

PRATHYUSHA ENGINEERING COLLEGE

List of Papers Published in Reputed Journals in the academic year 2021-22

S NO	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	Page Number	Indexing	Link to the recognition in UGC enlistment of the Journal
1	Dynamical behavior of a new chaotic system with one stable equilibrium	Dr Anitha Karthikeyan	ECE	Journal of Mathematics	Dec-21	2455-9210	Scopus	https://www.mdpi.com/2227-7390/9/24/3217/pdf#:~:text=The%20system%20has%20a%20constant,parameter%20based%20on%20initial%20condition
2	Design and implementation of intelligent patient in-house monitoring system based on efficient XGBoost-CNN approach	Ms.G.Premalatha	ECE	Cognitive Neurodynamics	Jan-22	1871-4080	SCI	https://doi.org/10.1007/s11571-021-09754-2
3	Hybrid fabric wearable antenna design and evaluation for High speed 5G applications	T.Rubesh Kumar	ECE	Wireless Personal Communication	Jun-21	1572-834X	SCI	https://doi.org/10.1007/s11277-021-08702-x
4	Design and optimization of wearable microstrip patch antenna using hybrid fuzzy flamingo swarm optimization algorithm for RF energy harvesting	T.Rubesh Kumar	ECE	Iranian Journal of Science and TEchnology, Transactions of	Feb-22	2228-6160	SCI	https://doi.org/10.1007/s40998-021-00470-5
5	Controlling chaos and suppressing chimeras in a fractional-order discrete phase-locked loop using impulse control	Dr Anitha Karthikeyan	ECE	Chinese Physics B	Dec-21	2058-3834	SCI	https://iopscience.iop.org/article/10.1088/1674-1056/ac1b83/meta
6	Spiral waves and their characterization through spatioperiod and spatioenergy under distinct excitable media	Dr Anitha Karthikeyan	ECE	Chaos, Solitons and Fractals	May-22	0960-0779	Scopus	https://www.sciencedirect.com/science/article/abs/pii/S0960077922003150
7	Timer Entrenched Baited Scheme to Locate and Remove Attacks in MANET	DR.R.THAGARAJAN	IT	Intelligent automatin & soft computing	-	1079-8587	Mar-22	doi: 10.32604/iasc.2022.027719

8	Securing medical data by role-based user policy with partially homomorphic encryption in AWS cloud	M.D.BOOMIJA	IT	Soft Computing - springer	-	1433- 7479	Mar-22	https://doi.org/10.1007/s00500-022-06950-y
9	Development of the VLSI design network cryptographic framework for bio energy saving smart IOT device according to the environment	B.S.LIYA	IT	International Journal of Biology, Pharmacy and Allied Sciences IJBPAS	-	November , Special Issue, 2021,		https://ijbpas.com/pdf/2021/November/MS_IJBPAS_2021_NOV_SPCL1035.pdf
10	Impact of the novel square wave tool path pattern on AA6061-T6 friction stir welding	Dr V Jayaseelan	Mechanica 1	Materials and Manufacturing Processes	Jun-22	1532- 2475	SCI	https://drive.google.com/drive/u/0/folders/1u8pldj924qfLM6JymaNFQJmAc-62mcl
11	DEFORM 3D Simulations and Taguchi Analysis in Dry Turning of 35CND16 Steel	Dr V Jayaseelan	Mechanica 1	Advances in Materials Science and Engineering	Jun-22	1687- 8434	SCI	https://drive.google.com/drive/u/0/folders/1u8pldj924qfLM6JymaNFQJmAc-62mcl
