

A.V.C College of Engineering, Mannampandal

Department of Computer Applications

Faculty Research Publication 2022-2023

S.No.	Year	Author Name	Complete Title of the Article	Name of the Journal (National / International)	Vol. No. Issue No. Page No.	ISSN for Journals	Reported in Web of Science	Reported In Scopus	Reported in Google Scholar	Reported in PUBMED	Reported in Indian Citation Index
2022- 2023											
1	2022	Dr.S.Selvamuthu kumaran	Technological Perspective on Precision Medicine in the Context of Big Data—A Review	Springer Nature - Proceedings of the International Conference on Cognitive and Intelligent Computing	ICCIC 2021, Volume 1 553-564		No	Yes	Yes	No	No
2	2023	Dr.S.Selvamuthu kumaran	Stacked multi-layer security for Hadoop	Concurrency and Computation:	Apr 2023 e7711	https://doi.org/10.1002/cp	No	Yes	Yes	No	No

			distributed file system using HSCT steganography	Practice and Experience		e.7711					
3	2022	Dr.G.Pradeep	Optimal Features Based Fake News Detection Model Using Machine Learning And Deep Learning Approach	NeuroQuantology	10837:10848 Oct 2022		No	No	Yes	No	No
4	2022	Dr.G.Pradeep	Joint aspect-opinion extraction and sentiment orientation detection in university reviews	International Journal of Information Technology	October 2022 14(6):3213–3225	https://doi.org/10.1007/s41870-022-01041-5	Yes	No	Yes	No	No

5	2022	Dr.G.Pradeep	Spatial Feature-based Fake Capsule Network Model for Deep fake Detection for Image and Video Data	Mathematical Statistician and Engineering Applications	Volume 71, Issue 4, 1481-148		Np	No	Yes	No	No
6	2022	Dr.G.Pradeep	Cascaded Layer-Coalescing Convolution Network for Brain Tumor Segmentation	Journal of intelligent and fuzzy systems	DoI : 10.3233/JIFS-220167 1-14	DoI : 10.3233/JIFS-220167	Yes	No	Yes	No	No
7	2023	Dr.G.Pradeep	Dynamic model for implicit aspect detection in sentiment analysis using novel aspect	Journal of Intelligent & Fuzzy	Vol 222927 pp. 1-14	DOI: 10.3233/JIFS-222927	Yes	No	Yes	No	No

			pointer compendium								
8	2023	Dr.G.Pradeep	Enriched Model of Intuitionistic Fuzzy Adaptive Noise Filtering on MR Brain Image	SN Computer Science	January 2023 Volume 4 Issue 2 PP 1-7	doi.org/10. 1007/s429 79-022- 01591-2	Yes	No	Yes	No	No
9	2023	Dr.G.Pradeep	CFSSN: Container with Fog based Scalable Self- organizing Network	Journal of Intelligent & Fuzzy Systems,	1-12	DOI:10. 3233/JIF S- 221524	Yes	No	Yes	No	No

DEPARTMENT OF MECHANICAL ENGINEERING FACULTY PUBLICATIONS (UP TO 08.08.2023)

S. No	Name of the Faculty Member	Title of the Manuscript	Name of the Journal, Vol., No., pp (ISSN No.)	Listed						DOI
				Impact Factor / h-index	Scopus	Google Scholar	Web of science	Pub med	Indian Citation Index	
01	Dr. S. Vijayaraj	A Retrospective Analysis On Drilling Operation And Its Parameters: A Critical Review	Surface Review and Letters 1793-6667	1.1	yes	yes				10.1142/S0218625X23300101
02		Characterizing biomass pellets produced from torrefied biowaste and waste medical plastic pyrolysis oil	Biomass Conv. Bioref. (2023). 2190-6823	4.0	yes	yes	yes			10.1007/s13399-023-04424-1
03		Mechanical wear and hydrophobicity behaviour of Digitaria ischaemum fibre-reinforced finger millet husk biosilica toughened epoxy composites	Biomass Conv. Bioref. (2023). 2190-6823	4.0	yes	yes	yes			10.1007/s13399-023-04638-3

