

## Journal publications

Title of paper	Name of the author/s	Journal title	Year	ISSN	Link to the recognition in UGC enlistment of the Journal		
					Website of Journal	Link to article	Indexing

### A. Y. 2016-17

Experimental Investigation of Single Cylinder Diesel Engine Using Biodiesel Ethanol Blended Fuels	Jitendra Patil, Sanket Muley, M R Nandgaonkar	International Advanced Research Journal in Science, Engineering and Technology	2016	2394-1588	<a href="https://iarjset.com/">https://iarjset.com/</a>	<a href="http://dx.doi.org/10.17148/IARJSET.2016.31206">http://dx.doi.org/10.17148/IARJSET.2016.31206</a>	UGC
Design and Development of InPipe Inspection Robot	A A Gargade, S S Ohol	American Int Journal of Research in Science, Technology, Engineering & Mathematics	2016	2328-3491	<a href="http://www.iasir.net/">http://www.iasir.net/</a>	<a href="http://iasir.net/AIJRSTEMpapers/AIJRSTEM16-233.pdf">http://iasir.net/AIJRSTEMpapers/AIJRSTEM16-233.pdf</a>	UGC
Development of In-pipe Inspection Robot	A A Gargade, S S Ohol	Journal of Mechanical and Civil Engineering	2016	2278-1684	<a href="http://www.iosrjournals.org">www.iosrjournals.org</a>	<a href="https://doi.org/10.9790/1684-1304076472">https://doi.org/10.9790/1684-1304076472</a>	UGC
Optimizing the Size of a CFRP Patch to Repair a Crack in a Thin Sheet	A R Rasane, P Kumar, MP Khond	The Journal of Adhesion	2016	0021-8464	<a href="https://www.tandfonline.com/toc/gadh20/current">https://www.tandfonline.com/toc/gadh20/current</a>	<a href="https://doi.org/10.1080/00218464.2016.1204236">https://doi.org/10.1080/00218464.2016.1204236</a>	Scopus, SCI Expanded
Performance, Combustion and Emission Analysis of Compression Ignition Engine Fuelled with Blends of Tyre Pyrolysis Oil	Sanket Muley, M R Nandgaonkar	International Journal of Latest Trends in Engineering and Technology	2016	2278-621X	<a href="http://www.ijltet.org">http://www.ijltet.org</a>	<a href="http://dx.doi.org/10.21172/1.74.043">http://dx.doi.org/10.21172/1.74.043</a>	UGC
NOx, soot, and fuel consumption predictions under transient operating cycle for common rail high power density diesel engines	NH Walke, MR Nandgaonkar, NV Marathe	Journal of Combustion	2016		<a href="https://www.hindawi.com/">https://www.hindawi.com/</a>	<a href="https://doi.org/10.1155/2016/1374768">https://doi.org/10.1155/2016/1374768</a>	scopus
Experimental Investigation of Optimum level of Reinforcements within 6061Al Alloy for better Tribological and Mechanical Properties	P. M. Sonawane, M. G. Karnik,	Materials Today: Proceedings	2017	2214-7853	<a href="https://www.sciencedirect.com/journal/materials-today-proceedings">https://www.sciencedirect.com/journal/materials-today-proceedings</a>	<a href="https://doi.org/10.1016/j.matpr.2017.02.215">https://doi.org/10.1016/j.matpr.2017.02.215</a>	Scopus
MATLAB Simulation and Validation of Fluid Properties in the Cross Flow Wet Cooling Tower	N A Rawabawale, S N Sapali	International Review of Mechanical Engineering	2017	1970-8734	<a href="http://www.praiseworthyprize.org/jsm/index.php?journal=ireme&amp;page=index">http://www.praiseworthyprize.org/jsm/index.php?journal=ireme&amp;page=index</a>	<a href="https://doi.org/10.15866/ireme.v11i12.10984">https://doi.org/10.15866/ireme.v11i12.10984</a>	Scopus
Performance Evaluation of a Domestic Refrigerator with a Thermal Storage arrangement Using Propane as a Refrigerant	Niyaj D Shikalgar, S. N. Sapali	Energy Procedia	2017	1876-6102	<a href="https://www.sciencedirect.com/journal/energy-procedia">https://www.sciencedirect.com/journal/energy-procedia</a>	<a href="https://doi.org/10.1016/j.egypro.2017.03.045">https://doi.org/10.1016/j.egypro.2017.03.045</a>	Scopus
Performance Investigation of Natural Refrigerant R290 as a Substitute to R22 in Refrigeration Systems	C. S. Chaudhari, S. N. Sapali	Energy Procedia	2017	1876-6102	<a href="https://www.sciencedirect.com/journal/energy-procedia">https://www.sciencedirect.com/journal/energy-procedia</a>	<a href="https://doi.org/10.1016/j.egypro.2017.03.084">https://doi.org/10.1016/j.egypro.2017.03.084</a>	Scopus
Monolithic compliant slider crank mechanism for motion amplification	S. S. Pardeshi, S. S. Kandhalkar, B. B. Deshmukh	Materials Today: Proceedings	2017	2214-7853	<a href="https://www.sciencedirect.com/journal/materials-today-proceedings">https://www.sciencedirect.com/journal/materials-today-proceedings</a>	<a href="https://doi.org/10.1016/j.matpr.2017.02.007">https://doi.org/10.1016/j.matpr.2017.02.007</a>	Scopus
The role of yield stress on cracked thin panels of aluminum alloys repaired with a FRP patch	P. S. Shinde, V. K. Tripathi, P. Kumar	The Journal of Adhesion	2017	0021-8464	<a href="https://www.tandfonline.com/toc/gadh20/current">https://www.tandfonline.com/toc/gadh20/current</a>	<a href="https://doi.org/10.1080/00218464.2015.1078243">https://doi.org/10.1080/00218464.2015.1078243</a>	Scopus, SCI Expanded
Development of Actively Steerable In-pipe Inspection Robot for Various Sizes	A A Gargade, S S Ohol	AIR '17: Proceedings of the Advances in Robotics	2017	9781-4503-5294	<a href="https://dl.acm.org/doi/proceedings/10.1145/3132446">https://dl.acm.org/doi/proceedings/10.1145/3132446</a>	<a href="https://doi.org/10.1145/3132446.3134893">https://doi.org/10.1145/3132446.3134893</a>	Scopus
Experimental Performance analysis of Refrigerant R 290 for water cooler application.	C. S. Choudhari, S. N. Sapali	International Review of Mechanical Engineering	2017	1970-8734	<a href="http://www.praiseworthyprize.org/jsm/index.php?journal=ireme&amp;page=index">http://www.praiseworthyprize.org/jsm/index.php?journal=ireme&amp;page=index</a>	<a href="https://doi.org/10.15866/ireme.v11i16.12843">https://doi.org/10.15866/ireme.v11i16.12843</a>	Scopus
Numerical and Thermal Analysis of Condensers Applied to Domestic Refrigerator	N. D. Shikalgar, S. N. Sapali	International Review of Mechanical Engineering	2017	1970-8734	<a href="http://www.praiseworthyprize.org/jsm/index.php?journal=ireme&amp;page=index">http://www.praiseworthyprize.org/jsm/index.php?journal=ireme&amp;page=index</a>	<a href="https://doi.org/10.15866/ireme.v11i17.12849">https://doi.org/10.15866/ireme.v11i17.12849</a>	Scopus

