

PSG Institute of Technology and Applied Research

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Publications Details - 2020 and 2021

#	Year	Authors	Title	Source title	Publisher	DOI	Document Type	Indexed in	Department
1	2021	Selvaraj V., Swarna Karthika T., Mansiya C., Alagar M.	An over review on recently developed techniques, mechanisms and intermediate involved in the advanced azo dye degradation for industrial applications	Journal of Molecular Structure	Elsevier B.V.	10.1016/j.molstruc.2020.129195	Review	Scopus	Chemistry
2	2021	Kavithamani C., Sankara Subramanian R.S. , Krishnamurthy S., Chathu J., Iyer G.	An analysis of remotely triggered malware exploits in content management system-based web applications	Advances in Intelligent Systems and Computing	Springer	10.1007/978-981-15-5285-4_15	Conference Paper	Scopus	Mathematics
3	2021	Isanaka B.R., Akbar M.A., Perumal P. , Priyanka R.S.	High performance concrete mixed with combinations of mineral admixtures	Lecture Notes in Civil Engineering	Springer Science and Business Media Deutschland GmbH	10.1007/978-981-15-5195-6_44	Conference Paper	Scopus	Civil Engg.
4	2020	Zhang K., Sun P., Zhang Y., Murugananthan M., Ammasai K. , Zhang Y.	Enhancement of S(IV)-Cr(VI) reaction in p-nitrophenol degradation using rice husk biochar at neutral conditions	Science of the Total Environment	Elsevier B.V.	10.1016/j.scitotenv.2020.142086	Article	Scopus	Chemistry
5	2020	Santhana V. , Greenidge D.C., Thangaraju D. , Marnadu R., Alshahrani T., Shkir M.	Synthesis and emission characteristics of lead-free novel Cs ₄ SnBr ₆ /SiO ₂ nanocomposite	Materials Letters	Elsevier B.V.	10.1016/j.matlet.2020.128562	Article	Scopus	Physics
6	2020	Sudarshan C., Jayakumar S. , Vaideki K., Sudakar C.	Te-rich Bi ₂ Te ₃ thin films by electron-beam deposition: Structural, electrical, optical and thermoelectric properties	Thin Solid Films	Elsevier B.V.	10.1016/j.tsf.2020.138355	Article	Scopus	Physics
7	2020	Balasubramani V., Chandrasekaran J., Nguyen T. D., Maruthamuthu S. , Marnadu R., Vivek P., Sugarthi S.	Colossal photosensitive boost in Schottky diode behaviour with Ce-V ₂ O ₅ interfaced layer of MIS structure	Sensors and Actuators, A: Physical	Elsevier B.V.	10.1016/j.sna.2020.112333	Article	Scopus	Physics
8	2020	Satheeshkumar E., Prabunathan P. , Anbarasi P., Ilango K., Manohar P.	Temperature dependent electrical properties of YSZ synthesized through microwave combustion	Applied Physics A: Materials Science and Processing	Springer	10.1007/s00339-020-03893-9	Article	Scopus	Chemistry
9	2020	Pichaimani P. , Arumugam H. , Gopalakrishnan D., Krishnasam B. , Muthukaruppan A.	Partially Exfoliated α -ZrP Reinforced Unsaturated Polyester Nanocomposites by Simultaneous Co-polymerization and Brønsted Acid-Base Strategy	Journal of Inorganic and Organometallic Polymers and Materials	Springer	10.1007/s10904-020-01558-x	Article	Scopus	Chemistry
10	2020	Chen T., Wang X., Peng C., Chen G., Yuan C., Xu Y., Zeng B., Luo W., Balaji K. , Petri D.F.S., Dai L.	Efficient Flame Retardancy, Smoke Suppression, and Mechanical Enhancement of β -FeOOH@Metallo-Supramolecular Polymer Core-Shell Nanorod Modified Epoxy Resin	Macromolecular Materials and Engineering	Wiley-VCH Verlag	10.1002/mame.202000137	Article	Scopus	Chemistry
11	2020	Kajana T., Velauthapillai D., Shivatharsiny Y., Ravirajan P., Yuvapragasam A. , Senthilnathanan M.	Structural and photoelectrochemical characterization of heterostructured carbon sheet/Ag ₂ MoO ₄ -SnS/Pt photocapacitor	Journal of Photochemistry and Photobiology A: Chemistry	Elsevier B.V.	10.1016/j.jphotochem.2020.112784	Article	Scopus	Physics