12	Effect of extrusion ratio and die angle on the microstructure of an AA6063/SiC composite	Dr V Jayaseelan	Mechanica 1	Materials Testing	Jun-22	21958572	SCI	https://drive.google.com/drive/u/0/folders/1u8pldj924qfLM6JymaNFQJmAc-62mcl
13	Finite Element Method-Based Spherical Indentation Analysis of Jute/Sisal/Banana-Polypropylene Fiber-Reinforced Composites	Dr.P.Jayaraman	Mechanica 1	Adsorption Science & Technology, Vol: 2022, pp. 1-19, ISSN: 2048- 4038	Sep-22	ISSN: 2048- 4038	SCI	https://drive.google.com/drive/u/0/folders/1Mzx5GUlt3nl-BpDBfzKpXRA5ofTxPLBR
14	Thermochemical Recycling of Solid Biomass Materials for Achieving Sustainable Goal: A Complete Characterization	Dr.P.Jayaraman	Mechanica 1	Journal of Chemistry, Vol: 2022, pp. 1-9, ISSN: 2090-9071	Aug-22	ISSN: 2090- 9071	SCI	https://drive.google.com/drive/u/0/folders/1Mzx5GUlt3nl-BpDBfzKpXRA5ofTxPLBR
15	Tensile, double shear properties of acacia and Acacia-Kenaf fiber composites	Dr V Jayaseelan	Mechanica 1	Materials Today: Proceedings	Apr-22	2214- 7853.	SCOPES	https://drive.google.com/drive/u/0/folders/1u8pldj924qfLM6JymaNFQJmAc-62mcl
16	Experimental investigation on the coconut fiber reinforced hybrid gear composites	Dr V Jayaseelan	Mechanica 1	Materials Today: Proceedings	Apr-22	2214- 7853.	SCOPUS	https://drive.google.com/drive/u/0/folders/1u8pldj924qfLM6JymaNFQJmAc-62mcl
17	Silane grafted nanosilica and aramid fibre-reinforced epoxy composite: dma, fatigue and dynamic loading behaviour	Dr V Jayaseelan	Mechanica 1	Silicon	Apr-22	18769918	SCI	https://drive.google.com/drive/u/0/folders/1u8pldj924qfLM6JymaNFQJmAc-62mcl

18	Optimization of SiC abrasive parameters on machining of Ti-6Al-4V alloy in AJM using Taguchi-Grey relational method	Dr V Jayaseelan	Mechanica 1	Silicon	Feb-22	18769918	SCI	https://drive.google.com/drive/u/0/folders/1u8pldj924qfLM6JyMaNFQJmAc-62mcl
19	Analysis of optimising injection parameters and EGR for DICI engine performance powered by lemongrass oil using Box–Behnken (RSM) modelling	Dr V Jayaseelan	Mechanica 1	International Journal of Ambient Energy	Dec-21	21628246	SCOPUS	https://drive.google.com/drive/u/0/folders/1u8pldj924qfLM6JyMaNFQJmAc-62mcl
20	Application of MOORA & COPRAS integrated with entropy method for multi-criteria decision making in dry turning process of Nimonic C263	Dr V Jayaseelan	Mechanica 1	Manufacturing Review	May-22	22654224	WOS	https://drive.google.com/drive/u/0/folders/1u8pldj924qfLM6JyMaNFQJmAc-62mcl
21	Mechanical Properties of Nanometal Matrix Composites Produced by Duralcan Process	Dr V Jayaseelan	Mechanica 1	Recent Advances in Materials and Modern Manufacturing	27-May-22	2195-4356	SCOPUS	https://drive.google.com/drive/u/0/folders/1u8pldj924qfLM6JyMaNFQJmAc-62mcl
22	Waste plastic oil to fuel: An experimental study in thermal barrier coated CI engine with exhaust gas recirculation	Dr V Jayaseelan	Mechanica 1	Environmental Quality Management	01-Feb-22	15206483	SCOPUS	https://drive.google.com/drive/u/0/folders/1u8pldj924qfLM6JyMaNFQJmAc-62mcl
23	A current state of metal additive manufacturing methods: A review	Dr V Jayaseelan	Mechanica 1	Materials Today: Proceedings	01-Dec-21	2214-7853.	SCOPUS	https://drive.google.com/drive/u/0/folders/1u8pldj924qfLM6JyMaNFQJmAc-62mcl