Development of a Precision Experimental Setup for a Flexure Based Micro-motion Amplifier	Bhagyesk Deshmukh, Sujit Pardeshi	Smart Innovation, Systems and Technologies	2017	8767-8767	<a href="https://link.springer.com/bookseries/8767">https://link.springer.com/bookseries/8767</a>	<a href="https://doi.org/10.1007/978-981-10-3518-0_67">https://doi.org/10.1007/978-981-10-3518-0_67</a>	Scopus
Experimental Method to Find the Flux and Temperature Distribution on the Flat Receiver of Small Central Receiver System	P. M. Gadhe, S. N. Sapali, G. N. Kulkarni,	International Review of Mechanical Engineering	2017	1970-8734	<a href="http://www.praiseworthyprize.org/jsm/index.php?journal=ireme&amp;page=index">http://www.praiseworthyprize.org/jsm/index.php?journal=ireme&amp;page=index</a>	<a href="https://doi.org/10.15866/ireme.v11i6.12880">https://doi.org/10.15866/ireme.v11i6.12880</a>	Scopus

## A. Y. 2017-18

Investigations of laser microwelding using low power fibre laser for thin 304 stainless steel sheets	VK Haribhakta, Sujit S Pardeshi, Shrikant B Patil	International Journal of Precision Technology	2017	1755-2060	<a href="https://www.inderscienceonline.com/loi/ijptech">https://www.inderscienceonline.com/loi/ijptech</a>	<a href="https://doi.org/10.1504/IJPTTECH.2017.090772">https://doi.org/10.1504/IJPTTECH.2017.090772</a>	Scopus
Performance prediction and validation of a cross-flow wet cooling tower	N A Rawabawale, S. N. Sapali, Nilesh Sonawane	International Journal on Heat and Mass Transfer - Theory and Applications	2017	2533-2309	<a href="https://www.praiseworthyprize.org/jsm/index.php?journal=ireheat&amp;page=index">https://www.praiseworthyprize.org/jsm/index.php?journal=ireheat&amp;page=index</a>	<a href="https://www.praiseworthyprize.org/jsm/ireheat&amp;path%5B%5D=20633">https://www.praiseworthyprize.org/jsm/ireheat&amp;path%5B%5D=20633</a>	Scopus
The role of yield stress on cracked thin panels of aluminium alloys repaired with an FRP patch	P. S. Shinde, P. Kumar, V. K. Tripathi,	The Journal of Adhesion	2017	0021-8464	<a href="https://www.tandfonline.com/toc/gadh20/current">https://www.tandfonline.com/toc/gadh20/current</a>	<a href="http://dx.doi.org/10.1080/00218464.2015.1078243">http://dx.doi.org/10.1080/00218464.2015.1078243</a>	Scopus, SCI Expanded
Use of fin analysis for determination of thermal conductivity of the material	N S Babar, S S Deshmukh, P Dhamgaonkar	International Journal of Engineering and techniques	2017	2395-1303	<a href="http://www.ijetjournal.org">http://www.ijetjournal.org</a>	<a href="http://oaji.net/articles/2017/1992-1515766930.pdf">http://oaji.net/articles/2017/1992-1515766930.pdf</a>	Scopus
CFD ANALYSIS OF PRESSURE CONTROL VALVE USED IN ABS USING FLUID STRUCTURE INTERACTION TECHNIQUE	Vinit Shete, Ketan Parashar, Shashank Borde and M R Nandgaonkar	International Journal of Current Research	2017	0975-833X	<a href="https://www.journalcra.com/">https://www.journalcra.com/</a>	<a href="https://www.journalcra.com/article/%E2%80%9C-cfd-analysis-pressure-control-valve-used-abs-using-fluid-structure-interaction-technique">https://www.journalcra.com/article/%E2%80%9C-cfd-analysis-pressure-control-valve-used-abs-using-fluid-structure-interaction-technique</a>	scopus
Testing of Environment friendly refrigerant R 290 for water cooler application	C. S. Choudhari, S. N. Sapali	International Journal of Engineering Transactions A: Basics	2018	1728-1431	<a href="https://www.ije.ir/article_73104.html">https://www.ije.ir/article_73104.html</a>	<a href="https://www.ije.ir/">https://www.ije.ir/</a>	Scopus, Emerging SCI
Multiphase Flow Analysis of Hydrodynamic Journal Bearing using Coupled Field Fluid-Structure Interaction considering Cavitation	Dinesh Dhande, D. W. Pande	Journal of King saud University: Engineering	2018	1018-3639	<a href="https://www.sciencedirect.com/journal/journal-of-king-saud-university-engineering-sciences">https://www.sciencedirect.com/journal/journal-of-king-saud-university-engineering-sciences</a>	<a href="https://doi.org/10.1016/j.jksues.2016.09.001">https://doi.org/10.1016/j.jksues.2016.09.001</a>	Scopus
Effects of tangential and radial velocity on fluid flow and heat transfer for flow through pipe with twisted tape insert—laminar flow	Chaware Parag Sewatkar C.M.	Sadhana	2018	0973-7677	<a href="https://www.springer.com/journal/112046">https://www.springer.com/journal/112046</a>	<a href="https://doi.org/10.1007/s12046-018-0893-z">https://doi.org/10.1007/s12046-018-0893-z</a>	Scopus, SCI Expanded
Corrosion Behavior of Automotive Materials with Biodiesel: A Different Approach	Sorate K., Bhale P.	SAE International Journal of Fuels and Lubricants	2018	1946-3952	<a href="https://www.sae.org/publications/collections/content/E-JOURNAL-04/">https://www.sae.org/publications/collections/content/E-JOURNAL-04/</a>	<a href="https://doi.org/10.4271/04-11-02-0007">https://doi.org/10.4271/04-11-02-0007</a>	Scopus, Emerging SCI
Comparison and Evaluation of performance, Combustion, NOx reduction and Nano particle emission of Diesel, Jatropa and Karanja oil Methyl Ester Biodiesel in a Military 38.8L CIDI Engine	Pandey, A., M R Nandgaonkar, Suresh, S., Pandey, U.	SAE Technical Paper	2018	2688-3627	<a href="https://www.sae.org/publications/technical-papers/">https://www.sae.org/publications/technical-papers/</a>	<a href="https://doi.org/10.4271/2018-01-0919">https://doi.org/10.4271/2018-01-0919</a>	Scopus
Experimental Evaluation of the Solar Flux Distribution on the Flat Receiver of a Model Heliostat System	P. M. Gadhe, S. N. Sapali, G. N. Kulkarni	International Journal of Renewable Energy Research	2018	1309-0127	<a href="https://ijrer.org/ijrer/index.php/ijrer/index">https://ijrer.org/ijrer/index.php/ijrer/index</a>	<a href="https://ijrer.org/ijrer/index.php/ijrer/article/view/7527">https://ijrer.org/ijrer/index.php/ijrer/article/view/7527</a>	Scopus, Emerging SCI
Dependence of repair strength on the size of FRP patch bonded to a cracked aluminium alloy panel	P.S. Shinde, P. Kumar, V.K. Tripathi	Journal of Thin-Walled Structures	2018	0263-8231	<a href="https://www.sciencedirect.com/journal/thin-walled-structures">https://www.sciencedirect.com/journal/thin-walled-structures</a>	<a href="https://doi.org/10.1016/j.tws.2017.12.022">https://doi.org/10.1016/j.tws.2017.12.022</a>	Scopus, SCI
Comparative Analysis of Experimental and Numerical Solar Flux Density Distribution from a Small Heliostat Field	P. M. Gadhe, S. N. Sapali, G. N. Kulkarni	Journal of Advanced Research in Dynamical & Control Systems	2018	1943-023X	<a href="https://www.jarcds.org/index.php">https://www.jarcds.org/index.php</a>	<a href="https://www.jarcds.org/backissues/abstract.php?archiveid=3317">https://www.jarcds.org/backissues/abstract.php?archiveid=3317</a>	Scopus
Experimental Investigation of the Effect of Karanja Oil Biodiesel with Cerium Oxide Nano Particle Fuel Additive on Lubricating Oil Tribology and Engine Wear in a Heavy Duty 38.8L,780 HP Military CIDI Diesel Engine	Pandey, A., M R Nandgaonkar Suresh, S., Pandey, U.	SAE Technical Paper	2018	2688-3627	<a href="https://www.sae.org/publications/technical-papers/">https://www.sae.org/publications/technical-papers/</a>	<a href="https://doi.org/10.4271/2018-01-1753">https://doi.org/10.4271/2018-01-1753</a>	Scopus
The Effect of Cerium Oxide Nano Particles Fuel Additive on Performance and Emission of Karanja Biodiesel Fueled Compression Ignition Military 585kW Heavy Duty Diesel Engine	Pandey, A., M R Nandgaonkar Suresh, S., Pandey, U.	SAE Technical Paper	2018	2688-3627	<a href="https://www.sae.org/publications/technical-papers/">https://www.sae.org/publications/technical-papers/</a>	<a href="https://doi.org/10.4271/2018-01-1818">https://doi.org/10.4271/2018-01-1818</a>	Scopus

