

## Journal Publication - Academic Year 2020-2021

S.No	Name of the Author	Title of the paper	Name of the Journal / Conference	Indexing	URL
1	M. Shanmugaraja	Augmenting Productivity Using TQM Principles	Waffen-Und Kostumkunde Journal	Scopus	<a href="http://druckhaus-hofmann.de/gallery/4-wj-july-2265.pdf">http://druckhaus-hofmann.de/gallery/4-wj-july-2265.pdf</a>
2	N. Udhayakumar	An Experimental Study of Emission Characteristics in Compression Ignition Engine with Diesel – Ethanol Blend Using Surfactant	Waffen-Und Kostumkunde Journal	Scopus	<a href="https://druckhaus-hofmann.de/gallery/7-wj-july-2272.pdf">https://druckhaus-hofmann.de/gallery/7-wj-july-2272.pdf</a>
3	P Nikhil Babu	Design and fabrication of NACA 0018 straight bladed vertical axis wind turbine	IOP Conf. Ser.: Earth Environ. Sci	Scopus	<a href="https://iopscience.iop.org/article/10.1088/1755-1315/573/1/012047/meta">https://iopscience.iop.org/article/10.1088/1755-1315/573/1/012047/meta</a>
4	P. Manoj Kumar	Investigation of Inorganic Phase Change Material for a Semi-Transparent Photovoltaic (STPV) Module	Energies 2020	SCI	<a href="https://www.mdpi.com/1996-1073/13/14/3582">https://www.mdpi.com/1996-1073/13/14/3582</a>
5	R. Vishnuvardhan	An insight on VMD for diagnosing wind turbine blade faults using C4. 5 as feature selection and discriminating through multilayer perceptron	Alexandria Engineering Journal 59	SCI	<a href="https://www.sciencedirect.com/science/article/pii/S111001682030315X">https://www.sciencedirect.com/science/article/pii/S111001682030315X</a>
6	D.Balaji	Machine Learning Frameworks for	A Review, Solid	Scopus	<a href="https://solidstatetechnology.us/index.php">https://solidstatetechnology.us/index.php</a>

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		Additive Manufacturing –	State Technology		<a href="#">/JSST/article/view/6248</a>
7	L.Rajeshkumar	Prediction of Wear Characteristics of AA2219-Gr Matrix Composites Using GRNN and Taguchi-Based Approach.	Arabian Journal for Science and Engineering	SCI	<a href="https://link.springer.com/article/10.1007/s13369-020-04817-8#:~:text=Conclusions,Taguchi%20method%20using%20L27%2DOA.&amp;text=It%20was%20found%20that%20minimum,wt%25%20of%20graphite%20of%201.5">https://link.springer.com/article/10.1007/s13369-020-04817-8#:~:text=Conclusions,Taguchi%20method%20using%20L27%2DOA.&amp;text=It%20was%20found%20that%20minimum,wt%25%20of%20graphite%20of%201.5</a>
8	N.Gunasekaran	Analysis And Reduction Of Heat Transfer In A Furnace Of Refinery	IOPScience: Journal of Physics conference series	Scopus	<a href="https://iopscience.iop.org/article/10.1088/1742-6596/1706/1/012176/meta">https://iopscience.iop.org/article/10.1088/1742-6596/1706/1/012176/meta</a>
9	P. Manoj Kumar	Investigations on an evacuated tube solar water heater using hybrid-nano based organic phase change material	International Journal of Green energy (2020)	SCI	<a href="https://www.tandfonline.com/doi/abs/10.1080/15435075.2020.1809426">https://www.tandfonline.com/doi/abs/10.1080/15435075.2020.1809426</a>
10	V.Bhuvaneshwari	Study of Mechanical and Tribological Properties of Bio-Ceramics Reinforced Aluminium Alloy Composites	Solid State Technology	Scopus	<a href="https://solidstatetechnology.us/index.php/JSST/article/view/5363">https://solidstatetechnology.us/index.php/JSST/article/view/5363</a>

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11	B. Arulmurugan	Investigation on the Effect of Pulsed Frequency on Microstructure and Hardness of Alloy C-2000 by Current Pulsing	SAE Technical Paper 2020-28-0420	Scopus	<a href="https://www.sae.org/publications/technical-papers/content/2020-28-0420/">https://www.sae.org/publications/technical-papers/content/2020-28-0420/</a>
12	K. R. Sumesh	An Investigation into the Mechanical and Wear Characteristics of Hybrid Composites: Influence of Different Types and Content of Biodegradable Reinforcements	Journal of Natural Fibers	SCI	<a href="https://www.tandfonline.com/doi/abs/10.1080/15440478.2020.1821297">https://www.tandfonline.com/doi/abs/10.1080/15440478.2020.1821297</a>
13	L. Prabhu	Mechanical, Chemical and Sound Absorption Properties of Glass/Kenaf/Waste Tea Leaf Fiber-Reinforced Hybrid Epoxy Composites.	Journal of Industrial Textiles	SCI	<a href="https://journals.sagepub.com/doi/abs/10.1177/1528083720957392">https://journals.sagepub.com/doi/abs/10.1177/1528083720957392</a>
14	L.Rajeshkumar	Influence of Boron Carbide Addition on Particle Size of Copper Zinc Alloys Synthesized by Powder Metallurgy	IOP Conf. Ser.: Mater. Sci. Eng	Scopus	<a href="https://iopscience.iop.org/article/10.1088/1757-899X/954/1/012008">https://iopscience.iop.org/article/10.1088/1757-899X/954/1/012008</a>
15	L.Rajeshkumar	Design and Optimization of Static Characteristics for a Steering System in an ATV	IOP Conf. Ser.: Mater. Sci. Eng	Scopus	<a href="https://iopscience.iop.org/article/10.1088/1757-899X/954/1/012009">https://iopscience.iop.org/article/10.1088/1757-899X/954/1/012009</a>