04	Dr.P.Balasubramanian	Optimization of machining parameters in EDM using Taguchi based grey relational analysis	Materials Today: Proceedings 82.,pp 43-46 18758967, 10641246	3.3	yes	yes				10.1016/j.matpr.2022.11.149
05		Comparative analysis on recent deep learning techniques for identifying chatter in milling process	Journal of Intelligent & Fuzzy Systems 1 Jan. 2023 : pp 3647 – 3666. 18758967, 10641246.	2	yes	yes	yes			10.3233/JIFS-221091
06		Process parameter of EDM to optimize material Removal Rate using Box Behnken's design	Materials Today: Proceedings, 82 , pp.38-42. 18758967, 10641246	3.3	yes	yes				10.1016/j.matpr.2022.11.148
07		Optimization and effect of B ₄ C/Al ₂ O ₃ with graphite particulates on tribological properties of Al7075 surface hybrid nano composite	Metrology and Properties, 10(3), p.035005. 2051-672X	2.7	yes	yes				10.1088/2051-672X/ac8112
08		Effect of aluminum oxide nanoparticles in	Int. J. Environ.	3.1	yes	yes	yes			10.1007/s13762-022-

	Dr. C, Swaminathan	algae biodiesel blend as a fuel in CRID engine and its performance, emission and combustion aspects	Sci. Technol. (2022)							04668-w
09	Dr. A. Balaji	Investigation on mechanical, dynamic mechanical analysis, thermal conductivity, morphological analysis, and biodegradability properties of hybrid fiber mats reinforced HLCE resin nanocomposites	Polymer Composites, 43(12), pp. 8850-8859.	5.2	yes	yes	yes			10.1002/pc.27066
10		Mechanical, Thermal Conductivity, Biodegradability Property, DMA Analysis and Fractography Analysis of Nanoclay- Cotton Fiber / Hybrid Resin Composites	NeuroQuantology 20 (22), 549-556		yes	yes	yes			10.48047/nq.2022.20.22.N Q10039

11	Dr. A.Balaji	Investigation on Mechanical, DMA Analysis and Fractography Analysis of Hybrid Nanoclaybamboo Fiber / Hybrid Resin Composites	<i>YMER</i> 23 (01), 598-608 <i>0044-0477,</i>		yes	yes				10.37896/YMER22.01/46
12		Coir/banana hybrid composites reinforced with poly vinyl ester for mechanical, water absorption and thermal characterization	<i>Biomass Conv. Bioref. (2023)</i> 2190-6823.	4.0	yes	yes	yes			10.1007/s13399-023-04615-w
13	Mr.R.Saravanan	Characterizing biomass pellets produced from torrefied biowaste and waste medical plastic pyrolysis oil	<i>Biomass Conv. Bioref. (2023).</i> 2190-6823	4.0	yes	yes	yes			10.1007/s13399-023-04424-1
14	Dr. S. Senthilrajan	Impact of stacking sequence on vibration damping and viscoelastic behavior of woven jute sustainable composite	Materials Today: Proceedings 18758967, 10641246		yes	yes				10.1016/j.matpr.2023.04.169

15	Mr. R. Purushothaman	Investigation on mechanical, morphological, and water absorption of coconut particles/nanoclay–reinforced vinyl esters hybrid bio-nanocomposites	<i>Biomass Conv. Bioref.</i> (2022). 2190-6823	4.0	yes	yes	yes			10.1007/s13399-022-03203-8
16		Coir/banana hybrid composites reinforced with poly vinyl ester for mechanical, water absorption and thermal characterization	<i>Biomass Conv. Bioref.</i> (2023). 2190-6823	4.0	yes	yes	yes			10.1007/s13399-023-04615-w
17	Dr. G. Sriharan	Performance improvement of the mini hexagonal tube heat sink using nanofluids	Thermal Science and Engineering Progress 34 (2022): 101390. 2451-9049	4.8	yes	yes	yes			10.1016/j.tsep.2022.101390
18		Enhanced heat transfer characteristics of the mini hexagonal tube heat sink using hybrid nanofluids	Nanotechnology 33, no. 47 (2022): 475403. 1361-6528	3.5	yes	yes	yes			10.1088/1361-6528/ac8995

19	Dr. G. Sriharan	A review on thermophysical properties, preparation, and heat transfer enhancement of conventional and hybrid nanofluids utilized in micro and mini channel heat sink	Sustainable Energy Technologies and Assessments 58 (2023): 103327.	8.0	yes	yes	yes			10.1016/j.seta.2023.103327
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A.V.C. COLLEGE OF ENGINEERING