**A. Y. 2018-19**

Effects of laser hardening process parameters on the mechanical and wear properties of ck45 steel using an orthogonal array	S. V. Wagh, D. V. Bhatt, J. V. Menghani, S. S. Bhavikatti	International Journal of Modern Manufacturing Technologies	2018	2067-3604	<a href="https://www.ijmmt.ro/">https://www.ijmmt.ro/</a>	<a href="https://www.ijmmt.ro/vol12no12020/25_Santoshkumar_Vasantrao_Wagh.pdf">https://www.ijmmt.ro/vol12no12020/25_Santoshkumar_Vasantrao_Wagh.pdf</a>	Scopus
A model to predict fatigue crackinitiation in plates with a pre-crack	P. S. Shinde, Prashant Kumar, Kuldeep Pawar	Strength, Fracture and Complexity	2018	1567-2069	<a href="https://content.iospress.com/journals/strength-fracture-and-complexity">https://content.iospress.com/journals/strength-fracture-and-complexity</a>	<a href="https://doi.org/10.3233/SFC-180210">https://doi.org/10.3233/SFC-180210</a>	Scopus
Design and Fabrication of Biomass Pelleting Machine	A. Tondare, Anay Nadkar, Mohan Khond	Journal of Advancement in Machines	2018	2582-2233	<a href="http://matjournals.in/index.php/JoAM/index">http://matjournals.in/index.php/JoAM/index</a>	<a href="http://matjournals.in/index.php/JoAM/article/view/2946">http://matjournals.in/index.php/JoAM/article/view/2946</a>	UGC
Integration of constant velocity joint with final drive of gearbox for eliminating transmission losses	M. K. Bhure, V. M. Wanhede, P. H. Shelmocar	International journal of advance engineering and research development	2018	2348-6406	<a href="http://www.ijaerd.com">http://www.ijaerd.com</a>	<a href="http://www.ijaerd.com/papers/finished_papers/IJAERDV0510728583.pdf">http://www.ijaerd.com/papers/finished_papers/IJAERDV0510728583.pdf</a>	UGC
Multi-Response Optimization of Micro-WEDM Process Parameters of Ti49.4-Ni50.6 Shape Memory Alloy for Orthopedic Implant Application	A.M. Takale, N. K. Chougule, P. H. Selmokar	Advanced Materials Research	2018	1662-8985	<a href="https://www.scientific.net/AMR">https://www.scientific.net/AMR</a>	<a href="https://doi.org/10.4028/www.scientific.net/AMR.1150.1">https://doi.org/10.4028/www.scientific.net/AMR.1150.1</a>	Scopus
Exergy Analysis of Centrifugal Filter Used for Marine Engine Lubrication Systems	Jitendra Singh Pal, SN Sapali, TR Anil	2018 International Conference on Computational Techniques, Electronics and Mechanical Systems (CTEMS)	2018	2473-2001	<a href="https://ieeexplore.ieee.org/abstract/document/8769203">https://ieeexplore.ieee.org/abstract/document/8769203</a>	<a href="https://doi.org/10.1109/CTEMS.2018.8769203">https://doi.org/10.1109/CTEMS.2018.8769203</a>	scopus
Testing of Environment Friendly Refrigerant R290 for Water Cooler Application (RESEARCH NOTE)	CS Choudhari, SN Sapali	International Journal of Engineering	2018	2252-0902	<a href="https://iranjournals.nlai.ir/">https://iranjournals.nlai.ir/</a>	<a href="https://doi.org/10.5829/ije.2018.31.01a.21">https://doi.org/10.5829/ije.2018.31.01a.21</a>	scopus
Flow Transitions for Flow Through a Pipe With a Twisted Tape Insert	Chaware Parag Sewatkar C.M.	Journal of Fluids Engineering, Transactions of the ASME	2019	0098-2202	<a href="https://asmedigitalcollection.asme.org/fluidsengineering">https://asmedigitalcollection.asme.org/fluidsengineering</a>	<a href="https://doi.org/10.1115/1.4043557">https://doi.org/10.1115/1.4043557</a>	Scopus, SCI Expanded
Design, Development and Fabrication of A Mist Spray Direct Evaporative Cooling System and Its Performance Evaluation	A M Deshmukh, S. N. Sapali	Journal of Thermal Engineering	2019	2148-7847	<a href="https://dergipark.org.tr/en/pub/thermal">https://dergipark.org.tr/en/pub/thermal</a>	<a href="https://doi.org/10.18186/thermal.513053">https://doi.org/10.18186/thermal.513053</a>	Scopus, Emerging SCI
Analysis of the Failure of Bonded Interface between Aluminium Skin and FRP Patch Using Cohesive Zone Model	Amol Rasane, Prashant Kumar, Mohan Khond	Journal of The Institution of Engineers: Series C	2019	2250-0545	<a href="https://www.springer.com/journal/40032/">https://www.springer.com/journal/40032/</a>	<a href="https://doi.org/10.1007/s40032-018-0490-2">https://doi.org/10.1007/s40032-018-0490-2</a>	Scopus
Design, Development and Fabrication of A Mist Spray Direct Evaporative Cooling System and Its Performance Evaluation	A M Deshmukh, S. N. Sapali	International Journal of Thermal Engineering	2019	2148-7847	<a href="https://dergipark.org.tr/en/pub/thermal">https://dergipark.org.tr/en/pub/thermal</a>	<a href="https://doi.org/10.18186/thermal.513053">https://doi.org/10.18186/thermal.513053</a>	Scopus, Emerging SCI
Energy and exergy analysis of a domestic refrigerator : Approching a sustainbale refrigerator	N D Shikalgar, S N Sapali	International Journal of Thermal Engineering	2019	2148-7847	<a href="https://dergipark.org.tr/en/pub/thermal">https://dergipark.org.tr/en/pub/thermal</a>	<a href="https://doi.org/10.18186/thermal.624159">https://doi.org/10.18186/thermal.624159</a>	Scopus, Emerging SCI
Analysis of the Failure of Bonded Interface between Aluminium Skin and FRP Patch Using Cohesive Zone Model	A. Rasane, P. Kumar, M. Khond	Journal of The Institution of Engineers: Series C	2019	2250-0545	<a href="https://www.springer.com/journal/40032/">https://www.springer.com/journal/40032/</a>	<a href="https://doi.org/10.1007/s40032-018-0490-2">https://doi.org/10.1007/s40032-018-0490-2</a>	Scopus
Heat Transfer Enhancement and Flow Physics Behavior of Fluid in Circular Tube with Insert	P. W. Deshmukh, S. C. Deshmukh, P. R. Hatte	International Journal of Recent Technology and Engineering	2019	2277-3878	<a href="https://www.ijrte.org/">https://www.ijrte.org/</a>	<a href="https://www.ijrte.org/wpcontent/uploads/papers/v8i3/C4452098">https://www.ijrte.org/wpcontent/uploads/papers/v8i3/C4452098</a>	Scopus
Fatigue analysis of pre-cracked aluminum alloy thin sheets repaired with a CFRP patch at elevated temperature	H. P. Shinde, P. Kumar, M. G. Karnik, P. S. Shinde	Journal of Institutions of Engineers Series C	2019	2250-0545	<a href="https://www.springer.com/journal/40032/">https://www.springer.com/journal/40032/</a>	<a href="https://doi.org/10.1007/s40032-019-00547-5">https://doi.org/10.1007/s40032-019-00547-5</a>	Scopus
Numerical analysis of gasoline fuel with laser ignited spark ignition	S S Patil, M R Nandgaonkar	Journal of Physics: Conference Series	2019	1742-6588	<a href="https://iopscience.iop.org/journal/1742-6596">https://iopscience.iop.org/journal/1742-6596</a>	<a href="https://doi.org/10.1088/1742-6596/1240/1/01203">https://doi.org/10.1088/1742-6596/1240/1/01203</a>	Scopus
Design and Development of Intake Ports for 2-Valve & 4-Valve Configurations for Heavy Duty Off-Highway Diesel Engine	S Tikar,D Malkhede, M Nandgaonkar	SAE Technical Paper	2019	2688-3627	<a href="https://www.sae.org/publications/technical-papers/">https://www.sae.org/publications/technical-papers/</a>	<a href="https://doi.org/10.4271/2019-28-0042">https://doi.org/10.4271/2019-28-0042</a>	Scopus