12	2020	Vadivel M., Kumar M.S.C., Mohaideen J.A., Alagar M. , Sankarganesh M., Raja J.D.	Hybrid siliconized-epoxidized EPDM/polyurethane (eEPDM-g-APTES/HTPDMS/PU) matrices for potential application in cable insulation	Polymers and Polymer Composites	SAGE Publications Ltd	10.1177/0967391119894169	Article	Scopus	Chemistry
13	2020	Dinesh Kumar G., Prabunathan P. , Manoj M. , Hariharan A. , Alagar M.	Fluorine Free Bio-Based Polybenzoxazine Coated Substrates for Oil-Water Separation and Anti-Icing Applications	Journal of Polymers and the Environment	Springer	10.1007/s10924-020-01782-z	Article	Scopus	Chemistry
14	2020	Prasanth A.S., Ramesh R. , Kavinesh Sankaar T.S.	Ballistic testing and simulation of co-continuous ceramic composite for body armour	International Journal of Engineering Transactions C: Aspects	Materials and Energy Research Center	10.5829/ije.2020.33.09c.13	Article	Scopus	Mechanical Engg.
15	2020	Kumaravel A. , Murugananthan M. , Mangalam R. , Jayakumar S.	A novel, biocompatible and electrocatalytic stearic acid/nanosilver modified glassy carbon electrode for the sensing of paraoxon pesticide in food samples and commercial formulations	Food Chemistry	Elsevier Ltd	10.1016/j.foodchem.2020.126814	Article	Scopus	Chemistry

16	2020	Gunasekaran S., Thangaraju D. , Marnadu R., Chandrasekaran J., Alshahrani T., Shkir M., Durairajan A., Graça M.P.F., Elango M.	Fabrication of high-performance SiO ₂ @p-CuO/n-Si core-shell structure based photosensitive diode for photodetection application	Surfaces and Interfaces	Elsevier B.V.	10.1016/j.surf.2020.100622	Article	Scopus	Mechanical Engg.
17	2020	Mohamed Ismail A.A., Kannadasan K., Pichaimani P., Arumugam H., Muthukaruppan A.	Synthesis and characterisation of sodium silicate from spent foundry sand: Effective route for waste utilisation	Journal of Cleaner Production	Elsevier Ltd	10.1016/j.jclepro.2020.121689	Article	Scopus	Civil Engg.
18	2020	Kurinchyselvan S., Chandramohan A., Hariharan A. , Gomathipriya P., Alagar M.	Cardanol-based benzoxazine-terminated graphene oxide-reinforced fluorinated benzoxazine hybrid composites for low K applications	Composite Interfaces	Taylor and Francis Ltd.	10.1080/09276440.2019.1697132	Article	Scopus	Chemistry
19	2020	Bavithra K. , Charles Raja S., Anadhakumar K., Latha R.	Parameter optimisation of FACTS using cuckoo search algorithm for ATC enhancement in restructured power systems	International Energy Journal	Regional Energy Resources Information Center (RERIC), Asian Institute of Technology		Article	Scopus	Electrical and Electronics Engg.
20	2020	Hariharan A., Prabunathan P., Manoj M., Alagar M.	Studies on heterocyclic amines based cardanol-benzoxazine for oil-water separation	Polymer Engineering and Science	John Wiley and Sons Inc.	10.1002/pen.25396	Article	Scopus	Chemistry
21	2020	Manoj M., Kumaravel A., Mangalam R., Prabunathan P., Hariharan A., Alagar M.	Exploration of high corrosion resistance property of less hazardous pyrazolidine-based benzoxazines in comparison with bisphenol-F derivatives	Journal of Coatings Technology and Research	Springer	10.1007/s11998-019-00312-4	Article	Scopus	Chemistry
22	2020	Vishnuvardhan K., Gowtham R., Navin Ganesh V., Rajkumar R.	Planning of sustainable pedestrian facilities for CBD areas of Coimbatore city	Journal of Green Engineering	Alpha Publishers		Article	Scopus	Civil Engg.