24	Experimental study on surface roughness and flank wear in turning of Nimonic C263 under dry cutting conditions	Dr V Jayaseelan	Mechanica 1	Journal of Nanomaterials	01-Oct-21	16874129	SCI	https://drive.google.com/drive/u/0/folders/1u8pldj924qfLM6JyMaNFQJmAc-62mcl
25	Performance of Waste Insulating Mineral Oil-Based Biodiesel in a Direct-Injection CI Engine	Dr V Jayaseelan	Mechanica 1	International Journal of Automotive and Mechanical Engineering	Dec-21	22298649	SCI	https://drive.google.com/drive/u/0/folders/1u8pldj924qfLM6JyMaNFQJmAc-62mcl
26	Modelling and simulation of machining attributes in dry turning of aircraft materials Nimonic C263 using CBN	Dr V Jayaseelan	Mechanica 1	Manufacturing Review	Dec-21	22654224	WOS	https://drive.google.com/drive/u/0/folders/1u8pldj924qfLM6JyMaNFQJmAc-62mcl
27	Finite element simulation and regression modeling of machining attributes on turning AISI 304 stainless steel	Dr V Jayaseelan	Mechanica 1	Manufacturing Review	Jul-21	22654224	WOS	https://drive.google.com/drive/u/0/folders/1u8pldj924qfLM6JyMaNFQJmAc-62mcl

28	Synthesis and characterization of sea urchin spike strengthened grape seed oil-epoxy composite coating material	Dr.P.Jayaraman	Mechanica 1	Polymer composites, Vol. 2022, pp. 1-9: ISSN: 1548-0569	Jun-22	ISSN: 1548-0569	SCI	https://drive.google.com/drive/u/0/folders/1Mzx5GUlt3nl-BpDBfzKpXRA5ofTxPLBR
29	Fabrication of MnO ₂ nanocomposites on GO functionalized with advanced electrode material for super capacitors	Dr.P.Jayaraman	Mechanica 1	Journal of Nano materials (Accepted on 24th December 2022)	Dec-22	ISSN: 1687-4129	SCI	https://drive.google.com/drive/u/0/folders/1Mzx5GUlt3nl-BpDBfzKpXRA5ofTxPLBR
30	Effect of fiber surface modifications on the interfacial adhesion in kevlar fiber reinforced polymer composites	Dr.N.Ramasamy	Mechanica 1	JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY	01-02-2022	15685616	SCI	https://drive.google.com/drive/u/0/folders/118F6umYCKmNDI_bBRR_2DJNoFDw6O3D5
31	stacking layer effect on mechanical and vibration behaviour of woven glass interwind with kenaf fiber polymeric composite	P.SARMAJI KUMAR	Mechanica 1	MATERIAL TODAY: proceedings	01-02-2022	2214-7853.	SCOPUS	https://drive.google.com/drive/u/0/folders/118F6umYCKmNDI_bBRR_2DJNoFDw6O3D5
32	mechanical and dynamics mechanical analysis of calcium carbonate filler interleaved with basalt polymeric laminates	P.SARMAJI KUMAR	Mechanica 1	MATERIAL TODAY: proceedings	01-02-2022	2214-7853.	SCOPUS	https://drive.google.com/drive/u/0/folders/118F6umYCKmNDI_bBRR_2DJNoFDw6O3D5
33	Nature-inspired nano-additives for Biofuel application–A Review	M.Sathya Prakash	Mechanica 1	Chemical Engineering Journal Advances	12 July 2022.	2666-8211	SCOPUS	https://drive.google.com/drive/u/0/folders/18rtPT996f6a5JTPgmdyucYNSNVUmCCdI
34	Rapid Computer-Aided Manufacturing Tools Including Computerized Motion Control	R KARTHICK	Mechanica 1	2022 2nd International Conference on Advance Computing and Innovative	2022	1803–7232.	IEEE	https://drive.google.com/file/d/1YSqPygHiH2O4Si2vO_0S46qLsOllqKsi/view?usp=sharing