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16	M Makesh Kumar	Performance characteristics of GMAW process parameters of multi-bead overlap weld claddings	IOP Conf. Ser.: Mater. Sci. Eng.	Scopus	<a href="https://iopscience.iop.org/article/10.1088/1757-899X/988/1/012013/meta">https://iopscience.iop.org/article/10.1088/1757-899X/988/1/012013/meta</a>
17	P. Manoj Kumar	Characterization of Hybrid-nano/Paraffin Organic Phase Change Material for Thermal Energy Storage Applications in Solar Thermal Systems	Energies	SCI	<a href="https://www.mdpi.com/1996-1073/13/19/5079">https://www.mdpi.com/1996-1073/13/19/5079</a>
18	R. Anand Kumar	Wear performance and Mechanical properties of Unidirectional Sisal/Carbon/Flax Hybrid Reinforced Epoxy Composites	IOP Conf. Ser.: Mater. Sci. Eng	Scopus	<a href="https://iopscience.iop.org/article/10.1088/1757-899X/988/1/012010">https://iopscience.iop.org/article/10.1088/1757-899X/988/1/012010</a>
19	Ravishankar Sathyamurthy	Extraction of drinking water from modified inclined solar still incorporated with spiral tube solar water heater	Journal of Water Process Engineering	SCI	<a href="https://doi.org/10.1016/j.jwpe.2020.101613">https://doi.org/10.1016/j.jwpe.2020.101613</a>
20	D. Mohankumar	Computational study of heat-transfer in extended surfaces with various geometries	IOP Conf. Ser.: Mater. Sci. Eng	Scopus	<a href="https://iopscience.iop.org/article/10.1088/1757-899X/1059/1/012055">https://iopscience.iop.org/article/10.1088/1757-899X/1059/1/012055</a>

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21	D.Balaji	Experimental investigation on mechanical properties of banana/snake grass fiber reinforced hybrid composites	Materials Today: Proceeding	SCOPUS	<a href="https://www.sciencedirect.com/science/article/pii/S2214785320372643">https://www.sciencedirect.com/science/article/pii/S2214785320372643</a>
22	D.Balaji	Experimental investigation on mechanical properties of banana/snake grass fiber reinforced hybrid composites	Materials Today: Proceedings	Scopus	<a href="https://www.sciencedirect.com/science/article/pii/S2214785320372643">https://www.sciencedirect.com/science/article/pii/S2214785320372643</a>
23	K. R. Sumesh	Multi Response Optimization on Machinability of SiC Waste Fillers Reinforced Polymer Matrix Composite Using Taguchi's Coupled Grey Relational Analysis	Silicon	SCI	<a href="https://link.springer.com/article/10.1007/s12633-020-00782-x">https://link.springer.com/article/10.1007/s12633-020-00782-x</a>
24	L.Rajeshkumar	Tribological Behaviour of MoS <sub>2</sub> and Graphite Reinforced Aluminium Matrix Composites	<u>IOP Conference Series: Materials Science and Engineering</u>	SCOPUS	<a href="https://iopscience.iop.org/article/10.1088/1757-899X/1059/1/012021/meta">https://iopscience.iop.org/article/10.1088/1757-899X/1059/1/012021/meta</a>
25	Ravishankar Sathyamurthy	Sustainable potable water production from conventional solar still during the winter season at Algerian dry areas: energy and exergy analysis	Journal of Thermal analysis and calorimetry	SCI	<a href="https://link.springer.com/article/10.1007/s10973-020-10277-x">https://link.springer.com/article/10.1007/s10973-020-10277-x</a>

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26	Ravishankar Sathyamurthy	A comprehensive review of technologies used to improve the performance of PV systems in a view of cooling mediums, reflectors design, spectrum splitting, and economic analysis	Environmental Science and pollution research	SCI	<a href="https://link.springer.com/article/10.1007/s11356-020-11008-3">https://link.springer.com/article/10.1007/s11356-020-11008-3</a>
27	Ravishankar Sathyamurthy	Wall-suspended trays inside stepped distiller with Al <sub>2</sub> O <sub>3</sub> /paraffin wax mixture and vapor suction: Experimental implementation	Journal of Energy storage	SCI	<a href="https://doi.org/10.1016/j.est.2020.102008">https://doi.org/10.1016/j.est.2020.102008</a>
28	Ravishankar Sathyamurthy	An extensive review on thermodynamic aspect based solar desalination techniques	Journal of Thermal analysis and Calorimetry	SCI	<a href="https://link.springer.com/article/10.1007/s10973-020-10269-x">https://link.springer.com/article/10.1007/s10973-020-10269-x</a>
29	Ravishankar Sathyamurthy	An experimental investigation on single cylinder RCCI engine fuelled with diesel/petrol	Journal of Physics: Conference Series	SCOPUS	10.1088/1742-6596/1706/1/012200
30	Ravishankar Sathyamurthy	Rain Tree (Samanea saman) Seed Oil: Solvent Extraction, Optimization, and Characterization	Journal of Bioresources and Bioproducts	SCOPUS	<a href="https://www.sciencedirect.com/science/article/pii/S2369969821000372">https://www.sciencedirect.com/science/article/pii/S2369969821000372</a>