23	2020	Santhana V., Thangaraju D. , Tanaka A., Inami W., JayaKumar S. , Matsuda S.	Development of Hybrid TiO ₂ /Paint Sludge Extracted Microbe Composite for Enhanced Photocatalytic Dye Degradation	Journal of Inorganic and Organometallic Polymers and Materials	Springer	10.1007/s10904-020-01448-2	Article	Scopus	Physics
24	2020	Hariharan A., Prabunathan P., Kumaravel A., Manoj M., Alagar M.	Bio-based polybenzoxazine composites for oil-water separation, sound absorption and corrosion resistance applications	Polymer Testing	Elsevier Ltd	10.1016/j.polymertesting.2020.106443	Article	Scopus	Chemistry
25	2020	Ambika S., Devasena M. , Nambi I.M.	Single-step removal of Hexavalent chromium and phenol using meso zerovalent iron	Chemosphere	Elsevier Ltd	10.1016/j.chemosphere.2020.125912	Article	Scopus	Civil Engg.
26	2020	Selvaraj V., Raghavarshini T.R., Alagar M.	Evaluation of thermo-mechanical, dielectric and corrosion resistant properties of cardanol benzoxazine-epoxy based hybrid composites: A very low temperature curing pre-polymer for high performance paint related applications	High Performance Polymers	SAGE Publications Ltd	10.1177/0954400819885006	Article	Scopus	Chemistry
27	2020	Pillaiyar T., Meenakshisundaram S., Manickam M. , Sankaranarayanan M.	A medicinal chemistry perspective of drug repositioning: Recent advances and challenges in drug discovery	European Journal of Medicinal Chemistry	Elsevier Masson SAS	10.1016/j.ejmech.2020.112275	Review	Scopus	Chemistry
28	2020	Krishnasamy B. , Shanmugaraj B.P., Murugavel S.C., Dai L., Petri D.F.S.	Investigation on dual functional epoxy resins containing photosensitive group in the main chain for photoresist applications	International Journal of Polymer Analysis and Characterization	Taylor and Francis Inc.	10.1080/1023666X.2020.1780849	Article	Scopus	Chemistry
29	2020	Nanthakumar S. , Rajenthirakumar D., Avinashkumar S.	Influence of temperature on deformation behavior of copper during microextrusion process	Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science	SAGE Publications Ltd	10.1177/0954406219899114	Article	Scopus	Mechanical Engg.
30	2020	Vaithilingam S., Thangavel Ravivarman R., Muthukaruppan A.	Development of cashew nut shell carbon reinforced thiourea based biophenolic benzoxazine-epoxy composites: High performance biobased coating materials	Polymer Composites	John Wiley and Sons Inc.	10.1002/pc.25510	Article	Scopus	Chemistry
31	2020	Athianna Muthusamy, Balaji K. , Murugavel S.C., Yuan C., Dai L.	Synthesis and Characterization of Liquid Crystalline Polyesters Containing α,β -unsaturated Ketone Moiety in the Main Chain Derived from 2,6-bis(4-hydroxybenzylidene)cyclohexanone	Polymer Science - Series B	Pleiades Publishing	10.1134/S1560090420030112	Article	Scopus	Chemistry
32	2020	Rajeshkumar G.	An experimental study on the interdependence of mercerization, moisture absorption and mechanical properties of sustainable Phoenix sp. fibre-reinforced epoxy composites	Journal of Industrial Textiles	SAGE Publications Ltd	10.1177/1528083718811085	Article	Scopus	Mechanical Engg.
