aluminium AA1050 and Aluminium Alloy AA6016 produced by Accumulative Roll Bonding	Sharma S., Singh R.P., Kumar S	Department of Mechanical Engineering	International Journal of Innovation in Engineering and Technology	2016	ISSN: 2394-3696	<a href="https://www.researchgate.net/publication/26850559_Texture_and_Mechanical_Anisotropy_of_Ultrafine-Grained_Aluminum_Alloy_AA6016_Produced_by_Accumulative_Roll_Bonding">https://www.researchgate.net/publication/26850559_Texture_and_Mechanical_Anisotropy_of_Ultrafine-Grained_Aluminum_Alloy_AA6016_Produced_by_Accumulative_Roll_Bonding</a>	
16	., Dissipation index and efficiency of free hydraulic jump in horizontal prismatic channel: an experimental approach, Discovery Engineering	Gupta S.K., Dwivedi V.K	Department of Mechanical Engineering	Discovery Engineering, 2016, 4(12), 245-251	2016	ISSN 2320–6675EISSN 2320–6853	<a href="https://www.researchgate.net/publication/236618150_Modeling_of_Dissipation_Index_and_Efficiency_of_Hydraulic_Jump_in_Sloping_Prismatic_Channels">https://www.researchgate.net/publication/236618150_Modeling_of_Dissipation_Index_and_Efficiency_of_Hydraulic_Jump_in_Sloping_Prismatic_Channels</a>	
17	Rule Based Optimization in Machining of Inconel 718,	Kumari S., Pardeep	Department of Mechanical Engineering	Journal of Material Science and Mechanical Engineering	2016	-ISSN: 2393-9109		

18	Bending behavior of Orthotropic Skew Plate subjected to Point Load,	Singh J., Suman K.S., Kumari S	Department of Mechanical Engineering	INTERNATIONAL JOURNAL OF INNOVATIVE RESEARCH IN TECHNOLOGY	2016	ISSN: 2349-6002.	<a href="https://www.researchgate.net/publication/325385659_Bending_Behavior_of_Simply_Supported_Skew_Plates">https://www.researchgate.net/publication/325385659_Bending_Behavior_of_Simply_Supported_Skew_Plates</a>	
19	Microstructure Evolution During Hot Deformation of a Micro-Alloyed Steel,	MandalG.K., RajinikanthV., Kumar S., Mishra D., MisraS., Srivastava V.C., Ghosh ChowdhuryS	Department of Mechanical Engineering	Transaction Indian Institution of Metals	2016	Print ISSN 0972-2815	<a href="https://www.infona.pl/resource/bwmeta1.element.springer-doi-10_1007-S12666-016-0895-7">https://www.infona.pl/resource/bwmeta1.element.springer-doi-10_1007-S12666-016-0895-7</a>	1.49
20	Evaluation of mechanical properties of single-walled carbon nanotube/HDPE-P5300 composites using molecular dynamics	Tyagi S., Dwivedi V.K., Sharma K.,	Department of Mechanical Engineering	Advanced Material Manufacturing & Characterization	2016	0972-2815	<a href="https://www.researchgate.net/publication/301660506_Evaluation_of_mechanical_properties_of_single-walled_carbon_nanotubeHDPE-P5300_composites_using_molecular_dynamics">https://www.researchgate.net/publication/301660506_Evaluation_of_mechanical_properties_of_single-walled_carbon_nanotubeHDPE-P5300_composites_using_molecular_dynamics</a>	

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