**A. Y. 2019-20**

Optimization of In-Cylinder Flow and Swirl Generation Analysis for a Naturally Aspirated Diesel Genset Engine for Emission Reduction through Intake Port Design	S Tikar, D Malkhede, M Nandgaonkar	SAE Technical Paper	2019	2688-3627	<a href="https://www.sae.org/publications/technical-papers/">https://www.sae.org/publications/technical-papers/</a>	<a href="https://doi.org/10.4271/2019-28-0024">https://doi.org/10.4271/2019-28-0024</a>	Scopus
The Effect of Cerium Oxide Nano Particles Fuel Additive on Performance, Combustion, NOx Reduction and Nano Particle Emission of Karanja and Jatropa Biodiesel Military 585	A K Pandey, M Nandgaonkar, S Suresh, A Varghese	SAE Technical Paper	2019	2688-3627	<a href="https://www.sae.org/publications/technical-papers/">https://www.sae.org/publications/technical-papers/</a>	<a href="https://doi.org/10.4271/2019-01-0262">https://doi.org/10.4271/2019-01-0262</a>	Scopus
Improving program outcome attainments using project based learning approach for: UG course-mechatronics	AD Patange, AK Bewoor, SS Pardeshi, R Jegadeeshwaran	Journal of Engineering Education Transformations	2019	2349-2473	<a href="http://www.journaleet.in/index.php/jeet/index">http://www.journaleet.in/index.php/jeet/index</a>	<a href="https://doi.org/10.16920/jeet/2019/v33i1/148977">https://doi.org/10.16920/jeet/2019/v33i1/148977</a>	Scopus
Milling cutter condition monitoring using machine learning approach	AD Patange, R Jegadeeshwaran, NC Dhobale	IOP Conference Series: Materials Science and Engineering	2019	1757-8981	<a href="https://iopscience.iop.org/journal/1757-899X">https://iopscience.iop.org/journal/1757-899X</a>	<a href="https://doi.org/10.1088/1757-899X/624/1/012030">https://doi.org/10.1088/1757-899X/624/1/012030</a>	Scopus
Exergy analysis and irreversibility of combustion process of an auxiliary boiler for marine application	Jitendra Singh Pal, SN Sapali, TR Anil	Renewable energy and its innovative technologies	2019	2195-4364	<a href="https://link.springer.com/">https://link.springer.com/</a>	<a href="https://doi.org/10.1007/978-981-13-2116-0_6">https://doi.org/10.1007/978-981-13-2116-0_6</a>	scopus
Exergy Analysis of Auxiliary Boiler for Marine Application	Jitendra Singh Pal, SN Sapali, TR Anil	Proceedings of the Fourth International Conference in Ocean Engineering (ICOE2018)	2019	2195-4364	<a href="https://link.springer.com/">https://link.springer.com/</a>	<a href="https://doi.org/10.1007/978-981-13-3119-0_73">https://doi.org/10.1007/978-981-13-3119-0_73</a>	scopus
Multipoint laser ignition system and its applications to IC engines	P Patane, M Nandgaonkar	Optics & Laser Technology	2020	0030-3992	<a href="https://www.sciencedirect.com/journal/optics-and-laser-technology">https://www.sciencedirect.com/journal/optics-and-laser-technology</a>	<a href="https://doi.org/10.1016/j.optlastec.2020.106305">https://doi.org/10.1016/j.optlastec.2020.106305</a>	Scopus, SCI
Placement of Heated Blocks Under Forced Convection for Enhanced Heat Transfer	S Durgam, S Venkateshan, M R Nandgaonkar	Lecture Notes in Mechanical Engineering	2020	2195-4364	<a href="https://link.springer.com/book/10.1007/978-981-15-3639-7">https://link.springer.com/book/10.1007/978-981-15-3639-7</a>	<a href="https://doi.org/10.1007/978-981-15-3639-78">https://doi.org/10.1007/978-981-15-3639-78</a>	Scopus
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Investigations on effect of laser hardening process parameters on microhardness and tribological characteristics of cast iron using Taguchi technique	S V Wagh, D V Bhatt, J Menghani	International Journal of Modern Manufacturing Technologies	2020	2067-3604	<a href="https://www.ijmmt.ro/">https://www.ijmmt.ro/</a>	<a href="https://www.ijmmt.ro/vol12no12020/25_Santoshkumar_Vasantrao_Wagh_h.pdf">https://www.ijmmt.ro/vol12no12020/25_Santoshkumar_Vasantrao_Wagh_h.pdf</a>	Scopus
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Effects of laser hardening process parameters on hardness depth of Ck45 steel using Taguchi's optimization technique	S V Wagh, D V Bhatt, J Menghani S. S. Bhavikatti	IOP Conf. Series: Materials Science and Engineering	2020	1757-8981	<a href="https://iopscience.iop.org/journal/1757-899X">https://iopscience.iop.org/journal/1757-899X</a>	<a href="https://doi.org/10.1088/1757-899X/810/1/012027">https://doi.org/10.1088/1757-899X/810/1/012027</a>	Scopus
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Review: Multipoint laser ignition system and its applications to IC engines	Prashant Patane, M R Nandgaonkar	Optics & Laser Technology	2020	0030-3992	<a href="https://www.sciencedirect.com/journal/optics-and-laser-technology">https://www.sciencedirect.com/journal/optics-and-laser-technology</a>	<a href="https://doi.org/10.1016/j.optlastec.2020.106305">https://doi.org/10.1016/j.optlastec.2020.106305</a>	Scopus, SCI
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Characterization and System Identification of XY Flexural Mechanism Using Double Parallelogram Manipulator for High Precision Scanning	Shewale M.S., Deshmukh S.P., Mulik S.S., Patange A.D.	Lecture Notes in Electrical Engineering	2020	7818-7818	<a href="https://link.springer.com/bookseries/7818">https://link.springer.com/bookseries/7818</a>	<a href="https://doi.org/10.1007/978-981-13-8715-9_47">https://doi.org/10.1007/978-981-13-8715-9_47</a>	Scopus

