

SINHGAD TECHNICAL EDUCATION SOCIETY SINHGAD COLLEGE OF ENGINEERING

(Approved by AICTE, Recognized by Government of Maharashtra, Affiliated to Savitribai Phule Pune University)
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Department of Mechanical Engineering

PUBLICATIONS

CAY 2023-24					
SN	Title of paper	Author	Name of journal	Indexing	DOI
1	An Improved Gaussian Procedure Regression-founded Predicting Prototype for COVID-19 Eruption and Implication of IoT for its Recognition	Dhananjay V. Khankal, Dr. MahendraTulshiramJagtap, Ipseetza Nanda, Sachin S. Pund, Nimisha, D. Chandrasekhar rao	International Journal of Intelligent Systems and Applications in Engineering	Scopus	https://ijisae.org/index.php/IJISAE/issue/view/99
2	Electrifying The Future: A Comprehensive Review of The Environmental Impact of Electric Vehicles on Our Ecosystem	Dr. DhananjayKhankal, Dr. Amar Pandhare, KomalGarse, ShravaniPhule, ShridharLimaye, SanchitDhotre	The Seybold Report	Scopus	https://seyboldreport.org/article/overview?id=MDgyMDIzMDQxMjU5NDY1NjMy
3	Analysis of Critical Diseases from ECG Signal Using Hybrid CNN and LSTM	Dr. Dhananjay V. Khankal, Leena Chaudhary, Dr. Dhananjay E. Upasani, Swati Gawhale, JabiRatna Raja Kumar, Nishant A. Upadhye	International Journal of Intelligent Systems and Applications in Engineering	Scopus	https://ijisae.org/index.php/IJISAE/article/view/3246
4	EEG Signal Processing for the Identification of Sleeping Disorder Using Hybrid Deep Learning with Ensemble Machine Learning Classifier	Dr. Dhananjay V. Khankal, Leena Chaudhary, Dr. Dhananjay E. Upasani, Swati Gawhale, JabiRatna Raja Kumar, Vidyabhushan A. Upadhye	International Journal of Intelligent Systems and Applications in Engineering	Scopus	https://ijisae.org/index.php/IJISAE/article/view/3239

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5	Multi-Class Skin Diseases Classification Using Hybrid Deep Convolutional Neural Network	Dr. Dhananjay V. Khankal, Dr. Aradhana A. Deshmukh, Dr. KirtiWanjale, Tushar A. Jadhav, Dr. Ajay D. Diwate, Shashikant V. Athawale	International Journal of Intelligent Systems and Applications in Engineering	Scopus	https://ijisae.org/index.php/IJISAE/article/view/3230/1815
6	An Analytical Performance Evaluation of Intelligent Hot Water Storage Tank for Solar Systems and Applications in Engineering	Tushar A. Jadhav, Mahesh K. Gaikwad, Ajay D. Diwate, Rajesh N. Pote, Abhijit L. Dandavate, Ajay A. Chavan	International Journal of Intelligent systems and Applications in Engineering	Scopus	https://ijisae.org/index.php/IJISAE/article/view/333
7	Enhancing Heart Disease Risk Prediction Accuracy Through Ensemble Classification Techniques	Tushar A. Jadhav, RupaliAtul Mahajan, BalasahebBalkhande, KirtiWanjale, Abhijit Chitre, Sheela NarenHundekari	International Journal of Intelligent systems and Applications in Engineering	Scopus	https://ijisae.org/index.php/IJISAE/article/view/3325
8	Heat transfer and pressure drop analysis of a microchannel heat sink using nanofluids for energy applications	ShekharThakre, Amar Pandhare, Prateek D. Malwe, Naveen Gupta, ChandrakantKothare, Pramod B. Magade, Anand Patel, RadheyShyamMeena, IbhamVeza, Natrayan L. and Hitesh Panchal	DE GRUYTER Kerntechnik	SCI	https://doi.org/10.1515/kern-2023-0034
10	Experimental Assessment of Genset Performance for PCCI-DI Combustion Engine	Dr. A. B. KanasePatil, Dr. T. A. Jadhav	ARAI Journal of Mobility Technology	Google Scholar	https://doi.org/10.37285/ajmt.3.4.6