Department of Computer Science and Engineering

PUBLICATION DETAIL OF ACADEMIC YEAR 2022-2023

S. No	Name of the faculty member	Title of the manuscript	Name of journal, Vol., No., pp (ISSN No.)	Impact factor / h-index	Listed					DOI
					Scopus	Google scholar	Web of science	Pubmed	Indian Citation Index	
1	Dr.S.Padmapriya	Multimodal Emotion Recognition using Deep Learning	International journal of computer science trends and technology	Impact Factor: 5.21	NO	Yes	No	No	-	
2	Dr.S.Padmapriya	Emotion Detection and Music Recommendation System	International journal of computer science trends and technology	Impact Factor: 5.21	NO	Yes	No	No	NO	
3	Dr.J.Sudha	Human Gait Analysis and Classification Using Deep Learning	International journal of computer science trends and technology	Impact Factor: 5.21	NO	Yes	No	No	NO	

4	Dr.K.Krishnakumari,	A Deep Learning Based Integrated Approach to Detect Abusive Language	International journal of computer science trends and technology	Impact Factor:5.21	NO	Yes	No	No	NO	
5	Dr.K.KrishnaKumari	Emotion Recognition Using Electroencephalography (EEG)Signals by deep learning Techniques	International journal of computer science trends and technology	Impact Factor:5.21	NO	Yes	No	No	NO	
6	K.Krishnakumari E.Sivasankar	Aspect-based summarization in the big data environment	International Journal of Advanced Intelligence Paradigms,	Impact Factor: 1.18	Yes	Yes	Yes	No	NO	10.1504/IJAIP.2023.130816
7	Dr Sudha.R,	Organ Donation And Tracking Of Information Management Based On Blockchain	International journal of computer science trends and technology	Impact Factor: 5.21	NO	Yes	No	No	NO	
8	M.DeviSriNandhini, Dr.Pradeep Gurunathan	Dynamic model for implicit aspect detection in sentiment analysis using novel aspect pointer compendium	Journal of Intelligent and Fuzzy Systems,ISSN:1875-8967,Anna University Annexure-Journal	Impact Factor: 1.14	Yes	Yes	Yes	No	1	10.3233/JIFS-222927

8	Mrs.M,DeviSriNandhini.	Human Nail Disease Diagnosis System Using Deep Learning	International journal of computer science trends and technology	Impact Factor:5.21	Yes	No	No	NO	No	
9	Arunpandian A	Third Generation ATM Machine using Advanced image processing	International journal of computer science trends and technology	Impact Factor:5.21	Yes	No	No	NO	No	
10	Vivekanandhan.A,	Enhancing Customer Churn Prediction:A Hybrid Ensemble Approach with Clustering and Classification Techniques	International journal of computer science trends and technology	Impact Factor:5.21	Yes	No	No	NO	No	
11	MadhuKarthick J,	Enhancing the Learning experience of students using AR	International journal of computer science trends and technology	Impact Factor:5.21	Yes	No	No	NO	NO	
12	M.DeviSriNandhini, Dr.Pradeep Gurunathan	Efficacy improvement of aspect-based sentiment analysis using enhanced rule-based approach and domain-specific lexicon	Journal of Intelligent and Fuzzy Systems,ISSN:1875-8967	Impact Factor ;1.713	Yes	Yes	Yes	NO	1	DOI: 10.3233/JIFS-213584
13	M.DeviSriNandhini , Dr.Pradeep Gurunathan	Joint aspect-opinion extraction and sentiment orientation detection in university reviews	International journal of computer science trends and technology	NO	Yes	Yes	No	NO	2	https://doi.org/10.1007/s41870-022-01041-5

AVC College of Engineering, Mannampandal, Mayiladuthurai

Department of ECE

(Accredited By NBA)

PUBLICATION DETAILS

Year: 2022-2023

S. No .	Name of the faculty member	Title of the Manuscript	Name of the Journal (National/ International)	Listed						DOI
				Impact Factor/h -Index	Reported in Web of Science	Reporte d in Scopus	Reporte d in Google Scholar	Repor ted in PUBM ED	Reported in Indian Citation Index	
1.	Mrs.R.Ramya	An implementation of energy efficient fuzzy-optimized routing in wireless sensor networks using Particle Swarm Optimization (PSO) and Whale Optimization Algorithm	Journal of Intelligent & Fuzzy Systems vol. 44, no. 1, pp. 595-610, 2023	2.0		Yes	Yes		Yes	DoI: 10.3233/ JIFS- 220963