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Improving the usability of biodiesel blend in low heat rejection diesel engine through combustion, performance and emission analysis	Sharad P Jagtap, Anand N Pawar, Subhash Lahane	Renewable Energy	2020	2214-7853	<a href="https://www.sciencedirect.com/">https://www.sciencedirect.com/</a>	<a href="https://doi.org/10.1016/j.renene.2020.03.115">https://doi.org/10.1016/j.renene.2020.03.115</a>	scopus
Experimental and Computational Evaluation of Pressure Drop and Heat Transfer Characteristics in Rectangular Channel with Helix Grooved Profile Pin-Fins	JA Siddiqui, Subhash Lahane, AV Gadekar, VL Lokawar	Advances in Energy Research, Springer Proceedings in Energy	2020	2195-4364	<a href="https://link.springer.com/">https://link.springer.com/</a>	<a href="https://doi.org/10.1007/978-981-15-2666-4_69">https://doi.org/10.1007/978-981-15-2666-4_69</a>	scopus
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Design and Development of In-pipe Inspection Robot for Various Pipe Sizes	A A Gargade, S S Ohol	IOP Conference Series: Materials Science and Engineering	2021	1757-8981	<a href="https://iopscience.iop.org/journal/1757-899X">https://iopscience.iop.org/journal/1757-899X</a>	<a href="https://doi.org/10.1088/1757-899X/1012/1/012001">https://doi.org/10.1088/1757-899X/1012/1/012001</a>	Scopus
An All-Atom Simulation Study of Gas Detonation Forming Technique	A Kulkarni, V. Karkaria, M R Nandgaonkar S P Patil, B Markert	Multidisciplinary Digital Publishing Institute	2021	2075-4701	<a href="https://www.mdpi.com/journal/metals">https://www.mdpi.com/journal/metals</a>	<a href="https://doi.org/10.3390/met11040611">https://doi.org/10.3390/met11040611</a>	Scopus, SCI Expanded
Numerical simulation of combustion characteristics and emission predictions of methane-air and hydrogen-air mixtures in a constant volume combustion chamber using multi-point	P M Patane, M R Nandgaonkar	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	2021	1556-7230	<a href="https://www.tandfonline.com/toc/ueso20/current">https://www.tandfonline.com/toc/ueso20/current</a>	<a href="https://doi.org/10.1080/15567036.2021.1910383">https://doi.org/10.1080/15567036.2021.1910383</a>	Scopus, SCI Expanded
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Supervision of Carbide Tool Condition by Training of Vibration-based Statistical Model using Boosted Trees Ensemble	Apoorva Khairnar, ADPatange, SSPardeshi, R Jegadeshwaran	International Journal of Performability Engineering	2021	0973-1318	<a href="http://www.ijpe-online.com/EN/0973-1318/home.shtml">http://www.ijpe-online.com/EN/0973-1318/home.shtml</a>	<a href="https://doi.org/10.23940/ijpe.21.02.p7.229240">https://doi.org/10.23940/ijpe.21.02.p7.229240</a>	Scopus
A machine learning approach for vibration-based multipoint tool insert health prediction on vertical machining centre (VMC)	Abhishek D. Patange, R. Jegadeeshwaran	Measurement	2021	0263-2241	<a href="https://www.sciencedirect.com/journal/measurement">https://www.sciencedirect.com/journal/measurement</a>	<a href="https://doi.org/10.1016/j.measurement.2020.108649">https://doi.org/10.1016/j.measurement.2020.108649</a>	Scopus, SCI Expanded
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Effect of Combination of Flexure Joints and Material Used on Performance of Compliant Pantograph Mechanism	SS Kandharkar, SS Pardeshi, V Thorat, BB Deshmukh	Materials Today: Proceedings	2021	2214-7853	<a href="https://www.sciencedirect.com/journal/materials-today-proceedings">https://www.sciencedirect.com/journal/materials-today-proceedings</a>	<a href="https://doi.org/10.1016/j.matpr.2021.02.067">https://doi.org/10.1016/j.matpr.2021.02.067</a>	Scopus
Prediction of welding residual stresses using Artificial Neural Network (ANN)	Kaushal Kulkarni	Materials Today: Proceedings	2021	2214-7853	<a href="https://www.sciencedirect.com/journal/materials-today-proceedings">https://www.sciencedirect.com/journal/materials-today-proceedings</a>	<a href="https://doi.org/10.1016/j.matpr.2021.02.486">https://doi.org/10.1016/j.matpr.2021.02.486</a>	Scopus
Design of Bagged Tree Ensemble for carbide coated inserts fault diagnosis	H. S. Khade, A. D. Patange, S. S. Pardeshi, R. Jegadesshwaran	Materials Today: Proceedings	2021	2214-7853	<a href="https://www.sciencedirect.com/journal/materials-today-proceedings">https://www.sciencedirect.com/journal/materials-today-proceedings</a>	<a href="https://doi.org/10.1016/j.matpr.2021.02.128">https://doi.org/10.1016/j.matpr.2021.02.128</a>	Scopus