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31	Ravishankar Sathyamurthy	Optimization of Alkali Treatment Process Parameters for Kenaf Fiber: Experiments Design	Journal of Natural Fibers	SCI	<a href="https://doi.org/10.1080/15440478.2020.1856276">https://doi.org/10.1080/15440478.2020.1856276</a>
32	Ravishankar Sathyamurthy	Experimental investigation to enhance the low-temperature nitrogen oxide emission reduction in biodiesel exhaust using selective catalytic reduction with direct ammonia injection and manganese cerium zirconia catalyst	<u>Environmental Progress &amp; Sustainable Energy</u>	SCI	<a href="https://doi.org/10.1002/ep.13622">https://doi.org/10.1002/ep.13622</a>
33	K. R. Sumesh	Mechanical, water absorption and wear characteristics of novel polymeric composites: Impact of hybrid natural fibers and oil cake filler	J Industrial Textiles	SCI	<a href="https://doi.org/10.1177/1528083720971344">10.1177/1528083720971344</a>
34	L. Prabhu	Mechanical and Acoustic Properties of Alkali-Treated Sansevieria ehrenbergii/Camellia sinensis Fiber–Reinforced Hybrid Epoxy Composites	Applied Composite Materials	SCI	<a href="https://link.springer.com/article/10.1007/s10443-020-09840-4">https://link.springer.com/article/10.1007/s10443-020-09840-4</a>

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35	L.Rajeshkumar	Impact of silane treatment on characterization of Ipomoea Staphylina plant fiber reinforced epoxy composites	Journal of Natural Fibers	SCI	10.1080/15440478.2021.1902896
36	R. Vishnuvardhan	Bio-fuel production from Martynia annua L. seeds using slow pyrolysis reactor and its effects on diesel engine performance, combustion and emission characteristics.	Energy (2020):	SCI	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0360544220324348">https://www.sciencedirect.com/science/article/abs/pii/S0360544220324348</a>
37	Ravishankar Sathyamurthy	A State of Art Critical Review on Advancement in MXenes for Electrochemical Energy Storage in the View of Interlayer Spacing	ECS Transactions	SCOPUS	<a href="https://doi.org/10.1149/09901.0143ecst">https://doi.org/10.1149/09901.0143ecst</a>
38	Ravishankar Sathyamurthy	Augmenting the potable water produced from single slope solar still using CNT doped paraffin wax as energy storage- An experimental approach	Journal of the Brazilian Society of Mechanical Sciences and Engineering	SCI	<a href="https://doi.org/10.1007/s40430-020-02703-w">https://doi.org/10.1007/s40430-020-02703-w</a>
39	Ravishankar Sathyamurthy	Experimental investigation on cooling the photo voltaic panel using hybrid nanofluids	Applied Nanoscience	SCI	<a href="https://link.springer.com/article/10.1007/s13204-020-01598-2">https://link.springer.com/article/10.1007/s13204-020-01598-2</a>



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40	Ravishankar Sathyamurthy	Feasibility study of neat plastic oil with TiO <sub>2</sub> nanoadditive as an alternative fuel in internal combustion engine	Journal of Thermal analysis and calorimetry	SCI	<a href="https://doi.org/10.1007/s10973-021-10657-x">10.1007/s10973-021-10657-x</a>
41	Ravishankar Sathyamurthy	Investigation on the performance Enhancement of Single Slope Solar Still using Green Fiber Insulation derived from Artocarpus heterophyllus Rags Reinforced with Azadirachta indica Gum	Environmental Science and Pollution research	SCI	10.1007/s11356-021-13062-x
42	Ravishankar Sathyamurthy	Augmented performance of solar desalination unit by utilization of nano-silicon coated glass cover for promoting dropwise condensation	Desalination	SCI	<a href="https://doi.org/10.1016/j.desal.2021.115191">https://doi.org/10.1016/j.desal.2021.115191</a>
43	Ravishankar Sathyamurthy	Influence of fins on the absorber plate of tubular solar still- An experimental study	Materials today proceedings	SCOPUS	<a href="https://doi.org/10.1016/j.matpr.2020.11.355">https://doi.org/10.1016/j.matpr.2020.11.355</a>
44	Ravishankar Sathyamurthy	A comparative study on solar dryer using external reflector for drying	Materials today proceedings	SCOPUS	<a href="https://sci-hub.hkvisa.net/10.1016/j.matpr.2020.11.355">https://sci-hub.hkvisa.net/10.1016/j.matpr.2020.11.355</a>

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		grapes			197
45	Ravishankar Sathyamurthy	Analysis of DI CI engine fueled with neat plastic oil and titanium oxide nanomaterial as additive	Materials today proceedings	SCOPUS	<a href="https://scihub.hkvisa.net/10.1016/j.matpr.2020.11.204">https://scihub.hkvisa.net/10.1016/j.matpr.2020.11.204</a>
46	Ravishankar Sathyamurthy	A Review on PEM Fuel Cells Used for Automotive Applications, Models and Hydrogen Storage for Hybrid Electric Fuel Cell Vehicle	SAE Technical papers	SCOPUS	<a href="https://www.sae.org/publications/technical-papers/content/2020-01-5173/">https://www.sae.org/publications/technical-papers/content/2020-01-5173/</a>
47	Ravishankar Sathyamurthy	Phosphate bed as energy storage materials for augmentation of	Environmental progress and sustainable energy	SCI	<a href="https://aiche.onlinelibrary.wiley.com/doi/abs/10.1002/ep.13581">https://aiche.onlinelibrary.wiley.com/doi/abs/10.1002/ep.13581</a>
48	V.Bhuvaneshwari	Mechanical and water absorption properties of Calotropis gigantea plant fibers reinforced polymer composites	Materials Today: Proceedings	Scopus	<a href="https://www.sciencedirect.com/science/article/pii/S2214785320391446">https://www.sciencedirect.com/science/article/pii/S2214785320391446</a>

