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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 (2021-2022)

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	A review on properties of magnesium-based alloys for biomedical applications	Pradeep Kumar Rout, Sudesna Roy, Sourav Ganguly and Dinesh Kumar Rathore	Biomedical Physics & Engineering Express	2022	2057-1976	https://iopscience.iop.org/journal/2057-1976	https://iopscience.iop.org/article/10.1088/2057-1976/ac6d81/meta	Web of science
2	Experimental investigation of Effect of Dust Accumulation and Discoloration on Photovoltaic Panel Material	Deepak, CS Malvi	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	2022	15567230	https://www.tandfonline.com/journals/ueso20	https://www.researchgate.net/publication/360448340_Experimental_investigation_of_Effect_of_Dust_Accumulation_and_Discoloration_on_Photovoltaic_Panel_Material	Web of science
3	Performance-enhancing and improvement studies in a 210 kW Rooftop Solarphotovoltaic Plant by	Deepak, CS Malvi	Ambient Science	2022	23485191	https://www.caves.res.in/journal.php	10.21276/ambi.2022.09.1.ta04	Web of science

	Manual Cleaning							
4	Effect of Drying Area on Heat Transfer Coefficient and Drying Kinetics of High Moisture Crop Dried in Hybrid Active Greenhouse Solar Dryer	Pushendra Singh, M.K. Gaur, C.S. Malvi	Heat Transfer Research	2022	1064-2285	https://www.begellhouse.com/journals/heat-transfer-research.html	10.1615/HeatTransferRes.2022040797	Web of science
5	Comprehensive review on Advanced Cooling Techniques for Photovoltaic Panel	Sampurna Panda; Manoj Gupta; Cs Malvi; Babita Panda; Chitralkha Jena; Lipika Nanda; Arjyadhara Pradhan	IEEE XPLORE	2022	-	https://ieeexplore.ieee.org/Xplore/home.jsp	10.1109/PARC52418.2022.9726538	Scopus
6	Urban physics and outdoor thermal comfort for sustainable street canyons using ANN models for composite climate	Rishika Shah, R.K. Pandit, M.K.Gaur	Alexandria Engineering Journal	2022	1110-0168	https://www.journals.elsevier.com/alexandria-engineering-journal	10.1016/j.aej.2022.04.024	Web of science
7	Application of ANN and prediction of drying behavior of mushroom drying in side hybrid greenhouse solar dryer: An experimental validation	Anand Kushwah, M.K. Gaur, Anil Kumar, Pushendra Singh	Journal of Thermal Engineering	2022	2148-7847	https://eds.yildiz.edu.tr/journal-of-thermal-engineering	10.18186/thermal.11086189	Web of science
8	Drying kinetics, performance, and quality assessment for banana slices using heat pump–assisted drying system (HPADS)	Anand Kushwah, Anil Kumar, Manoj Kumar Gaur	Journal of Food Process Engineering	2022	1745-4530	https://onlinelibrary.wiley.com/journal/17454530	10.1111/jfpe.13964	Web of science
9	Application of Response Surface Methodology (RSM) in optimization of Surface Modification using Friction Stir Processing	Shashikant Sharma, M. K. Gaur	International Journal for Research	2022	2321-9653	http://ijrjournal.com/index.php/ijr	https://www.ijraset.com/research-paper/application-of-response-surface-methodology-in-optimization-of-surface-modification	Other
10	Experimental Study on Natural and Forced Convection Hybrid Active Greenhouse Solar Drying of Mushroom	Anand Kushwah, M.K.Gaur, Pushendra Singh, Vikas Thakur	Electronic Journal of Energy & Environment	2022	2641-9947	https://publons.com/journal/216692/electronic-journal-of-energy-	10.28933/gjee-2019-11-2606	Other

						environment/		
11	Mango leather (Aam Papad) drying in hybrid greenhouse solar dryer with evacuated tube collector and finned drying tray: Drying behavior and Economic analysis	Amit Shrivastava, M.K. Gaur, Pushpendra Singh	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	2022	15567230	https://www.tandfonline.com/doi/full/10.1080/15567036.2022.2029974	10.1080/15567036.2022.2029974	Web of science
12	A review on thermal analysis of hybrid greenhouse solar dryer (HGSD)	Pushpendra Singh, M.K. Gaur	Journal of Thermal Engineering	2022	2148-7847	https://eds.yildiz.edu.tr/journal-of-thermal-engineering	10.18186/thermal.1.1067047	Web of science
13	Optimal Design Based on Fabricated SiC/B4C/Porcelain Filled Aluminium Alloy Matrix Composite Using Hybrid AHP/CRITIC-COPRAS Approach	Aherwar, A., Pruncu, C.I. & Mia, M	Silicon	2022	1876990X	https://www.springer.com/journal/12633	10.1007/s12633-020-00916-1	Web of science
14	Optimization of heat affected zone in laser cutting of Kevlar-29 fiber composite using hybrid response surface based grey wolf optimization (RGSWO) algorithm	Akansha Prajapati, Gavendra Norkey, Girish D Gautam	PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART C-JOURNAL OF MECHANICAL ENGINEERING SCIENCE	2022	0954-4062	https://journals.sagepub.com/home/pic	10.1177/095440622211096557	Web of science
15	Alternating current losses in superconducting circular/stacked coils used in energy storage systems	Abhinav Kumar, Seepan, Praveen Kumar, Ashish Agrawal, Vladimir Ivanovich Velkin	Journal of Energy Storage	2022	2352-152X	https://www.journals.elsevier.com/journal-of-energy-storage	10.1016/j.est.2021.103721	Web of science