33	2020	Iqbal M.M. , Xavier R.J.	Development of optimal reduced-order model for gas turbine power plants using particle swarm optimization technique	International Transactions on Electrical Energy Systems	John Wiley and Sons Ltd	10.1002/2050-7038.12265	Article	Scopus	Electrical and Electronics Engg.
34	2020	Pillaiyar T., Meenakshisundaram S., Manickam M.	Recent discovery and development of inhibitors targeting coronaviruses	Drug Discovery Today	Elsevier Ltd	10.1016/j.drudis.2020.01.015	Review	Scopus	Chemistry

35	2020	Chinnuraj S., Thyla P.R., Elango S., Venugopal P. R., Mohanram P.V. , Nataraj M., Mohanraj S., Manojkumar K.N., Ayyasamy S.	Static and dynamic behavior of steel-reinforced epoxy granite CNC lathe bed using finite element analysis	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications	SAGE Publications Ltd	10.1177/1464420720904606	Article	Scopus	Mechanical Engg.
36	2020	Selvaraj V., Raghavarshini T.R., Alagar M.	Development and Characterization of Palm Flower Carbon Reinforced DOPO-Urea Diamine Based Cardanol Benzoxazine-Epoxy Hybrid Composites	Polymer Engineering and Science	John Wiley and Sons Inc.	10.1002/pen.25331	Article	Scopus	Chemistry
37	2020	Arun Kumar G., Chandramohan A., Gomathi Priya P., Alagar M.	Acetophenone and thiophene side-arm polyaryleneethynylene conjugated polymers for enrichment of electronic applications	Polymer International	John Wiley and Sons Ltd	10.1002/pi.5972	Article	Scopus	Chemistry
38	2020	Prabunathan P. , Vasanthakumar A., Manoj M. , Hariharan A. , Alagar M.	Polypyrrole inter-layered low temperature curing benzoxazine matrices with enhanced thermal and dielectric properties	Journal of Polymer Research	Springer	10.1007/s10965-020-2022-z	Article	Scopus	Chemistry
39	2020	Latha G. , Hariharan A. , Prabunathan P. , Alagar M.	Cardanol-Imidazole Based Benzoxazine Blends and Bio-silica Reinforced Composites with Enhanced Surface, Thermal and Dielectric Properties	Journal of Polymers and the Environment	Springer	10.1007/s10924-019-01649-y	Article	Scopus	Chemistry
40	2020	Hemkiran S. , Sudha Sadasivam G.	A review of similarity measures and link prediction models in social networks	International Journal of Computing and Digital Systems	University of Bahrain	10.12785/IJCDS/090209	Article	Scopus	Computer Science and Engg.
41	2020	Selvaraj V., Jayanthi K.P., Arunkumar K., Jeyaram S., Geethakrishnan T., Alagar M.	Synthesis and characterization of GO doped bio-resource based composites for NLO and multifaceted applications	Journal of Polymer Research	Springer	10.1007/s10965-020-2037-5	Article	Scopus	Chemistry
42	2020	Ajith Jerom B. , Manimegalai R. , Manimegalai R.	An IoT Based Smart Water Quality Monitoring System using Cloud	International Conference on Emerging Trends in Information Technology and Engineering, ic-ETITE 2020	Institute of Electrical and Electronics Engineers Inc.	10.1109/ic-ETITE47903.2020.450	Conference Paper	Scopus	Computer Science and Engg.
43	2020	Furtado L.M., Hilamatu K.C.P., Balaji K. , Ando R. A., Petri D.F.S.	Miscibility and sustained release of drug from cellulose acetate butyrate/caffeine films	Journal of Drug Delivery Science and Technology	Editions de Sante	10.1016/j.jddst.2019.101472	Article	Scopus	Chemistry
44	2020	Hariharan A. , Prabunathan P. , Subramanian S. S., Kumaravel M. , Alagar M.	Blends of Chalcone Benzoxazine and Bio-benzoxazines Coated Cotton Fabrics for Oil-Water Separation and Bio-silica Reinforced Nanocomposites for Low-k Applications	Journal of Polymers and the Environment	Springer	10.1007/s10924-019-01629-2	Article	Scopus	Chemistry
45	2020	Thenmozhi A., Devasena M.	Remediation of 2,4,6-trinitrotoluene Persistent in the Environment-A review	Soil and Sediment Contamination	Taylor and Francis Inc.	10.1080/15320383.2019.1664394	Review	Scopus	Civil Engg.