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49	K Ravikumar	Machinability Analysis and Optimization in Micro turning on tool wear for Titanium Alloy, Materials and Manufacturing Processes	Materials and Manufacturing Processes	SCI	<a href="https://www.tandfonline.com/doi/abs/10.1080/10426914.2020.1866198">https://www.tandfonline.com/doi/abs/10.1080/10426914.2020.1866198</a>
50	K Ravikumar	Influence on Mechanical Behaviour and Characterization of A6063/Bagasse and Titanium Nitride Hybrid Composites	Trans Indian Inst Met	SCI	<a href="https://link.springer.com/article/10.1007/s12666-020-02143-z">https://link.springer.com/article/10.1007/s12666-020-02143-z</a>
51	N. Karthi	Tribological and Thermo-Mechanical Performance of Chemically Modified Musa Acuminata/Corchorus Capsularis Reinforced Hybrid Composites	Journal of Natural Fibers	SCI	<a href="https://www.tandfonline.com/doi/abs/10.1080/15440478.2020.1870614?journalCode=wjnf20">https://www.tandfonline.com/doi/abs/10.1080/15440478.2020.1870614?journalCode=wjnf20</a>
52	Ravishankar Sathyamurthy	Response Surface Methodology based Prediction of Biodiesel Production from Sardine Fish oil Methyl Ester using Microwave Assisted Transesterification Method	IOP Conference Series: Materials Science and Engineering	SCOPUS	Doi: 10.1088/1757-899X/1145/1/012071

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53	Ravishankar Sathyamurthy	Heat transfer and hydraulic characteristics of micro finned tube inserted with twisted tape inserts and hybrid nanofluid (CNT/Al <sub>2</sub> O <sub>3</sub> )	Advances in Materials and Processing Technologies	SCI	<a href="https://www.tandfonline.com/doi/abs/10.1080/2374068X.2021.1872245">https://www.tandfonline.com/doi/abs/10.1080/2374068X.2021.1872245</a>
54	Ravishankar Sathyamurthy	Performance analysis of a modified solar still using reduced graphene oxide coated absorber plate with activated carbon pellet	Sustainable energy and technologies assessments	SCI	<a href="https://doi.org/10.1016/j.seta.2021.101046">https://doi.org/10.1016/j.seta.2021.101046</a>
55	Ravishankar Sathyamurthy	Effect of iso-butanol blends in spark ignition engine as an alternative	Journal of the Institution of Engineers (India) Series E	SCI	<a href="https://doi.org/10.1007/s40034-021-00209-1">https://doi.org/10.1007/s40034-021-00209-1</a>
56	S. Sathish	A review of natural fiber composites: Extraction methods, chemical treatments and applications	Materials Today: Proceedings	Scopus	<a href="https://www.sciencedirect.com/science/article/pii/S2214785320408235">https://www.sciencedirect.com/science/article/pii/S2214785320408235</a>
57	S. Vasanthaseelan	Performance, combustion and emission characteristics of a DI-CI diesel engine fueled with corn oil methyl ester biodiesel	Sustainable Energy Technologies and Assessments	SCI	<a href="https://www.sciencedirect.com/science/article/pii/S2213138820314090">https://www.sciencedirect.com/science/article/pii/S2213138820314090</a>

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58	V.Bhuvaneshwari	Deep learning for material synthesis and manufacturing systems: A review	Materials Today: Proceedings	Scopus	<a href="https://www.sciencedirect.com/science/article/pii/S2214785320389641">https://www.sciencedirect.com/science/article/pii/S2214785320389641</a>
59	B. Arulmurugan	Investigation on mechanical and microstructure characteristics of nickel based C-2000 super alloy using laser beam welding	Materials Today: Proceedings,	Scopus	<a href="https://www.sciencedirect.com/science/article/pii/S2214785321004843">https://www.sciencedirect.com/science/article/pii/S2214785321004843</a>
60	K. R. Sumesh	Influence of Phoenix sp. Fiber Content on the Viscoelastic Properties of Polymer Composites	Materials, Design, and Manufacturing for Sustainable Environment, Lecture Notes in Mechanical	SCI	<a href="https://link.springer.com/chapter/10.1007/978-981-15-9809-8_10">https://link.springer.com/chapter/10.1007/978-981-15-9809-8_10</a>
61	L. Prabhu	A review on natural fiber reinforced hybrid composites: chemical treatments, manufacturing methods and potential applications	Materials Today: Proceedings	Scopus	<a href="https://www.sciencedirect.com/science/article/pii/S2214785321003692">https://www.sciencedirect.com/science/article/pii/S2214785321003692</a>