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SN	Title of paper	Author	Name of journal	Indexing	DOI
1	Assessing the performance of SME and RME biodiesels through combustion simulation for PCCI-DI constant speed engine,	A. B. Kanase-Patil, H. A. Kinikar, S. S. Thipse, and T. A. Jadhav	International Journal of Intelligent Systems and Applications in Engineering	Scopus	https://ijisae.org/index.php/IJISAE/article/view/2942
2	“Multiform weld joint flaws detection and classification by sagacious artificial neural network technique (Jan, 10.1007/s00170-022-10719-w, 2023),	R. V. Patil and Y. P. Reddy	International Journal Of Advanced Manufacturing Technology,	SCI	https://link.springer.com/article/10.1007/s00170-022-10719-w
3	“Correction to: Multiform weld joint flaws detection and classification by sagacious artificial neural network technique	R. V. Patil and Y. P. Reddy	International Journal Of Advanced Manufacturing Technology,	SCI	https://link.springer.com/article/10.1007/s00170-023-10818-2
4	“PCCI-DI combustion simulation for significant reduction of NOX and PM for GENSET engine,”	A. B. Kanase-Patil, H. A. Kinikar, S. S. Thipse, and T. A. Jadhav,	International Journal of Membrane Science and Technology	Scopus	https://cosmoscholars.com/phms/index.php/ijmst/article/view/1200
5	Characterization of nano-mixed PCM for solar cooker application	A. B. Kanase-Patil, C. V. Papade	Materials Today: Proceedings	Scopus	https://www.sciencedirect.com/science/article/abs/pii/S221478532301461X?via%3Dihub
6	Binary salt phase change material for concentrated solar cooker: storage and usages	A. B. Kanase-Patil, C. V. Papade	Energy Sources Recovery Utilization and Environmental Effects	Scopus	https://www.tandfonline.com/doi/full/10.1080/15567036.2022.2096724

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7	Comparative feasibility analysis of an integrated renewable energy system (IRES) for an urban area	AvinashKaldate , AmarsinghKanas e-Patil , AnandBewoor , Ravinder Kumar , ShashikantLokha nde , Mohsen Sharifpur , Seepana Praveen Kumar	Sustainable Energy Technologies and Assessments	SCI	https://doi.org/10.1016/j.seta.2022.102795
8	"Review on Investigation of Tailor Welded Blanks of Dissimilar Aluminum Magnesium Alloys And Hybrid Carbon Composites"	Manoj Madhusudan Joshi	Journal of Polymer and Composites Vol.9(Issue:2)S TM Journals	Web of science	www.stmjournals.com
09	A Review on MPPT Techniques for Wind Energy	Prof. K. M. Garse	YMER	Scopus	www.stmjournals.com
10	Simulation of Air Conditioning system for thermal comfort using Machine Learning Techniques	Dattatray L Bankar, Mr Sandesh K Rasal	GIS Science Journal	Scopus	https://drive.google.com/file/d/1aimnljgYVmQn6Gj8kPVbnecCg3ZPX2pu/view
11	Fea Analysis & Optimization Of Brake Pedal	Mr. Ranjit R. Mali, Prof. K. M. Garse	GIS SCIENCE	Scopus	https://drive.google.com/file/d/1Wtz1dq1Jx_Jcx2OPzZvzDeUAhWRK1DhQ/view
12	Design & Optimization of Small Wind Turbine Blade	Prof. K. M. Garse	YMER	Scopus	https://ymerdigital.com/archives/?cpage=8&issId=%202112
13	Wear and friction analysis of brake pad material using natural hemp fibers	M. Naidu, A. Bhosale, Y. Munde, S. Salunkhe, and H. M. A. Hussein	Polymers (Basel), vol. 15	SCI	https://doi.org/10.3390/polym15010188

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14	Tribological performance of hemp fibre reinforced phenolic composites: a brake pad material	M. Naidu, A. Bhosale, Y. Munde, and I. Siva	International Journal of Surface Science and Engineering	SCI	https://www.inderscience.com/info/inarticle.php?artid=122174
15	Design and Fabrication of Solar Powered Floor Cleaning Machine	Prof. S. S. Kale	International Journal of Research and Analytical Reviews	UGC	http://ijrar.org/viewfull.php?&p_id=IJRAR23B3481
16	Design and Fabrication of Automatic Seed Sowing Machine Using IoT	Prof. S. S. Kale	International Journal of Research and Analytical Reviews	UGC	http://ijrar.org/viewfull.php?&p_id=IJRAR23B3091
17	A Review Of Different Experimental Techniques To Find Mechanical and Formability Characteristics Used For Tailor Welded Blanks	Manoj M. Joshi , Dr. R.S. Hingole	3C Empresa	Web of science	https://3ciencias.com/articulos/articulo/an-experimental-study-on-friction-stir-welding-of-aluminum-magnesium-alloys-for-improved-mechanical-properties-of-tailor-welded-blanks/
18	Review on the Encapsulation, Microencapsulation, and Nano Encapsulation: Synthesis and Applications in the Process Industry for Corrosion Inhibition	Jotiram Gujar, Sanjay Patil and Shriram Sonawane	Current Nanoscience	SCI	http://dx.doi.org/10.2174/1573413719666230223142832
19	Application of HCCI concept for a constant speed diesel genset – A review	Hemant A. Kinikar; Sukrut S. Thipse; A. B. Kanase-Patil	AIP Conference Proceedings	Scopus	https://doi.org/10.1063/5.0115031