46	2020	Shanmugam B. , Ranjit C., Vishwanantham V., Murali B.	Venture: A new cryptocurrency for online marketing application on ethereum framework	Journal of Advanced Research in Dynamical and Control Systems	Institute of Advanced Scientific Research, Inc.	10.5373/JARDCS/V12SP5/20201785	Article	Scopus	Computer Science and Engg.
47	2020	Rajeshkumar G.	Effect of sodium hydroxide treatment on dry sliding wear behavior of Phoenix sp. fiber reinforced polymer composites	Journal of Industrial Textiles	SAGE Publications Ltd	10.1177/1528083720918948	Article	Scopus	Mechanical Engg.
48	2020	Mohamed Mustafa M.I.	Simple cycle gas turbine dynamic analysis using fuzzy gain scheduled PID controller	Advances in Intelligent Systems and Computing	Springer	10.1007/978-981-15-2740-1_6	Book Chapter	Scopus	Electrical and Electronics Engg.
49	2020	Rajeshkumar G.	A New Study on Tribological Performance of Phoenix Sp. Fiber-Reinforced Epoxy Composites	Journal of Natural Fibers	Taylor and Francis Inc.	10.1080/15440478.2020.1724235	Article	Scopus	Mechanical Engg.
50	2020	Rajeshkumar G.	Characterization of Surface Modified Phoenix sp. Fibers for Composite Reinforcement	Journal of Natural Fibers	Taylor and Francis Inc.	10.1080/15440478.2019.1711284	Article	Scopus	Mechanical Engg.
51	2020	Mohan P., Paramasivam I.	Feature reduction using SVM-RFE technique to detect autism spectrum disorder	Evolutionary Intelligence	Springer Science and Business Media Deutschland GmbH	10.1007/s12065-020-00498-2	Article	Scopus	Computer Science and Engg.
52	2020	Jayasanthi M. , Ramamoorthy V., Parthiban A.	Improved ICA algorithm for ECG feature extraction and R-peak detection	International Journal of Adaptive Control and Signal Processing	John Wiley and Sons Ltd	10.1002/acs.3186	Article	Scopus	Electronics and Communications Engg.
53	2020	Sangeetha V., A T., Devasena M.	Enhanced Removal of Lead from Soil Using Biosurfactant Derived from Edible Oils	Soil and Sediment Contamination	Taylor and Francis Inc.	10.1080/15320383.2020.1811204	Article	Scopus	Civil Engg.
54	2020	Jayasanthi M. , Kalaivani R., Satheeshkumar G.S.	Review of echocardiogram analysis and classification practices	Journal of Critical Reviews	Innovare Academics Sciences Pvt. Ltd	10.31838/jcr.07.17.167	Article	Scopus	Electronics and Communications Engg.
55	2020	Siva Prakash R., Mahendran C., Chandrasekaran J., Marnadu R., Maruthamuthu S.	Impact of Substrate Temperature on the Properties of Rare-Earth Cerium Oxide Thin Films and Electrical Performance of p-Si/n-CeO ₂ Junction Diode	Journal of Inorganic and Organometallic Polymers and Materials	Springer	10.1007/s10904-020-01667-7	Article	Scopus	Physics
56	2020	Ravikumar P., Suresh A.R., Rajeshkumar G.	An Investigation into the Tribological Properties of Bidirectional Jute/Carbon Fiber Reinforced Polyester Hybrid Composites	Journal of Natural Fibers	Taylor and Francis Inc.	10.1080/15440478.2020.1764444	Article	Scopus	Mechanical Engg.