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62	L.Rajeshkumar	Influence of Haritaki nano-powder on thermo-mechanical, water absorption and morphological properties of Tindora tendrils fiber reinforced epoxy composites	Journal of Natural Fibers	SCI	<a href="https://doi.org/10.1080/15440478.2021.1921660">https://doi.org/10.1080/15440478.2021.1921660</a>
63	M Makesh Kumar	Investigation on surface modified Al7075 with niobium by friction stir processing	Materials Today: Proceedings,	Scopus	<a href="https://www.sciencedirect.com/science/article/pii/S2214785321001176">https://www.sciencedirect.com/science/article/pii/S2214785321001176</a>
64	N. Karthi	Effect of weight fraction on the mechanical properties of flax and jute fibers reinforced epoxy hybrid composites	Materials Today: Proceedings	Scopus	<a href="https://www.sciencedirect.com/science/article/pii/S2214785320407783">https://www.sciencedirect.com/science/article/pii/S2214785320407783</a>
65	P. Manoj Kumar	Study on Performance Enhancement of SPV Panel Incorporating a Nanocomposite PCM as Thermal Regulator."	Lecture Notes in Mechanical Engineering.	SCI	<a href="https://link.springer.com/chapter/10.1007/978-981-15-9809-8_44">https://link.springer.com/chapter/10.1007/978-981-15-9809-8_44</a>
66	P. Manoj Kumar	Experimental analysis of solar concrete collector for residential buildings	International Journal of Green Energy	SCI	<a href="https://www.tandfonline.com/doi/abs/10.1080/15435075.2021.1875468">https://www.tandfonline.com/doi/abs/10.1080/15435075.2021.1875468</a>

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67	P. Manoj Kumar	Investigating a single slope solar still with a nano-phase change material	Materials Today: Proceedings	Scopus	<a href="https://www.sciencedirect.com/science/article/pii/S221478532040522X#!">https://www.sciencedirect.com/science/article/pii/S221478532040522X#!</a>
68	P. Manoj Kumar	Thermal characteristics analysis of a phase change material under the influence of nanoparticles	Materials Today: Proceedings	Scopus	<a href="https://www.sciencedirect.com/science/article/pii/S2214785320402226">https://www.sciencedirect.com/science/article/pii/S2214785320402226</a>
69	P. Manoj Kumar	Investigation on a desiccant based solar water recuperator for generating water from atmospheric air	Materials Today: Proceedings,	Scopus	<a href="https://www.sciencedirect.com/science/article/pii/S2214785320402238">https://www.sciencedirect.com/science/article/pii/S2214785320402238</a>
70	R. Bharathwaaj	Feasibility study of neat plastic oil with TiO <sub>2</sub> nanoadditive as an alternative fuel in internal combustion engine	Journal of Thermal Analysis and Calorimetry	SCI	<a href="https://www.x-mol.com/paper/1365436014313172992">https://www.x-mol.com/paper/1365436014313172992</a>
71	Ravishankar Sathyamurthy	Experimental Investigation To Control Hc, Co & Nox Emissions From Diesel Engines Using Diesel Oxidation Catalyst	Materials today proceedings	SCOPUS	<a href="https://www.sciencedirect.com/science/article/pii/S2214785320396401">https://www.sciencedirect.com/science/article/pii/S2214785320396401</a>

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72	Ravishankar Sathyamurthy	Experimental analysis on single and double basin single slope solar still with energy storage material and external heater	Materials today proceedings	SCOPUS	<a href="https://www.sciencedirect.com/science/article/pii/S2214785320401610">https://www.sciencedirect.com/science/article/pii/S2214785320401610</a>
73	Ravishankar Sathyamurthy	Effect of Kerosene and Methanol Blending with Pongamia Pinnata Biodiesel on Diesel Engine Performance and Emission Characteristics	IOP Conference Series: Materials Science and Engineering	SCOPUS	10.1088/1757-899X/1130/1/012030
74	Ravishankar Sathyamurthy	Performance, combustion and emission characteristics of a DI-CI diesel engine fueled with corn oil methyl ester biodiesel blends	Sustainable energy and technologies assessments	SCI	<a href="https://www.sciencedirect.com/science/article/abs/pii/S2213138820314090">https://www.sciencedirect.com/science/article/abs/pii/S2213138820314090</a>
75	Ravishankar Sathyamurthy	Performance enhancements of conventional solar still using reflective aluminium foil sheet and reflective glass mirrors: energy and exergy analysis	Environmental Science and Pollution research, Springer	SCI	<a href="https://link.springer.com/article/10.1007/s11356-021-13087-2">https://link.springer.com/article/10.1007/s11356-021-13087-2</a>
76	Ravishankar Sathyamurthy	Effect of fins and silicon dioxide nanoparticle black paint on the absorber plate for augmenting yield from tubular	Environmental Science and Pollution research	SCI	10.1007/s11356-021-13126-y



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		solar still			
77	Ravishankar Sathyamurthy	Energy, exergy and economic investigation of passive and active inclined solar still: experimental study	Journal of Thermal Analysis and Calorimetry	SCI	<a href="https://link.springer.com/article/10.1007/s10973-020-10501-8">https://link.springer.com/article/10.1007/s10973-020-10501-8</a>
78	S. Gokulkumar	Acoustical and mechanical optimization of Camellia Sinensis/Ananas Comosus/GFRP/Epoxy composites by TOPSIS & Weighted Aggregates Sum Product Assessment method	Materials Today: Proceedings,	Scopus	<a href="https://www.sciencedirect.com/science/article/pii/S2214785320407163">https://www.sciencedirect.com/science/article/pii/S2214785320407163</a>
79	Sayahnya Roy	Quantification of turbulent structures in and around the boundary region of a turbulent round jet released into counter-flow	Measurement	SCI	<a href="https://www.sciencedirect.com/science/article/abs/pii/S0263224120312586">https://www.sciencedirect.com/science/article/abs/pii/S0263224120312586</a>