Publication detail of Academic year 2022-2023

Department of Information Technology

S. No	Name of the Faculty Member	Title of the Manuscript	Name of the Journal, Vol., No., pp (ISSN No.)	Impact Factor / h-index	Listed					DOI
					Scopus	Google Scholar	Web of science	Pubmed	Indian Citation Index	
1	Mrs. K. Aruna	CFSSN: Container with Fog based Scalable Self-Organizing Network	Journal of Intelligent & Fuzzy Systems, vol. 44, no. 3, pp. 4137-4148, 2023	1. 737		Yes	Yes			https://doi.org/10.32604/iasc.2022.024317
2	Mrs.S.Suganya	Design of digital image encryption based on elliptic curve cryptography algorithm a radix-64 conversion	International Journal of Intelligent & Fuzzy Systems, Vol.43, No.5, PP.6697-6708, 22 September 2022	1. 737		Yes	Yes			DOI: 10.3233/JIFS-220767.

Publication detail of Academic year 2022-2023

Department of Electrical and Electronics Engineering

S. No	Name of the Faculty Member	Title of the Manuscript	Name of the Journal, Vol., No., pp, (ISSN No.)	Impact Factor/h-index	Listed					DOI
					Scopus	Google Scholar	Web of science	Pubmed	Indian Citation Index	
	Dr.A.Ragavendiran	A 'Model Predictive Controlled Four Bus System Employing Hybrid Power Flow Controller	Journal of Sensor-Hindawi Volume 43,NO.3 ISSN: 1687-725X (Print) ISSN: 1687-7268 (Online)	1.9	yes	Yes	Yes	No	yes	https://doi.org/10.1155/2023/4621537

A.V.C. College of Engineering, Mannampandal, Mayiladuthurai

Department of Civil Engineering

List of Publications

Academic Year – 2022 – 2023

S. No	Name of the Faculty member	Title of the Manuscript	Name of the Journal(National/International)	Listed						
				Impact Factor /h-Index	Reported in Web of Science	Reported in Scopus	Reported in Google Scholar	Reported in PUBMED	Reported in Indian Citation Index	DOI
1.	Dr.R.Jayasankar	Designing of a panchayat union office building using software	International journal of novel research and development Volume 8, Issue 1, page no – d668 - d679 ISSN: 2456-4184	Nil	Nil	Nil	Nil	Nil	Nil	10.6084/m9.doione.IJNR.D2301379
2.	Dr.R.Jayasankar	Manufacturing of paver block using plastic waste	The International Journal of Scientific Development and Research Volume 8, Issue 5, page no – 82 - 85 ISSN: 2455-2631	Nil	Nil	Nil	Nil	Nil	Nil	-
3.	Mrs.S.Alarmelumangai	Planning, analysis & design of post Office building by using stadd pro	International journal of novel research and development Volume 8, Issue 02, page no – b159 –b167 ISSN 2456 - 4184	Nil	Nil	Nil	Nil	Nil	Nil	10.6084/m9.doione.IJNR.D2302118
4.	Mr.S.Kannan	Experimental investigation of seawater intrusion at various Zone's of coastal aquifers	International journal of novel research and development Volume 8 Issue 2,Page no: b439 – b450 ISSN 2456 - 4184	Nil	Nil	Nil	Nil	Nil	Nil	10.6084/m9.doione.IJNR.D2302143

5.	Mr.S.Harikrishnan	Experimental investigation of seawater intrusion at various Zone's of coastal aquifers	International journal of novel research and development Volume 8 Issue 2,Page no: b439 – b450 ISSN 2456 - 4184	Nil	Nil	Nil	Nil	Nil	Nil	10.6084/m9.doione.IJNR.D2302143
6.	Mr.S.Rameshwaran	Experimental investigation of seawater intrusion at various Zone's of coastal aquifers	International journal of novel research and development Volume 8 Issue 2,Page no: b439 – b450 ISSN 2456 - 4184	Nil	Nil	Nil	Nil	Nil	Nil	10.6084/m9.doione.IJNR.D2302143
7.	Mr.J.Arun	Planning, analysis and design of apartment building using Software	International journal of novel research and development Volume 8 Issue 2,Page no ; a236 – a246 ISSN 2456 - 4184	Nil	Nil	Nil	Nil	Nil	Nil	10.6084/m9.doione.IJNR.D2302030