Review on tool condition classification in Milling: A machine learning approach	Abhishek D. Patange, R. Jegadeeshwaran	Materials Today: Proceedings	2021	2214-7853	<a href="https://www.sciencedirect.com/journal/materials-today-proceedings">https://www.sciencedirect.com/journal/materials-today-proceedings</a>	<a href="https://doi.org/10.1016/j.matpr.2021.01.523">https://doi.org/10.1016/j.matpr.2021.01.523</a>	Scopus
Condition monitoring of carbide and non-carbide coated tool insert using decision tree and random tree–A statistical learning	KA Ajayram, R Jegadeeshwaran, R Sivakumar, AD Patange	Materials Today: Proceedings	2021	2214-7853	<a href="https://www.sciencedirect.com/journal/materials-today-proceedings">https://www.sciencedirect.com/journal/materials-today-proceedings</a>	<a href="https://doi.org/10.1016/j.matpr.2021.02.065">https://doi.org/10.1016/j.matpr.2021.02.065</a>	Scopus
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Supervision of Milling Tool Inserts Using Conventional and Artificial Intelligence Approach: A Review	Nilesh Dhobale, Sharad Mulik, R Jegadeeshwaran, Abhishek Patange	Sound and Vibration	2021	1541-0161	<a href="https://www.techscience.com/journal/sv">https://www.techscience.com/journal/sv</a>	<a href="https://doi.org/10.32604/sv.2021.014224">https://doi.org/10.32604/sv.2021.014224</a>	Scopus, Emerging SCI
Support Vector Regression Method for Predicting Temperatures of heat sources Cooled by Forced Convection in a Horizontal Channel	S O Durgam., Ajinkya Bhosale, Vivek Bhosale, Revati Deshpande	Thermal Science and Engineering Progress	2021	2451-9049	<a href="https://www.sciencedirect.com/journal/thermal-science-and-engineering-progress">https://www.sciencedirect.com/journal/thermal-science-and-engineering-progress</a>	<a href="https://doi.org/10.1016/j.tsep.2020.100725">https://doi.org/10.1016/j.tsep.2020.100725</a>	Scopus, SCI Expanded
Forced convection from IC chips on printed circuit boards generating high heat fluxes	Shankar Durgam	Journal of The Institution of Engineers (India) Series C	2021	2250-0545	<a href="https://www.springer.com/journal/40032/">https://www.springer.com/journal/40032/</a>	<a href="https://doi.org/10.1007/s40032-021-007049">https://doi.org/10.1007/s40032-021-007049</a>	Scopus
Temperature Prediction of Heat Sources using Machine Learning Techniques	S O Durgam., Ajinkya Bhosale, Vivek Bhosale, Revati Deshpande	Heat Transfer Journal	2021	2688-4542	<a href="https://onlinelibrary.wiley.com/journal/26884542">https://onlinelibrary.wiley.com/journal/26884542</a>	<a href="https://doi.org/10.1002/htj.22255">https://doi.org/10.1002/htj.22255</a>	Scopus
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Analysis of the influence of reinforcements on the microstructure and mechanical characterization of the Al-Flyash composites	Milind K. Wasekar, Mohan P. Khond	Frattura ed Integrità Strutturale	2021	1971-8993	<a href="https://www.fracturae.com/index.php/fis">https://www.fracturae.com/index.php/fis</a>	<a href="https://doi.org/10.3221/IGF-ESIS.56.18">https://doi.org/10.3221/IGF-ESIS.56.18</a>	Scopus, SCI Expanded
Review of the Approaches and Modeling Methodology for Lithium-Ion Battery Thermal Management Systems in Electric Vehicles	Indraneel Naik, Milankumar Nandgaonkar	Lecture Notes in Mechanical Engineering	2021	2195-4364	<a href="https://link.springer.com/book/10.1007/978-981-15-3639-7">https://link.springer.com/book/10.1007/978-981-15-3639-7</a>	<a href="https://doi.org/10.1007/978-981-16-0673-1_8">https://doi.org/10.1007/978-981-16-0673-1_8</a>	Scopus
Performance and ferrography analysis for determining the wear of an external gear pump	N D Dhote, M P Khond, Shadab Sheikh, A D Patange	Journal of Physics: Conference Series	2021	1742-6588	<a href="https://iopscience.iop.org/journal/1742-6596">https://iopscience.iop.org/journal/1742-6596</a>	<a href="https://doi.org/10.1088/1742-6596/1969/1/012015">https://doi.org/10.1088/1742-6596/1969/1/012015</a>	Scopus
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Applications of compliant mechanism in today's world–A review	SP Jagtap, BB Deshmukh, SS Pardeshi	Journal of Physics: Conference Series	2021	1742-6588	<a href="https://iopscience.iop.org/journal/1742-6596">https://iopscience.iop.org/journal/1742-6596</a>	<a href="https://doi.org/10.1088/1742-6596/1969/1/01201">https://doi.org/10.1088/1742-6596/1969/1/01201</a>	Scopus
Latent heat energy storage system using phase change materials and techniques for their performance improvement: A Review	SS Mundra, SS Pardeshi	IOP Conference Series: Materials Science and Engineering	2021	1757-8981	<a href="https://iopscience.iop.org/journal/1757-899X">https://iopscience.iop.org/journal/1757-899X</a>	<a href="https://doi.org/10.1088/1757-899X/1126/1/01206">https://doi.org/10.1088/1757-899X/1126/1/01206</a>	Scopus
Optimization of Laser Hardening Process Parameters for Cast Iron Using a Design of Experiment Method	S V Wagh, D V Bhatt, J V Menghani, S S Pardeshi	Lecture Notes in Mechanical Engineering	2021	2195-4364	<a href="https://link.springer.com/book/10.1007/978-981-15-3639-7">https://link.springer.com/book/10.1007/978-981-15-3639-7</a>	<a href="https://doi.org/10.1007/978-981-16-7779-6_25">https://doi.org/10.1007/978-981-16-7779-6_25</a>	Scopus
Mathematical Modeling of Injection and Spray Characteristics of a Diesel Engine: A Review	Subhash Lahane, PW Deshmukh, MR Nandgaonkar	Energy, Environment, and Sustainability	2021	2522-8366	<a href="https://link.springer.com/">https://link.springer.com/</a>	<a href="https://doi.org/10.1007/978-981-16-8618-4_3">https://doi.org/10.1007/978-981-16-8618-4_3</a>	scopus
Heat Transfer and Friction Factor Characteristics of Turbulent Flow through a Conical Heat Exchanger	Dulesh R Pathode, Prashant W Deshmukh, Vishal Bhalla, Subhash V Lahane	IOP Conference Series: Materials Science and Engineering	2021	1742-6588	<a href="https://iopscience.iop.org/">https://iopscience.iop.org/</a>	<a href="https://doi.org/10.1088/1757-899X/1185/1/012008">https://doi.org/10.1088/1757-899X/1185/1/012008</a>	scopus

