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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 (2017-2018)

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	Fault analysis in self-aligning ball bearing by wavelet transform based feature extraction using neural networks	Dr. Pratesh Jayaswal	International journal of engineering sciences & research technology	2017	2277-9655	http://www.ijesrt.com/	10.5281/zenodo.829767	UGC Care
2	Fault Identification by Wavelet Feature Extraction in Self Aligning Bearing using Neural Network	Dr. Pratesh Jayaswal	Trends in Mechanical Engineering and Technology	2017	2347-9965	http://stmjournals.com/Recent-Trends-in-Mechanical-Engineering-and-Technology.html	http://www.ijesrt.com/issues%20pdf%20file/Archive-2017/July-2017/71.pdf	UGC Care
3	Optimization of machining parameters of hard porcelain on a CNC machine by Taguchi and RSM method	Dr. M.K. Gaur	International Journal of Engineering, Science and Technology	2018	2141-2839	https://www.ajol.info/index.php/ijest	10.4314/ijest.v10i1.2	Other
4	Recent Advancement , Applications and Performance Study of Various Types of Solar Dryers	Dr. M.K. Gaur	Conference: Smart Technologies for Green and Sustainable Future (STGSF-2017) At: MANIT Bhopal	2017	-	http://www.manit.ac.in/content/stgsf-december-2017	https://www.researchgate.net/publication/329587733_RECENT_ADVANCEMENT_APPLICATIONS_AND_PERFORMANCE_STUDY_OF_VARIOUS_TYPES_OF_SOLAR_DRYERS	Conference
5	Exergy analysis of evacuated tube solar collectors: a review	Dr. M.K. Gaur	International Journal of Exergy	2018	1742-8300	International Journal of Exergy	10.1504/IJEX.2018.088887	Web of science
6	Experimental investigation of heat removal factor in solar flat plate collector for various flow configurations	Dr. M.K. Gaur	International journal of green energy	2017	1543-5075	https://www.tandfonline.com/journals/lige20	10.1080/15435075.2016.1268619	Web of science
7	Experimental investigation of heat removal factor in solar flat plate collector for various flow configurations	Dr. C S Malvi	International journal of green energy	2017	1543-5075	https://www.tandfonline.com/journals/lige20	10.1080/15435075.2016.1268619	Web of science

8	Design, Simulation and Economic Analysis of on Grid Solar PV System for Educational Institute in North India	Dr. C S Malvi	Journal of Alternate Energy Sources and Technologies	2018	2321-5186	http://stmjournals.com/index.php?journal=JoAEST	10.37591/joest.v8i2.320	UGC Care
9	Optimization of machining parameters of hard porcelain on a CNC machine by Taguchi and RSM method	Dinesh Kumar Kasdekar	International Journal of Engineering, Science and Technology	2018	2141-2839	https://www.ajol.info/index.php/ijest	10.4314/ijest.v10i1.2	Other
10	Optimization of machining parameters of hard porcelain on a CNC machine by Taguchi and RSM method	Sharad Agrawal	International Journal of Engineering, Science and Technology	2018	2141-2839	https://www.ajol.info/index.php/ijest	10.4314/ijest.v10i1.2	Other
11	Selection of the Best Belt Conveyor using AHP	Vaibhav Shivhare	European Journal of Advances in Engineering and Technology	2017	2394 - 658X	www.ejaet.com	https://ejaet.com/PDF/4-2/EJAET-4-2-129-134.pdf?_ga=2.179439524.1849937604.1652275723-371608376.1652275723	Other
12	Modeling the wire-EDM process parameters for EN-8 carbon steel using artificial neural networks	Dr. M. K. Sagar	International Journal of Engineering, Science and Technology	2017	2141-2839	https://www.ajol.info/index.php/ijest/index	10.4314/ijest.v9i2.3	Other
13	Multi responses optimization of wire EDM process parameters using Taguchi approach coupled with principal component analysis methodology	Dr. Jyoti Vimal	International Journal of Engineering, Science and Technology	2017	2141-2839	https://www.ajol.info/index.php/ijest/index	10.4314/ijest.v9i2.6	Other
14	Performance of Box-Behnken and prediction model are compared with Al-Nano MMC to maximize the MRR	Dinesh Kumar Kasdekar	Materials Today: Proceedings	2017	2214-7853	https://www.sciencedirect.com/journal/materials-today-proceedings	10.1016/j.matpr.2017.02.202	Scopus
15	Selection of the Best Belt Conveyor using AHP	Dinesh Kumar Kasdekar	European Journal of Advances in Engineering and Technology	2017	2394 - 658X	www.ejaet.com	https://ejaet.com/PDF/4-2/EJAET-4-2-129-134.pdf?_ga=2.179439524.1849937604.1652275723-371608376.1652275723	Other
16	Artificial neural network models for the prediction of MRR in Electro-chemical machining	Dinesh Kumar Kasdekar	Materials Today: Proceedings	2018	2214-7853	https://www.journals.elsevier.com/materials-today-proceedings	10.1016/j.matpr.2017.11.146	Scopus
17	Mathematical and Prediction Modeling of Material Removal Rate for Evaluating the Effects of Process Parameters	Dinesh Kumar Kasdekar	Springer, Singapore	2018	2194-5365	https://www.springer.com/series/11156	10.1007/978-981-10-7386-1_44	Conference
18	Principal component analysis to optimize the ECM parameters of Aluminium alloy	Dinesh Kumar Kasdekar	Materials Today: Proceedings	2018	2214-7853	https://www.journals.elsevier.com/materials-today-proceedings	10.1016/j.matpr.2017.12.126	Scopus
19	Preliminary evaluations on development of new materials for hip joint femoral head	Dr. Amit Aherwar	Proc IMechE Part L: J Materials: Design and Applications	2017	1464-4207	https://journals.sagepub.com/doi/abs/10.1177/1464420717714495?journalCode=pila	10.1177/1464420717714495	Web of science
20	Prediction of effect of tungsten filled Co-30Cr-4Mo-1Ni metal matrix biomedical composite alloy on sliding wear peculiarity using Taguchi methodology and ANN	Dr. Amit Aherwar	Advances in Materials and Processing Technologies.	2017	2374-068X	https://www.tandfonline.com/doi/abs/10.1080/2374068X.2017.1366104?journalCode=tmpt20	10.1080/2374068X.2017.1366104	Web of science