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80	B. Arulmurugan	Development of arc welding technique to preclude microsegregation in the dissimilar joint of Alloy C-2000 and C-276.	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering	SCI	<a href="https://journals.sagepub.com/doi/abs/10.1177/09544089211000011">https://journals.sagepub.com/doi/abs/10.1177/09544089211000011</a>
81	C. Senthil kumar	Experimental analysis on inactive region of evacuated tube solar collector using twisted tapes	IOP Conference Series: Materials Science and Engineering	Scopus	<a href="https://iopscience.iop.org/article/10.1088/1757-899X/1145/1/012033/meta">https://iopscience.iop.org/article/10.1088/1757-899X/1145/1/012033/meta</a>
82	C. Senthil kumar	Experimental Analysis on the Inactive region of Evacuated tube Solar Collector using Twisted Tapes	IOP Conference Series: Materials Science and Engineering	Scopus	<a href="https://iopscience.iop.org/article/10.1088/1757-899X/1145/1/012033/meta">https://iopscience.iop.org/article/10.1088/1757-899X/1145/1/012033/meta</a>
83	D. Mohankumar	Extraction of plant based natural fibers– A mini review	IOP Conference Series: Materials Science and Engineering	Scopus	<a href="https://iopscience.iop.org/article/10.1088/1757-899X/1145/1/012023">https://iopscience.iop.org/article/10.1088/1757-899X/1145/1/012023</a>

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84	E. Joel	Differentiation of the material characteristics in an arandela muelle valvula	IOP Conference Series: Materials Science and Engineering	Scopus	<a href="https://iopscience.iop.org/article/10.1088/1757-899X/1145/1/012094">https://iopscience.iop.org/article/10.1088/1757-899X/1145/1/012094</a>
85	G. Krishnamoorthi	Modelling and Simulation of Thermo-Physical Property of Composite Material	IOP Conference Series: Materials Science and Engineering	Scopus	<a href="https://iopscience.iop.org/article/10.1088/1757-899X/1145/1/012035">https://iopscience.iop.org/article/10.1088/1757-899X/1145/1/012035</a>
86	L. Prabhu	Experimental investigation on mechanical properties of flax/banana/ industrial waste tea leaf fiber reinforced hybrid polymer composites	Materials Today: Proceedings	Scopus	<a href="https://www.sciencedirect.com/science/article/pii/S2214785321011731">https://www.sciencedirect.com/science/article/pii/S2214785321011731</a>
87	L.Rajeshkumar	Influence of process paramaters on the properties of additively manufactured fiber reinforced polymer composites: A review	Journal of Materials Engineering and Performance	SCI	<a href="https://doi.org/10.1007/s11665-021-05832-y">https://doi.org/10.1007/s11665-021-05832-y</a>
88	M. Kumar	Parameter optimization of SLS Sinterstation 2500plus using GRA for better surface finish and dimensional accuracy	Materials Today: Proceedings	Scopus	<a href="https://www.sciencedirect.com/science/article/pii/S2214785321007355">https://www.sciencedirect.com/science/article/pii/S2214785321007355</a>

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89	P Nikhil Babu	Energy efficient refrigeration system with simultaneous heating and cooling	Materials Today Proceedings	Scopus	<a href="https://www.sciencedirect.com/science/article/pii/S2214785321020915">https://www.sciencedirect.com/science/article/pii/S2214785321020915</a>
90	P. Manoj Kumar	Development of mathematical model to study the effect of indoor air quality parameters and optimization using response surface methodology	Materials Today Proceedings	Scopus	<a href="https://www.sciencedirect.com/science/article/pii/S2214785321021064">https://www.sciencedirect.com/science/article/pii/S2214785321021064</a>
91	Ravishankar Sathyamurthy	A novel reduced graphene oxide based absorber for augmenting the water yield and thermal performance of solar desalination unit.	Materials letters	SCI	<a href="https://doi.org/10.1016/j.matlet.2020.128867">https://doi.org/10.1016/j.matlet.2020.128867</a>
92	Ravishankar Sathyamurthy	Process Optimization and Characterization of Manila Tamarind Seed Oil Extracted by the Soxhlet Method	International Journal of Energy for a Clean Environment	SCI	10.1615/InterJEnerCleanEnv.2020034890
93	Ravishankar Sathyamurthy	Secondary transmission of SARS-CoV-2 through wastewater: Concerns and tactics for treatment to effectively control the pandemic	Journal of Environmental Management	SCI	<a href="https://doi.org/10.1016/j.jenvman.2021.112668">https://doi.org/10.1016/j.jenvman.2021.112668</a>

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94	Ravishankar Sathyamurthy	Effect of design parameters on fresh water produced from triangular basin and conventional basin solar still	International Journal of Photoenergy	SCI	<a href="https://doi.org/10.1155/2021/6619138">https://doi.org/10.1155/2021/6619138</a>
95	S. Ramesh Babu	Design and Manufacturing of Internet of Things based Mobile Application Controlled Automobile Screw Jack	IOP Conference Series: Materials Science and Engineering	Scopus	<a href="https://iopscience.iop.org/article/10.1088/1757-899X/1145/1/012030/pdf">https://iopscience.iop.org/article/10.1088/1757-899X/1145/1/012030/pdf</a>
96	T. Kannan	Friction Stir Welding of dissimilar Materials (AA2024 & AA6063) and Investigation of Mechanical Properties."	IOP Conference Series: Materials Science and Engineering	Scopus	<a href="https://iopscience.iop.org/article/10.1088/1757-899X/1145/1/012029">https://iopscience.iop.org/article/10.1088/1757-899X/1145/1/012029</a>
97	V.Bhuvaneshwari	Productivity enhancement through coating of core box-A Review	IOP Conference Series: Materials Science and Engineering	Scopus	<a href="https://iopscience.iop.org/article/10.1088/1757-899X/1145/1/012025">https://iopscience.iop.org/article/10.1088/1757-899X/1145/1/012025</a>
98	P. Manoj Kumar	Augmenting the performance of conventional solar still through the nano-doped black paint (NDBP) coating on absorber	Materials Today Proceedings	Scopus	<a href="https://www.sciencedirect.com/science/article/pii/S2214785321028261">https://www.sciencedirect.com/science/article/pii/S2214785321028261</a>

