



MADHAV INSTITUTE OF TECHNOLOGY & SCIENCE, GWALIOR (M.P.), INDIA

माधव प्रौद्योगिकी एवं विज्ञान संस्थान, ग्वालियर (म.प्र.), भारत

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Department of Mechanical Engineering

Publications in SCI/ SCIE/ESCISCOPUS/UGC Indexed Journals (2019-2020)

S.No.	Title of paper	Name of the author/s	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
						Link to website of the Journal	Link to article/paper/abstract of the article	SCI/SCIE/ESCISCOPUS/UGC Indexed Journals
1	Preliminary Evaluations on Development of Recycled Porcelain Reinforced LM-26/Al-Si10Cu3Mg1 Alloy for Piston Materials	Dev Sanni, Aherwar, Amit, Patnaik, Amar	Silicon	2018	1876-990X	https://www.springer.com/journal/12633	10.1007/s12633-018-9979-9	SCIE
2	Evaluation of Copper-Based Alloy (C93200) Composites Reinforced with Marble Dust Developed by Stir Casting under Vacuum Environment	Rajak Santosh Kumar, Aherwar, Amit, Unune, Deepak Rajendra, Mia Mozammel, Pruncu Catalin I	Materials	2019	1996-1944	https://www.mdpi.com/journal/materials	10.3390/ma12101574	SCIE
3	Effect of Molybdenum Content on Structure and Properties of a Co-Cr Biomedical Alloy	Aherwar Amit, Patnaik Amar, Bahraminasab Marjan	Journal of Materials Engineering and Performance	2019	1059-9495	https://www.springer.com/journal/11665	10.1007/s11665-019-04356-w	SCIE
4	Optimum selection of novel developed implant material using hybrid entropy-PROMETHEE approach	Aherwar A, Singh T, Singh A, Patnaik A, Fekete G	Material Science and Engineering Technology	2019	2670836	https://onlinelibrary.wiley.com/journal/15214052	10.1002/mawe.201800088	SCIE
5	Progress in hybrid greenhouse solar dryer (HGSD): A review	Singh Pushpendra, Gaur Manoj K, Kushwah	ADVANCES IN ENERGY	2019	2287-6316	http://www.koreascience.or.kr/journal/E	10.12989/eri.2019.6.2.145	Web of science

		Anand, Tiwari G. N.	RESEARCH			1TPAF.page		
6	Experimental Investigation of Physical and Tribological Properties of Engine Oil with Nano-particles Additive	Gaur Manoj K, Singh Sumeet K, Sood Akash, Chauhan Dharamveer S	ADVANCES IN DESIGN, SIMULATION AND MANUFACTURING	2019	2195-4356	https://link.springer.com/book/10.1007/978-3-319-93587-4	10.1007/978-3-319-93587-4_27	Conference
7	Development of empirical relations to compute the heat transfer coefficients for distiller operating in different operating modes	Gaur M. K., Tiwari G. N., Singh Pushendra, Kushwah Anand	DESALINATION AND WATER TREATMENT	2019	1944-3986	https://www.tandfonline.com/journals/tandwt20	10.5004/dwt.2019.24235	Web of science
8	A mini review: Polymer-matrix nanocomposites and its synthesis techniques	Bhatia Pallav, Pachauri Aman, Sood Akash, Gaur Manoj K.	ADVANCES IN BASIC SCIENCES	2019	1476-4687	https://www.nature.com/articles/2151206c0	10.1063/1.5122560	Conference
9	Selection of best classification algorithm for fault diagnosis of bearing using vibration signature analysis	Agrawal, P., Jayaswal, P.	International Journal of Innovative Technology and Exploring Engineering	2019	2278-3075	https://www.ijitee.org/	https://www.ijitee.org/wp-content/uploads/papers/v8i5/E3181038519.pdf	Scopus
10	Modeling and Simulation of Al6082 MMC of Gravity Die Casting for Solidification Time	Pal, H., Kasdekar, D.K., Agrawal, S.	Advances in Intelligent Systems and Computing	2019	2194-5365	https://www.springer.com/series/11156	https://link.springer.com/chapter/10.1007/978-981-13-5934-7_13	Other
11	Simultaneous Optimization of MIG Welding Process Parameters Using Taguchi with Principle Component Analysis	Priyanka Arya, C. S. Malvi	Journal of Experimental & Applied Mechanics	2019	2321-516X	http://stmjournals.com/Journal-of-Experimental-and-Applied-Mechanics.html	https://doi.org/10.37591/joeram.v10i3.3442	UGC Care
12	A Computational Study of NOx Emissions for Methane-Air Combustion Using Eddy-Dissipation Model	Sonal Rajoria; Swati Gupta; M K Gaur; C S Malvi	Journal of Thermal Energy Systems	2019	2582-5747	https://matjournals.com/Journal-of-Thermal-Energy-Systems.html	10.5281/zenodo.3339080	Other

13	A mini review: Polymer-matrix nanocomposites and its synthesis techniques	Pallav Bhatia, Aman Pachauri, Akash Sood, Manoj K. Gaur	AIP Conference Proceedings	2019	-	https://aip.scitation.org/journal/apc	10.1063/1.5122560	Web of science
14	Comparing the thermal performance of ancient buildings and modern-style housing constructed from local and modern construction materials	R.K. Pandit, M.K. gaur, Anand Kushwa, Pushpendra Singh	Nanotechnology Perceptions	2019	1660-6795	https://www.nano-ntp.com/	10.4024/N12PA19L.ntp.15.02	Scopus
15	Optimization of TIG Welding Process Parameters of Ss 304 By Taguchi Method and Grey Relation Analysis	Sameer Sharma, Vedansh Chaturvedi, Jyoti Vimal	Journal of Production Research & Management	2019	2249-4766	http://stmjournals.com/Journal-of-Production-Research-and-Management.html	10.37591/joprm.v9i3.3518	Other
16	Parametric Optimization of CNC Wire Cut EDM for Oil Harden Non-Shrinking Steel: A Comparative Study	Vedansh Chaturvedi, Anil Kumar Sharma	Journal of Material & Metallurgical Engineering	2019	2231-3818	http://stmjournals.com/index.php?journal=jomme	https://engineeringjournals.stmjournals.in/index.php/JoMME/article/view/2258	UGC Care
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