35	Optimization of SiC Abrasive Parameters on Machining of Ti-6Al-4V Alloy in AJM Using Taguchi-Grey Relational Method	Dr V Jayaseelan	Mechanica 1	Silicon	21-Dec-20	18769918	SCI	https://drive.google.com/drive/u/0/folders/1u8pldj924qfLM6JymaNFQJmAc-62mcl
36	Thermal performance of U-shaped serpentine microchannel heat sink using various metal oxide nanofluids	Dr V Jayaseelan	Mechanica 1	Heat Transfer	Jun-21	15288943	SCOPUS	https://drive.google.com/drive/u/0/folders/1u8pldj924qfLM6JymaNFQJmAc-62mcl
37	Effect of ceramic coating on the performance, emission, and combustion characteristics of ethanol DI diesel engine	Dr V Jayaseelan	Mechanica 1	Materials today: proceedings	Jan-21	2214-7853.	SCOPUS	https://drive.google.com/drive/u/0/folders/1u8pldj924qfLM6JymaNFQJmAc-62mcl

38	Statistical Data Mining through Credal Decision Tree Classifiers for Fault Prediction on Wind Turbine Blades Using Vibration Signals	Dr.P.Jayaraman	Mechanica 1	IOP Conference Series: Materials Science and Engineering, Vol: 988 (2020) 012078, pp. 1-6,	Dec-20	ISSN: 1757-899X	SCOPUS	https://drive.google.com/drive/u/0/folders/1Mzx5GUlt3nl-BpDBfzpkXRA5ofTxPLBRR
39	Boiler Temperature and Pressure Monitoring System for Thermal power plant through lab view	Dr.P.Jayaraman	Mechanica 1	IOP Conference Series: Materials Science and Engineering, Vol: 988 (2020) 012079, pp. 1-6,	Dec-20	ISSN: 1757-899X	SCOPUS	https://drive.google.com/drive/u/0/folders/1Mzx5GUlt3nl-BpDBfzpkXRA5ofTxPLBRR
40	Structural and Thermal Analysis of Composite Wind Turbine Blade for Wind Mill Applications	Dr.N.Rama's a my y	Mechanica 1	Springer-Advances in Design and Thermal Systems	10.3.2021	10.3.2021	SCOPUS	https://drive.google.com/drive/u/0/folders/1Mzx5GUlt3nl-BpDBfzpkXRA5ofTxPLBRR
41	Characterization of fiber/matrix interfacial bonding strength of chemically grafted aramid fiber surface with epoxy resin composites	Dr.N.Ramasamy	Mechanica 1	Polymer Composites		#####	SCI	https://drive.google.com/drive/u/0/folders/1Mzx5GUlt3nl-BpDBfzpkXRA5ofTxPLBRR
42	Drug resistance in Candida albicans isolates and related changes in the structural domain of Mdr1 protein	Dr. P. Dhasarathan	BIOTECH	Journal of infection and public health	Dec-21	1876-0341	SCOPUS	https://www.sciencedirect.com/science/article/pii/S1876034121003634
43	Investigation of CaO nanocatalyst synthesized from Acalypha indica leaves ad its application in biodiesel production using waste cooking oil	K. Chalapandian	BIOTECH	Fuel	Mar-22	0016-2361	SCI	https://www.sciencedirect.com/science/article/abs/pii/S0016236121028192
44	Aninsight into leaf secretions of asian palmyra palm; A wound healing material from nature	RanjithSingh	BIOTECH	Material today: proceeding	Jan-21	2214-7853	SCOPUS	https://www.sciencedirect.com/science/article/pii/S2214785320339730
45	Invitro study of Antioxidant, Anti inflammatory and anticancer activity of eugenol from Ocimum Sanctum	Dr. M. Thenmozhi and Dr. P. Dhasarathan	BIOTECH	Nat. Volatiles & essent. Oils,	2021	2148-9637		https://drive.google.com/file/d/1Z5chRDQhtF5_Sw2iHTYb0qT8iQ-yqVff/view?usp=sharing