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20	Design & Development of Water Bodies Cleaner	ParthJagdishDabi , Tejas Deepak Patil, Dr. T. A. Jadhav, Prof. A. P. Tadamalle	International Research Journal of Innovations in Engineering and Technology	Scopus	https://doi.org/10.47001/IRJIET/2023.703012
21	Tape casting process for fabrication of electrolyte supported solid oxide fuel cell	Mr. T. L. Gilbile`	Ymer Journal	Scopus	https://ymerdigital.com/archives/?cpage=6&issId=%202112
22	Design and Analysis of Dust Collector	T. L. Gilbile, Amar Pandhare, DhananjayKhankal, Nilesh s. Shinde,Mayur G. Sonawane, Sachin D Mhaske , Hrishikesh A. Pharate	Goya Journal	Scopus	https://goyajournal.com/index.php/volume-16-issue-52023/
23	Comparative Analysis of Helical Compression Spring and Carbon/ Epoxy Composite Spring used in Damper by Using FEA	Ranjit R Mali	International Journal of Research Publication and Reviews	Google Scholar	https://ijrpr.com/uploads/V4ISSUE1/IJRPR9321.pdf
CAY 2021-22					
SN	Title of paper	Author	Name of journal	Indexing	DOI
1	Optimal Use of Hybrid Renewable Energy System For Educational Building	Dr. Amarsingh B. KanasePatil, Avinash P Kaldate, Pranali S. Thakare	International Journal of Energy for a Clean Environment	Scopus	10.1615/InterJEnerCleanEnv.2022038566

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2	Tribological performance of Hemp fiber reinforced phenolic composites: A brake pad material	Y. Munde, A. Bhosale, M. Naidu and I. Siva	International Journal of Surface Science and Engineering	SCI	http://dx.doi.org/10.1504/IJSURFSE.2021.10042654
4	A Review on Nanofluids: Synthesis, Stability, and Uses in the Manufacturing Indust	Jotiram G. Gujar, Sanjay S. Patil and Shriram S. Sonawane	Current Nanomaterials	Scopus	http://dx.doi.org/10.2174/2405461507666220630153637
5	Prediction of cavitation inside mini-sac Diesel injector nozzle using computational fluid dynamics	VaibhavBansode, MunnaVerma, Amar Pandhare, SandipShinde	Journal of Mechanical and Energy Engineering	Scopus	https://doi.org/10.30464/jmee.2022.6.1.7
6	Heat transfer study of a double-pass counterflow solar air heater with porous media and multiple C-shaped roughness absorber	Amarsingh B Kanase-Patil, Mohitkumar G Gabhane, Pratik K Kokare	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	SCI	https://doi.org/10.1080/15567036.2022.2035462
7	Review of SCADA-based hybrid renewable energy source integration	Avinash P. Kaldate, Amarsingh B. Kanase-Patil, Shashikant D. Lokhande	International Journal of Spatio-Temporal Data Science	Google scholar	10.1504/IJSTDS.2020.10041138
8	Influence of different biodiesel fuels on the PCCI-DI combustion concept for constant speed genset application	Hemant A Kinikar, A B Kanasepatil and S SThipse	IOP Conf. Series: Earth and Environmental Science	Scopus	10.1088/1755-1315/1042/1/012001

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9	Review of SCADA Based Hybrid Renewable Energy Source Integration	Avinash P. Kaldate, Amarsingh B. Kanase-Patil	International Journal of Spatio-Temporal Data Science	Google scholar	http://dx.doi.org/10.1504/IJSTDS.2021.118778
10	PLC based reomte sanitizer and water dispenser for public	Ananda D. Khade, A. P. Tadamalle	International journal for scientific research and development	Google scholar	http://ijsrd.com/article/IJSRDV10I30484.pdf
11	Design and Fabrication of Pneumatic Power Steering	T. L. Gilbile, A. H. Chavan, S. D. Bhangare, A. P. Bhole, P. D. Pokale	Journal of Recent Trends in Mechanics	Google scholar	http://matjournals.co.in/index.php/JoRTM/article/view/432
12	Automation of magnetic particle inspection machine for performance optimization	Prof. V. N. Kapatkar, ParamTadmalle, ShubhamThopate, PushkarajTatiya	International Advanced Research Journal in Science, Engineering and Technology	Google scholar	https://iarjset.com/wp-content/uploads/2021/06/IARJSET.2021.8602.pdf
13	Simulation Model for Productivity, Production and Cost Improvement in an SME	P.M.Kinge, U. C. Jha	Recent Trends in Industrial and Production Engineering	Springer	https://doi.org/10.1007/978-981-16-3135-1_24
14	Design and Fabrication of Automatic Cow Feeding Machine	R. S. Patil, KshitiPatil, SanketsingPardeshi	International Journal for Research in Applied Science and Engineering Technology	Google scholar	https://doi.org/10.22214/ijraset.2022.42779