57	2020	Nagarjun J. , Kanchana J., Rajesh Kumar G.	Improvement of Mechanical Properties of Coir/Epoxy Composites through Hybridization with Sisal and Palmyra Palm Fibers	Journal of Natural Fibers	Taylor and Francis Inc.	10.1080/15440478.2020.1745126	Article	Scopus	Mechanical Engg.
58	2020	Mohamed Iqbal M. , Kiran P.C., Kumar J.R., Shree K.K., Bhuvan D.V., Shakthivel R.	LabVIEW-Based Virtual Laboratories for Electrical Engineering Education with Real-Time Implementation	Advances in Intelligent Systems and Computing	Springer	10.1007/978-981-15-2475-2_49	Conference Paper	Scopus	Electrical and Electronics Engg.
59	2020	Ramesh P., Hari M., Mohamed Iqbal M. , Chitra K., Kodandapani D.	Performance Analysis of ST-Type Module for Nearest Level Control Scheme Based Asymmetric 17-Level Multilevel Inverter Fed Single-Phase Induction Motor	Advances in Intelligent Systems and Computing	Springer	10.1007/978-981-15-1084-7_76	Conference Paper	Scopus	Electrical and Electronics Engg.
60	2020	Babu A.R.V., Kumar P.M. , Rao G.S.	A novel diagnostic technique to detect the failure mode operating states of an air-breathing fuel cell used in fuel cell vehicles	International Journal of Electric and Hybrid Vehicles	Inderscience Publishers	10.1504/IJEHV.2020.104263	Article	Scopus	Mechanical Engg.
61	2020	Niranjani G. , Umamaheswari K.	Modified DFA Minimization with Artificial Bee Colony Optimization in Vehicular Routing Problem with Time Windows	Advances in Intelligent Systems and Computing	Springer	10.1007/978-981-32-9949-8_45	Conference Paper	Scopus	Computer Science and Engg.
62	2020	Hong J., Wu T., Wu H., Zeng B., Zeng S., Chen T., Wang X., Lu Z., Yuan C., Balaji K. , Petri D.F.S., Dai L.	Nanohybrid silver nanoparticles@halloysite nanotubes coated with polyphosphazene for effectively enhancing the fire safety of epoxy resin	Chemical Engineering Journal	Elsevier B.V.	10.1016/j.cej.2020.127087	Article	Scopus	Chemistry
63	2020	Mohamed Iqbal M. , Ahmed K., Fathima N.	Overview and recent scenario of biomass gasifier plants in tamilnadu—a field survey	Lecture Notes in Electrical Engineering	Springer Science and Business Media Deutschland GmbH	10.1007/978-981-15-5558-9_109	Conference Paper	Scopus	Electrical and Electronics Engg.
64	2020	Pillaiyar T., Wendt L.L., Manickam M. , Easwaran M.	The recent outbreaks of human coronaviruses: A medicinal chemistry perspective	Medicinal Research Reviews	John Wiley and Sons Inc.	10.1002/med.21724	Review	Scopus	Chemistry
65	2020	Selvaraj V., Raghavarshini T.R., Alagar M.	Advanced development of dairy farm waste-based biocarbon-reinforced unsymmetrical structured biophenols polybenzoxazine composites	High Performance Polymers	SAGE Publications Ltd	10.1177/0954008320941575	Article	Scopus	Chemistry
66	2020	Prabunathan P. , Elumalai P., Dinesh Kumar G., Manoj M. , Hariharan A. , Rathika G. , Alagar M.	Antiwetting and low-surface-energy behavior of cardanol-based polybenzoxazine-coated cotton fabrics for oil-water separation	Journal of Coatings Technology and Research	Springer	10.1007/s11998-020-00365-w	Article	Scopus	Chemistry
67	2020	Siraimettan K., Arumugam H., Ayyavu C., Ponnaiah G., Muthukaruppan A.	Mechanical, thermal and dielectric studies of reduced graphene oxide reinforced cardanol based polybenzoxazine/epoxy nanocomposites	Composite Interfaces	Taylor and Francis Ltd.	10.1080/09276440.2020.1788360	Article	Scopus	Chemistry
68	2020	Kurinchyselvan S., Chandramohan A., Hariharan A. , Gomathipriya P., Alagar M.	Mesoporous silica MCM-41-reinforced cardanol-based benzoxazine nanocomposites for low-k applications	Polymer Bulletin	Springer	10.1007/s00289-020-03198-0	Article	Scopus	Chemistry
69	2020	Varsha Shree M., Dhinakaran V., Rajkumar V. , Bupathi Ram P.M., Vijayakumar M.D., Sathish T.	Effect of 3D printing on supply chain management	Materials Today: Proceedings	Elsevier Ltd	10.1016/j.matpr.2019.09.060	Conference Paper	Scopus	Mechanical Engg.