Local & Average Heat Transfer and Friction Factor Characteristics of a Flow through a Helical Wire Coil for Turbulent Flow Conditions	Rahul Chaudhari, Prashant W Deshmukh, Vishal Bhalla, Subhash V Lahane	IOP Conference Series: Materials Science and Engineering	2021	1742-6588	<a href="https://iopscience.iop.org/">https://iopscience.iop.org/</a>	<a href="https://doi.org/10.1088/1757-899X/1185/1/012007">https://doi.org/10.1088/1757-899X/1185/1/012007</a>	scopus
Combustion Characteristics of Conventional Diesel Engine and Low Heat Rejection Diesel Engine with Biodiesel Blends	SP Jagtap, AN Pawar, S. Lahane, DB Lata	Advances in IC Engines and Combustion Technology, Springer	2021	2195-4364	<a href="https://link.springer.com/">https://link.springer.com/</a>	<a href="https://doi.org/10.1007/978-981-15-5996-9_8">https://doi.org/10.1007/978-981-15-5996-9_8</a>	scopus
Experimental investigation of the collective impact of electric current and ambient temperature on the thermal and electrical parameters of lithium iron phosphate cells	Indraneel Naik, Milankumar Nandgaonkar	Energy Technology	2021	1613-6829	<a href="https://onlinelibrary.wiley.com/">https://onlinelibrary.wiley.com/</a>	<a href="https://doi.org/10.1002/ente.202100593">https://doi.org/10.1002/ente.202100593</a>	scopus
Spray Behavior Analysis of Ethanol	Shrimantini S Patil, Milankumar R Nandgaonkar	Mathematical Modeling, Computational Intelligence Techniques and Renewable Energy	2021	2195-4364	<a href="https://link.springer.com/">https://link.springer.com/</a>	<a href="https://doi.org/10.1007/978-981-15-9953-8_18">https://doi.org/10.1007/978-981-15-9953-8_18</a>	scopus
A White-Box SVM Framework and its Swarm-Based Optimization for Supervision of Toothed Milling Cutter through Characterization of Spindle Vibrations	Tejas Y Deo, Abhishek D Patange, Sujit S Pardeshi, R Jegadeeshwaran, Apoorva N Khairnar, Hrushikesh S	arXiv preprint arXiv:2112.08421	2021	2331-8422	<a href="https://arxiv.org/">https://arxiv.org/</a>	<a href="https://doi.org/10.48550/arXiv.2112.08421">https://doi.org/10.48550/arXiv.2112.08421</a>	scopus
Deep Learning Algorithms for Tool Condition Monitoring in Milling: A Review	SS Patil, SS Pardeshi, AD Patange, R Jegadeeshwaran	Journal of Physics: Conference Series	2021	1742-6588	<a href="https://iopscience.iop.org/">https://iopscience.iop.org/</a>	<a href="https://doi.org/10.1088/1742-6596/1969/1/012039">https://doi.org/10.1088/1742-6596/1969/1/012039</a>	scopus
Modeling and Analysis of Unmanned Remote Guided Vehicle on Rough and Loose Snow Terrain	Abhishek D Patange, Sharad S Mulik, R Jegadeeshwaran, Dhananjay R Jadhav, Prateek J Chaturvedi, Gauvan R Deshi	arXiv preprint arXiv:2101.04952	2021	2331-8422	<a href="https://arxiv.org/">https://arxiv.org/</a>	<a href="https://doi.org/10.48550/arXiv.2101.04952">https://doi.org/10.48550/arXiv.2101.04952</a>	scopus
Development of Bridge and Lever Type Compact Compliant Mechanism for Micro Positioning Systems	Parag Marathe, Sujit S Pardeshi, Bhagyesh Deshmukh	Journal of Physics: Conference Series	2021	1742-6588	<a href="https://iopscience.iop.org/">https://iopscience.iop.org/</a>	<a href="https://doi.org/10.1088/1742-6596/1969/1/012006">https://doi.org/10.1088/1742-6596/1969/1/012006</a>	scopus
Applications of compliant mechanism in today's world-A review	SP Jagtap, BB Deshmukh, S Pardeshi	Journal of Physics: Conference Series	2021	1742-6588	<a href="https://iopscience.iop.org/">https://iopscience.iop.org/</a>	<a href="https://doi.org/10.1088/1742-6596/1969/1/012013">https://doi.org/10.1088/1742-6596/1969/1/012013</a>	scopus
Latent heat energy storage system using phase change materials and techniques for their performance improvement: A Review	SS Mundra, SS Pardeshi	IOP Conference Series: Materials Science and Engineering	2021	1742-6588	<a href="https://iopscience.iop.org/">https://iopscience.iop.org/</a>	<a href="https://doi.org/10.1088/1757-899X/1126/1/012068">https://doi.org/10.1088/1757-899X/1126/1/012068</a>	scopus
Hybrid nanoparticles-laden fluid based spiral solar collector: A proof-of-concept experimental study	Vismay V Kulkarni, Vishal Bhalla, Kapil Garg, Himanshu Tyagi	Renewable Energy	2021	2214-7853	<a href="https://www.sciencedirect.com/">https://www.sciencedirect.com/</a>	<a href="https://doi.org/10.1016/j.renene.2021.07.133">https://doi.org/10.1016/j.renene.2021.07.133</a>	scopus
Bagasse Drying by Waste Heat Recovery from Surrounding Walls of the Combustion Chamber of a Jaggery Plant	AB Shinde, SN Sapali, YV Sonone	Intelligent Electrical Systems: A Step towards Smarter Earth	2021		<a href="https://books.google.co.in/">https://books.google.co.in/</a>		scopus
Analytical Modelling and Simulation of a Hot-Wall Condenser Applied to Domestic Refrigerator	SN Sapali, ND Shikalgar	Intelligent Electrical Systems: A Step towards Smarter Earth	2021		<a href="https://books.google.co.in/">https://books.google.co.in/</a>		scopus
Experimental Investigation of Solar Energy-Assisted DC Refrigerator	ND Shikalgar, SN Sapali	Intelligent Electrical Systems: A Step towards Smarter Earth	2021		<a href="https://books.google.co.in/">https://books.google.co.in/</a>		scopus
Assessment of Exergy Loss Rate in Marine Boiler to Analyze the Performance of Waste Heat Plant by the Exergy Method	Jitendra Singh Pal, SN Sapali, TR Anil, ND Shikalgar	Proceedings of the 26th National and 4th International ISHMT-ASTFE Heat and Mass Transfer Conference December 17-20, 2021, IIT Madras, Chennai, 600036, Tamil Nadu	2021	2152-2073	<a href="https://www.dl.begellhouse.com/">https://www.dl.begellhouse.com/</a>	<a href="https://doi.org/10.1615/IHMTC-2021.4210">https://doi.org/10.1615/IHMTC-2021.4210</a>	scopus
Experimental Investigation of Effect of Hydrophobic Coating on Drag Forces over a Stationary Circular Cylinder under Laminar Flow Conditions	P. W. Deshmukh Subhash Lahane, Manoj Rathod	Journal of Thermal Engineering	2021	2148-7847	<a href="https://dergipark.org.tr/en/pub/thermal">https://dergipark.org.tr/en/pub/thermal</a>	Accepted	Scopus, Emerging SCI
Effect of B20 and B30 Jatropa Biodiesel Blends on Combustion Characteristics of Mullite Coated LHR Diesel Engine	SP Jagtap, AN Pawar, Subhash Lahane	Int J of Environment & Sustain development	2021	1478-7466	<a href="https://www.inderscience.com/jhome.php?jcode=ijesd">https://www.inderscience.com/jhhome.php?jcode=ijesd</a>	<a href="https://doi.org/10.1504/IJESD.2021.10040907">https://doi.org/10.1504/IJESD.2021.10040907</a>	Scopus
Experimental investigation of heat transfer augmentation method of jet impingement using a fluid of different concentrations of water and ethylene glycol (EG)	Subhash Lahane, PW Deshmukh, Manoj Nargade	Journal of Thermal Engineering	2021	2148-7847	<a href="https://dergipark.org.tr/en/pub/thermal">https://dergipark.org.tr/en/pub/thermal</a>	Accepted	Scopus, Emerging SCI