21	Biocompatibility evaluation and corrosion resistance of tungsten added Co-30Cr-4Mo-1Ni alloy	Dr. Amit Aherwar	Bio-Medical Materials and Engineering	2017	9592989	https://pubmed.ncbi.nlm.nih.gov/29171973/	10.3233/BME-171706	Web of science
22	A study on mechanical behavior and wear performance of a metal-metal Co-30Cr biomedical alloy with different molybdenum addition and optimized using Taguchi experimental design	Dr. Amit Aherwar	Journal of the Brazilian Society of Mechanical Sciences and Engineering	2018	1806-3691	https://link.springer.com/article/10.1007/s40430-018-1107-7	10.1007/s40430-018-1107-7	Web of science
23	Mechanical and wear performance evaluation of tungsten added Co-30Cr-4Mo-1Ni biomedical alloy with Taguchi optimization	Dr. Amit Aherwar	Materialwiss. Werkstofftech	2018	1521-4052	https://onlinelibrary.wiley.com/doi/abs/10.1002/mawe.201700063	10.1002/mawe.201700063	Web of science
24	Models and Real Time Simulation are theWay of Effective Learning	Vishrant Mishra, Ravi Kushwaha, Dr. C.S. Malvi	International Journal of Scientific & Engineering Research,	2017	2229-5518	https://www.ijser.org/	https://www.researchgate.net/publication/327338432_Models_and_Real_Time_Simulation_are_the_Way_of_Effective_Learning	Other
25	MULTI OBJECTIVE OPTIMIZATION IN TURNING PARAMETERS OF AL 6463 USING PRINCIPAL COMPONENT ANALYSIS	Suneel Kumar Rathore, Jyoti Vimal	JOURNAL OF MATERIALS & METALLURGICAL ENGINEERING	2017	2231-3818	http://stmjournals.com/index.php?journal=JoMME&page=index	http://stmjournals.com/index.php?journal=JoMME&page=article&op=view&path%5B%5D=8481	UGC Care
26	Multi responses optimization of wire EDM process parameters using Taguchi approach coupled with principal component analysis methodology	Anil Kumar Dhakad, Jyoti Vimal	International Journal of Engineering, Science and Technology	2017	2141-2839	https://www.ajol.info/index.php/ijest/article/view/156684	10.4314/ijest.v9i2.6	Other
27	Tensile Behavior of Cast AA6082 Reinforced ParticleMetal Matrix Composite	Shashank Agrawal, Dinesh Kumar Kasdekar, Sharad Agrawal	Journal of Materials & Metallurgical Engineering	2017	2231-3818	http://stmjournals.com/index.php?journal=JoMME&page=article&op=view&path%5B%5D=8484	https://engineeringjournals.stmjournals.in/index.php/JoMME/article/view/2154	UGC Care