46	Antiviral and cytotoxic effects of a traditional drug Kantha Rasa Villai with a cocktail of mettalic nano particles	RanjithSingh	BIOTECH	Journal of King Saud University - Science	Jan-22	1018-3647		https://www.sciencedirect.com/science/article/pii/S1018364721003554
47	Insecticidal and plant growth promoting activity of Citrus aurantium peel	Dr. A. Praveena	BIOTECH	International Journal of Entomology Research	Jul-21	2455-4758		https://drive.google.com/file/d/1gTT7itZwjPzMXkNwB6DIE45za2J79PwE/view?usp=sharing

48	Formulation And Evaluation Of Polyherbal Hair Oil And Its Comparative Analysis With Natural And Commercial Hair Oil	RANJITH SINGH	BIOTECH	International journal of Scientific research in Engineering and Management	21-Jul	2582-3930	UGC CARE	https://drive.google.com/file/d/1ka7vnC5lSq04s0uKJ1wPegWOH4LpslnT/view?usp=sharing
49	Fabrication and characterization of magnetic nanoemulsion for biofilm inhibition	Dr. P. Dhasarathan	BIOTECH	International journal of Scientific research in Engineering and Management	21-Jun	2582-3930	UGC CARE	https://drive.google.com/file/d/1x6zEqZcstZ1r7893rCmTwE9vYTbrxs9w/view?usp=sharing
50	Antioxidant and antimicrobial activity profile of chicken fermented with syzygium aromaticum.	Dr. M. Thenmozhi	BIOTECH	International journal of Scientific research in Engineering and Management	21-Jul	2582-3930	UGC CARE	https://drive.google.com/file/d/19pavCzDuwhd6hdQe-iGTgL_QK0U3izxb/view?usp=sharing
51	Screening of Pectinase producing bacteria from Orange waste	Dr. M. Thenmozhi	BIOTECH	International journal of Scientific research in Engineering and Management	21-Jul	2582-3930	UGC CARE	https://drive.google.com/file/d/1JWPP83aCVCL2F_duAynTvgSZynp4ht3Y/view?usp=sharing
52	DNA Barcoding Of Important Medicinal Plant(Artemisia pallens,Stevia rebaudiana,Spilanthes acmella) From Asteraceae Family	K. Chalapandian	BIOTECH	International journal of Scientific research in Engineering and Management	21-Jul	2582-3930	UGC CARE	https://drive.google.com/file/d/1tgfmUUNavdQ26C32qEm1QHvPoEA6iNeE/view?usp=sharing
53	Optimising The Growth Conditions Of Water Hyacinth For Biofuel Production Through Hydroponics	D. Joyce Hellen Sathya	BIOTECH	International journal of Scientific research in Engineering and Management	21-Jul	2582-3930	UGC CARE	https://drive.google.com/file/d/1AjuuwlJV6i-enfDrtVC8Yb_qDVpkZe-/view?usp=sharing
54	Integrating renewable energy in electric V2G: Improved optimization assisting dispatch model	S.Shobana	EEE	International Journal of Energy research	Jan-22	0363-907X	SCI	https://doi.org/10.1002/er.7690
55	A Review of BLDC Motor: State of Art, Advanced Control Techniques, and Applications	Dr. K Sathiyasekar	EEE	IEEE Access Journal	May-22	2169-3536	SCI	https://doi.org/10.1109/ACCESS.2022.3175011
56	Experimental Study on Reactive Powder Concrete Replacing Aggregates with Industrial Waste	S.VALLABHY	CIVIL	(IJIRSET)	Jul-22	e-ISSN: 2319-8753, p-ISSN		DOI:10.15680/IJIRSET.2022.1107023