Experimental Study of Heat Transfer in a Helical Coiled Tube Biomass Fired Rotary Device	P. W. Deshmukh, Satyajit Kasar, N.P.Sapkhal	Journal of Thermal Engineering	2021	2148-7847	<a href="https://dergipark.org.tr/en/pub/thermal">https://dergipark.org.tr/en/pub/thermal</a>	Accepted	Scopus, Emerging SCI
Selection of aircraft materials and aircraft air conditioning technologies: A review	S O Durgam., S Deshmukh, P H Selmokar	Materials Science Forum Journal	2021	1662-9752	<a href="https://www.scientific.net/MSF">https://www.scientific.net/MSF</a>	Accepted	Scopus
A Bayesian optimized discriminant analysis model for condition monitoring of face milling cutter using vibration datasets	NS Bajaj, A D Patange, K Jegadeeshwaran, KA Kulkarni, R S Ghatpande, A M Kanade	Journal of Nondestructive Evaluation, Diagnostics and Prognostics of Engineering Systems Transactions of ASME	2021	2572-3901	<a href="https://asmedigitalcollection.asme.org/nondestructive">https://asmedigitalcollection.asme.org/nondestructive</a>	<a href="https://doi.org/10.1115/1.4051696">https://doi.org/10.1115/1.4051696</a>	Scopus
A Comprehensive Compendium on Passive Augmentation Techniques for Enhancement of Single-Phase Heat Transfer Coefficients in Heat Exchanger Tubes under Laminar and Turbulent Flow Conditions	P. W. Deshmukh, Satyajit Kasar, Siddini Venkatesh Prabhu	Heat Transfer Engineering	2021	0145-7632	<a href="https://www.tandfonline.com/">https://www.tandfonline.com/</a>	<a href="https://doi.org/10.1080/01457632.2022.2073671">https://doi.org/10.1080/01457632.2022.2073671</a>	scopus
Heat transfer and friction factor characteristics of turbulent flow using thermally non conductive twisted tape inserts	SP Nalavade, PW Deshmukh, NK Sane	Materials Today: Proceedings	2021	2214-7853	<a href="https://www.sciencedirect.com/">https://www.sciencedirect.com/</a>	<a href="https://doi.org/10.1016/j.matpr.2021.09.061">https://doi.org/10.1016/j.matpr.2021.09.061</a>	scopus
Heat transfer augmentation for turbulent flow in circular tubes using inserts with multiple curved vortex generator elements	Prashant wasudeo Deshmukh, Siddini Venkatesh Prabhu, Rajendra Prasad Vedula	International Journal of Thermal Sciences	2021	2214-7853	<a href="https://www.sciencedirect.com/">https://www.sciencedirect.com/</a>	<a href="https://doi.org/10.1016/j.ijthermalsci.2021.107203">https://doi.org/10.1016/j.ijthermalsci.2021.107203</a>	scopus
Modeling and Validation of the Impact of Electric Current and Ambient Temperature on the Thermoelectric Performance of Lithium-Ion Batteries	Indraneel Naik, Milankumar Nandgaonkar	Energy Technology	2021	1613-6829	<a href="https://onlinelibrary.wiley.com/">https://onlinelibrary.wiley.com/</a>	<a href="https://doi.org/10.1002/ente.202100774">https://doi.org/10.1002/ente.202100774</a>	scopus
Mathematical Modeling of Injection and Spray Characteristics of a Diesel Engine: A Review	Subhash Lahane, PW Deshmukh, MR Nandgaonkar	Engine Modeling and Simulation	2021	2195-4364	<a href="https://link.springer.com/">https://link.springer.com/</a>	<a href="https://doi.org/10.1007/978-981-16-8618-4_3">https://doi.org/10.1007/978-981-16-8618-4_3</a>	scopus
Application of Machine Learning for Tool Condition Monitoring in Turning	AD Patange, R Jegadeeshwaran, NS Bajaj, AN Khairnar, NA Gavade	<a href="https://www.techscience.com/">Sound and Vibration</a>	2021	1541-0161	<a href="https://www.techscience.com/">https://www.techscience.com/</a>	<a href="https://doi.org/10.32604/sv.2022.014910">https://doi.org/10.32604/sv.2022.014910</a>	scopus
Overview of contemporary systems driven by open-design movement	Aditya M. Meemri, Abhishek D Patange, Sujit S Pardeshi, R Jegadeeshwaran, Mustafa Kuntalob	arXiv preprint arXiv:2201.05698	2021	2331-8422	<a href="https://arxiv.org/">https://arxiv.org/</a>	<a href="https://doi.org/10.48550/arXiv.2201.05698">https://doi.org/10.48550/arXiv.2201.05698</a>	scopus
Designing an optimized schedule of transit electric bus charging: A municipal level case study	Rushikesh Patil, Aditi Rahegaonkar, Abhishek Patange, Sandeep Nalavade	Materials Today: Proceedings	2021	2214-7853	<a href="https://www.sciencedirect.com/">https://www.sciencedirect.com/</a>	<a href="https://doi.org/10.1016/j.matpr.2021.09.220">https://doi.org/10.1016/j.matpr.2021.09.220</a>	scopus
Cutting Tool Condition Monitoring using a Deep Learning-based Artificial Neural Network.	Sonali S Patil, Sujit S Pardeshi, Nikhil Pradhan, Abhishek D Patange	International Journal of Performability Engineering	2021	9731318	<a href="http://www.ijpe-online.com/">http://www.ijpe-online.com/</a>	<a href="https://doi.org/10.23940/ijpe.22.01.p5.3746">https://doi.org/10.23940/ijpe.22.01.p5.3746</a>	scopus
Analysis of phase change material inside horizontally oriented heat storage unit: A numerical and experimental approach	Sangeeta S Mundra, Sujit S Pardeshi	Case Studies in Thermal Engineering	2021	2214-7853	<a href="https://www.sciencedirect.com/">https://www.sciencedirect.com/</a>	<a href="https://doi.org/10.1016/j.csite.2022.101831">https://doi.org/10.1016/j.csite.2022.101831</a>	scopus
Phase Change Materials and Techniques to Enhance Performance of Latent Heat Storage Based on Geometrical Considerations: A Review	Sangeeta S Mundra, Sujit S Pardeshi	Proceedings of Fourth International Conference on Inventive Material Science Application	2021	2195-4364	<a href="https://link.springer.com/">https://link.springer.com/</a>	<a href="https://doi.org/10.1007/978-981-16-4321-7_18">https://doi.org/10.1007/978-981-16-4321-7_18</a>	scopus
Design and thermal analysis of nanofluid-based compound parabolic concentrator	Vishal Bhalla, Vikrant Khullar, Ranga Vihari Parupudi	Renewable Energy	2021	2214-7853	<a href="https://www.sciencedirect.com/">https://www.sciencedirect.com/</a>	<a href="https://doi.org/10.1016/j.renene.2021.12.064">https://doi.org/10.1016/j.renene.2021.12.064</a>	scopus
Directly Absorbing Nanofluid-Based Solar Thermal Collectors for Cairo	Vishal Bhalla, Mohamed M Sabry, Ahmed Ghitas, Harjit Singh	Sustainable Energy Development and Innovation	2021	2195-4364	<a href="https://link.springer.com/">https://link.springer.com/</a>	<a href="https://doi.org/10.1007/978-3-030-76221-6_27">https://doi.org/10.1007/978-3-030-76221-6_27</a>	scopus