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99	B. Arulmurugan	Influence of overalloyed filler wire to preclude the microsegregation in weld joint of alloy C-276	Journal of Chemical Technology and Metallurgy	Scopus	<a href="https://dl.uctm.edu/journal/node/j2021-4/26_20-98p853-856.pdf">https://dl.uctm.edu/journal/node/j2021-4/26_20-98p853-856.pdf</a>
100	D.Balaji	Catalyst derived from wastes for biofuel production – A critical review and patent landscape analysis	Applied Nanoscience	SCI	<a href="https://link.springer.com/article/10.1007/s13204-021-01948-8">https://link.springer.com/article/10.1007/s13204-021-01948-8</a>
101	K. R. Sumesh	The influence of different parameters in tribological characteristics of pineapple/sisal/TiO <sub>2</sub> filler incorporation	Journal of Industrial Textiles	SCI	<a href="https://doi.org/10.1177/15280837211022614">https://doi.org/10.1177/15280837211022614</a>
102	L.Rajeshkumar	Carbon substrates: A review on fabrication, properties and applications	Carbon Letters	SCI	<a href="https://link.springer.com/article/10.1007/s42823-021-00264-z">https://link.springer.com/article/10.1007/s42823-021-00264-z</a>
103	L.Rajeshkumar	Microstructure and properties of YSZ-Al <sub>2</sub> O <sub>3</sub> functional ceramic thermal barrier coatings for military applications	Boletín de la Sociedad Española de Cerámica y Vidrio	SCI	<a href="https://www.sciencedirect.com/science/article/pii/S0366317521000571">https://www.sciencedirect.com/science/article/pii/S0366317521000571</a>
104	M. Kumar	Elimination of Visor Defects Using 7	Materials Today	Scopus	<a href="https://www.sciencedirect.com/science/a">https://www.sciencedirect.com/science/a</a>

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		QC Tools	Proceedings		<a href="https://doi.org/10.1007/978-98-99-96421-0_1">rticle/pii/S2214785321024342</a>
105	P. Sabarinathan	Mechanical and Abrasion Resistance Properties of Concrete Containing Recycled Abrasive Waste as Partial Replacement of Fine Aggregate	Arabian Journal for Science and Engineering	SCI	<a href="https://link.springer.com/article/10.1007/s13369-021-05649-w#citeas">https://link.springer.com/article/10.1007/s13369-021-05649-w#citeas</a>
106	Ravishankar Sathyamurthy	Numerical Analysis of Nanoparticle-based coolants in Automobile Radiator	SAE Technical papers	SCOPUS	<a href="https://doi.org/10.4271/2021-01-0819">https://doi.org/10.4271/2021-01-0819</a>
107	Ravishankar Sathyamurthy	Experimental investigation on DI diesel engine fueled with the Vachellia nilotica seed oil methyl ester and diesel blends emission and performance characteristics	ACS Omega	SCOPUS	DOI:10.1021/acsomega.1c00437
108	Ravishankar Sathyamurthy	A relative study on energy and exergy analysis between conventional single slope and novel stepped absorbable plate solar stills	Environmental Science and Pollution Research	SCI	<a href="https://link.springer.com/article/10.1007/s11356-021-14640-9">https://link.springer.com/article/10.1007/s11356-021-14640-9</a>

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109	N.Gunasekaran	Investigation on ETC Solar Water Heater using Twisted Tape Inserts	Materials Today Proceedings	Scopus	<a href="https://www.sciencedirect.com/science/article/pii/S2214785321035124">https://www.sciencedirect.com/science/article/pii/S2214785321035124</a>
110	P. Manoj Kumar	Investigating Performance of Solar Photovoltaic using a Nano Phase Change Material	Materials Today Proceedings	Scopus	<a href="https://www.sciencedirect.com/science/article/pii/S2214785321035434">https://www.sciencedirect.com/science/article/pii/S2214785321035434</a>
111	D. Mohankumar	Computational study of heat-transfer in extended surfaces with various geometries	IOP Conference Series: Materials Science and Engineering	Scopus	<a href="https://iopscience.iop.org/article/10.1088/1757-899X/1059/1/012055">https://iopscience.iop.org/article/10.1088/1757-899X/1059/1/012055</a>
112	B. Arulmurugan	Influence of filler wire and welding process to mitigate the microsegregation of alloy C2000 using continuous and pulsed current gas tungsten arc welding techniques	Journal of Materials Engineering and Performance,	SCI	<a href="https://www.springerprofessional.de/en/influence-of-filler-wire-and-welding-process-to-mitigate-the-mic/19159086">https://www.springerprofessional.de/en/influence-of-filler-wire-and-welding-process-to-mitigate-the-mic/19159086</a>
113	L.Rajeshkumar	Influence of fiber surface treatment on the tribological properties of Calotropis gigantea plant fiber reinforced polymer composites	Polymer Composites	SCI	<a href="https://doi.org/10.1002/pc.26149">https://doi.org/10.1002/pc.26149</a>