70	2020	Selvaraj V., Raghavarshini T.R., Alagar M.	Development of: Prosopis juliflora carbon-reinforced PET bottle waste-based epoxy-blended bio-phenolic benzoxazine composites for advanced applications	RSC Advances	Royal Society of Chemistry	10.1039/c9ra08741a	Article	Scopus	Chemistry
71	2020	Nagaraja K.C., Rajanna S., Prakash G.S., Rajeshkumar G.	Improvement of mechanical and thermal properties of hybrid composites through addition of halloysite nanoclay for light weight structural applications	Journal of Industrial Textiles	SAGE Publications Ltd	10.1177/1528083720936624	Article	Scopus	Mechanical Engg.
72	2020	Hemant G.R. , Charles Raja S., Jeslin Drusila Nesamalar J., Senthil Kumar J.	Cost effective energy consumption in a residential building by implementing demand side management in the presence of different classes of power loads	Advances in Building Energy Research	Taylor and Francis Ltd.	10.1080/17512549.2020.1752799	Article	Scopus	Electrical and Electronics Engg.
73	2020	Devi K S. , Parantharan K.P., Agniveesh A I.	Interpretive framework by analysing the enablers for implementation of Industry 4.0: an ISM approach	Total Quality Management and Business Excellence	Routledge	10.1080/14783363.2020.1735933	Article	Scopus	Mechanical Engg.
74	2020	Swapna Sai M., Dhinakaran V., Manoj Kumar K. P. , Rajkumar V. , Stalin B., Sathish T.	A systematic review of effect of different welding process on mechanical properties of grade 5 titanium alloy	Materials Today: Proceedings	Elsevier Ltd	10.1016/j.matpr.2019.09.027	Conference Paper	Scopus	Mechanical Engg.
75	2020	Rajeshkumar G. , Ramakrishnan S., Pugalenti T., Ravikumar P.	Performance of Surface Modified Pineapple Leaf Fiber and Its Applications	Green Energy and Technology	Springer	10.1007/978-981-15-1416-6_16	Book Chapter	Scopus	Mechanical Engg.
76	2020	Sumesh K.R., Kavimani V., Rajeshkumar G. , Ravikumar P., Indran S.	An Investigation into the Mechanical and Wear Characteristics of Hybrid Composites: Influence of Different Types and Content of Biodegradable Reinforcements	Journal of Natural Fibers	Bellwether Publishing, Ltd.	10.1080/15440478.2020.1821297	Article	Scopus	Mechanical Engg.

77	2020	Thangaraju D. , Marnadu R., Santhana V. , Durairajan A., Kathirvel P., Chandrasekaran J., Jayakumar S. , Valente M.A., Greenidge D.C.	Solvent influenced synthesis of single-phase SnS ₂ nanosheets for solution-processed photodiode fabrication	CrystEngComm	Royal Society of Chemistry	10.1039/c9ce01417a	Article	Scopus	Physics
78	2020	Rajeshkumar G. , Hariharan V., Indran S., Sanjay M.R., Siengchin S., Maran J.P., Al-Dhabi N.A., Karuppiah P.	Influence of Sodium Hydroxide (NaOH) Treatment on Mechanical Properties and Morphological Behaviour of Phoenix sp. Fiber/Epoxy Composites	Journal of Polymers and the Environment	Springer	10.1007/s10924-020-01921-6	Article	Scopus	Mechanical Engg.