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114	N. Udhayakumar	An Experimental Study on Emission Characteristics in Compression Ignition Engine with Silver and Zinc Coated Catalytic Converter	Materials Today Proceedings	Scopus	<a href="https://www.sciencedirect.com/science/article/pii/S221478532103234X">https://www.sciencedirect.com/science/article/pii/S221478532103234X</a>
115	P. Sabarinathan	Method for recovering cubic boron nitride abrasive grains from vitrified cBN stones – A preliminary study	Manufacturing Letters	SCI	<a href="https://www.sciencedirect.com/science/article/abs/pii/S2213846321000286">https://www.sciencedirect.com/science/article/abs/pii/S2213846321000286</a>
116	R. Anand Kumar	Investigations on the mechanical properties of natural fiber granulated composite using hybrid additive manufacturing – An Novel approach	Advances in Materials Science and Engineering	SCI	<a href="https://www.hindawi.com/journals/amse/2021/5536171/">https://www.hindawi.com/journals/amse/2021/5536171/</a>
117	Ravishankar Sathyamurthy	Analysis on performance and emission characteristics of corn oil methyl ester blended with diesel and cerium oxide nanoparticle	Case studies in Thermal Engineering	SCI	<a href="https://www.sciencedirect.com/science/article/pii/S2214157X21002409">https://www.sciencedirect.com/science/article/pii/S2214157X21002409</a>
118	Ravishankar Sathyamurthy	Recent advancements, technologies and developments in inclined solar still – A comprehensive review	Environmental Science and Pollution Research	SCI	<a href="https://link.springer.com/article/10.1007/s11356-021-13714-y">https://link.springer.com/article/10.1007/s11356-021-13714-y</a>

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119	Ravishankar Sathyamurthy	Augmenting the productivity of stepped distiller by corrugated and curved liners, CuO/paraffin wax, wick, and vapor suctioning	Environmental Science and Pollution Research	SCI	<a href="https://link.springer.com/article/10.1007/s11356-021-14669-w">https://link.springer.com/article/10.1007/s11356-021-14669-w</a>
120	Ravishankar Sathyamurthy	An experimental investigation of a water desalination unit using different	Environmental Science and Pollution Research	SCI	<a href="https://doi.org/10.1007/s11356-021-12837-6">https://doi.org/10.1007/s11356-021-12837-6</a>
121	S. Sathish	Extraction, Treatment and Applications of Natural Fibers for Bio-Composites – A Critical Review	International Polymer Processing	Scopus	<a href="https://www.degruyter.com/document/doi/10.1515/ipp-2020-4004/html">https://www.degruyter.com/document/doi/10.1515/ipp-2020-4004/html</a>
122	S. Vasanthaseelan	Investigation on solar water heater with different types of turbulators	Materials Today Proceedings	Scopus	<a href="https://www.sciencedirect.com/science/article/pii/S2214785321041390#:~:text=The%20results%20were%20compared%20and,water%20temperature%20was%20boosted%20Dup.">https://www.sciencedirect.com/science/article/pii/S2214785321041390#:~:text=The%20results%20were%20compared%20and,water%20temperature%20was%20boosted%20Dup.</a>

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123	S. Gokulkumar	Investigation on acoustical properties, thermal stabilities and water sorption abilities of finger millet straw fibers, darbha fibers and ripe bulrush fibers	Materials Today Proceedings	Scopus	<a href="https://www.sciencedirect.com/science/article/pii/S2214785321042747">https://www.sciencedirect.com/science/article/pii/S2214785321042747</a>
124	P.Boobalakrishnan	Thermal Management of Metal Roof Building using Phase Change Material (PCM)	Materials Today Proceedings	Scopus	<a href="https://www.sciencedirect.com/science/article/pii/S2214785321035732">https://www.sciencedirect.com/science/article/pii/S2214785321035732</a>
125	D.Balaji	Catalyst derived from wastes for biofuel production: a critical review and patent landscape analysis	Applied Nanoscience	SCI	<a href="https://link.springer.com/article/10.1007/s13204-021-01948-8">https://link.springer.com/article/10.1007/s13204-021-01948-8</a>
126	L.Rajeshkumar	Microstructure and properties of YSZ-Al <sub>2</sub> O <sub>3</sub> functional ceramic thermal barrier coatings for military applications	Boletín de la Sociedad Española de Cerámica y Vidrio	SCI	<a href="https://www.sciencedirect.com/science/article/pii/S0366317521000571">https://www.sciencedirect.com/science/article/pii/S0366317521000571</a>
127	L.Rajeshkumar	Carbon substrates: A review on fabrication, properties and applications	Carbon Letters	SCI	<a href="https://link.springer.com/article/10.1007/s42823-021-00264-z">https://link.springer.com/article/10.1007/s42823-021-00264-z</a>

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128	Ravishankar Sathyamurthy	Recent Advancements in Technical Design and Thermal Performance Enhancement of Solar Greenhouse Dryers	Sustainability	SCI	<a href="https://www.mdpi.com/2071-1050/13/13/7025">https://www.mdpi.com/2071-1050/13/13/7025</a>
129	Ravishankar Sathyamurthy	Comparative study of a conventional solar still with different basin materials using exergy analysis	Desalination and Water Treatment	SCI	<a href="https://www.deswater.com/DWT_abstracts/vol_224/224_2021_55.pdf">https://www.deswater.com/DWT_abstracts/vol_224/224_2021_55.pdf</a>
130	Ravishankar Sathyamurthy	Investigating Rotor Conditions on Wind Turbines Using Integrating Tree Classifiers	International Journal of Photoenergy	SCI	<a href="https://www.hindawi.com/journals/ijp/2022/5389574/">https://www.hindawi.com/journals/ijp/2022/5389574/</a>

  
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