



A.V.C. COLLEGE OF ENGINEERING

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Mannampandal, Mayiladuthurai District, Tamilnadu-609305

RESEARCH AND DEVELOPMENT CELL

Journal Publications

Year: 2023-2024

S. No.	Year	Author Name	Complete title of the article	Name of the Journal (National/ International)	Vol. No. Issue No. Page No. DoI	ISSN for journals	Reported in Web of Science	Reported in Scopus	Reported in Google Scholar	Reported in PUB MED	Reported in Indian Citation Index
1.	2023	Dr. S. Selvamuthukumaran	Energy Efficient Cluster Head Selection and Routing Algorithm using Hybrid Firefly Glow-Worm Swarm Optimization in WSN.	KSII Transactions on Internet & Information Systems	Vol.17, Issue 8 doi.org/10.3837/tiis/2023.08.010	1976-7277	Yes	Yes	Yes	No	No
2.	2023	Dr. S. Selvamuthukumaran	Stacked multi-layer security for Hadoop distributed file system using HSCT steganography	Concurrency and Computation: Practice and Experience	https://doi.org/10.1002/cpe.7711	1532-0626	Yes	Yes	Yes	No	No
3.	2023	Dr. S. Selvamuthukumaran	Auditing of hadoop log file for dynamic detection of threats using H-ISSM-MIM and convolutional neural network	Journal of Intelligent & Fuzzy Systems,	10.3233/JIFS-233579	1064-1246	Yes	Yes	Yes	No	No

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4.	2024	Dr. G. Pradeep	Container-to-fog Service Integration using the DIS-LC Algorithm	I. J. Computer Network and Information Security”, 2024, MECS Press, Vol 16, Issue 1, pp. 85-96	DOI:10.3233 /JIFS-221524		Yes	Yes	Yes	No	No
5.	2023	Dr. G. Pradeep	Dynamic model for implicit aspect detection in sentiment analysis using novel aspect pointer compendium	Journal of Intelligent and Fuzzy Systems	DOI: 10.3233/JIFS -222927 222927	1875-8967	Yes	Yes	Yes	No	No
6.	2024	Dr. G. Sridevi S. Rubendoss	Digital Up gradation Through Education Management Information System [EMIS] With Reference To DBTR National Higher Secondary School, Mayiladuthurai	Gradivia Review Journal [Scopus Indexed / UGC Care II] DOI:10.37897.G RJ.2023.V10I6.2 4.513934	Volume-10- Issue-6 - June 2024, Page No: 298-307	0363-8057	No	Yes	Yes	No	No
7.	2024	Dr. G. Sridevi,	Are Women a Gender Dividend for Investment: An Empirical Analysis from Indian Working Women Perspective	Islamic Finance. Contributions to Management Science. Springer, Cham. https://doi.org/10.1007/978-3-031-48770-5_9	April 2024 Pages 87-102	ISBN 978-3-031-48770-5 Published : 09April 2024	Yes	Yes	Yes	Yes	Yes

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8.	2024	Dr. G. Sridevi	Unveiling the critical role of employee engagement in reducing employee attrition in the information technology	Strad Research, UGC Care Group 2 Journal, Web of Science indexed Journal,	Volume II Issue 2- Feb 2024	ISSN: 0039-2049	yes	yes	yes	yes	yes
9.	2024	Dr. G. Sridevi	Understanding The Factors Behind Employee Attrition In The It Industry: Contributing Factors And Proposed Solutions”	Journal For Basic Sciences [Scopus Indexed]	Volume 23, Issue 10, October 2023	ISSN : 1006 – 8341.	No	Yes	Yes	No	Yes
10.	Dec 2023	Dr. R. Renukadevi	PMJAY-PORTABILITY TO ACHIEVE UNIVERSAL HEALTH COVERAGE	SOUTH INDIA JOURNAL OF SOCIAL SCIENCES; UGC CARE Approved, Group I, Bi-Annual Journal	Vol. XXI, No.3, July – Pages:80-85	ISSN: 0972 – 8945	No	No	Yes	No	No
11.	2023	Dr. R. Renukadevi	Impact of Career Planning and Development as a HR Intervention to achieve Work Life Balance in Information Technology Industry	European Economic Letters ABDC Indexed	Vol 13, Issue 3 (2023) Pages 1851 - 1858 http://eelet.org.uk	ISSN 2323-5233	No	No	Yes	No	No
12.	Feb 2024	Dr. Chithravalavan	Integrated Sensor System for Monitoring Stereotypic Behavior in Autism Spectrum Disorder	International Journal of New Media Sciences (IJNMS)	Vol 11 Issue 1 Vol 11 Issue 1 Jan-June 2024 Impact Factor 8.879	2394-4331	Yes	Yes	Yes	Yes	Yes

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13.	Aug 2023	Mr. S. Bharathiraja	Energy Efficient Cluster Head Selection and Routing algorithm using Hybrid firefly Glow-Workm Swarm Optimization in WSN	KSII, the Korean Society for Internet Information	KSII Transactions on Internet and Information Systems (Vol. 17, Issue 8) doi.org/10.3837/tiis.2023.08.010	1976-7277	Yes	Yes	Yes	Yes	Yes
14.	2024	R. Jayasankar	Recycling plastic trash to produce tiles that are stonger and less flammable	International	Vol 2 Issue 2 p659-666	P-2349-5138	No	No	yes	No	No
15.	2024	S. Alarmelumangai K. Ramesh S. Ambethkar	Effective utilization of mother board as wall tiles	International	Vol 11 Issue 01 p337-341	P-2395-0072	No	No	yes	No	No
16.	2024	Dr. K. Aruna	Container-to-fog Service Integration using the DIS-LC Algorithm	International journal of Computer Network and Information Security	Vol: 16, Issue: 1	20749090	No	Yes	Yes	No	No
17.	Aug 2023	A. Ragavendiran	Automated Aqua Farm: prototype model with essential variables’,	The IUP Journal of Electrical and Electronics Engineering ,	Vol.16, No. 3,	978-81-314-2793-4	NO	NO	NO	NO	NO

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18.	Feb 2024	I. Mahendrarvarman A. Ragavendiran and SA. Chithradevi	Improved power quality for photovoltaic grid integration power system using an intelligent controller fed SL–SC boost converter supplied reduced switch cascade multilevel inverter	Electrical Engineering -Springer	Vol. 106: pp. 419–441	0202-023-01981-6	YES	YES	YES	YES	YES
19.	2024	Mr. M. Alex	IoT-integrated smart energy management system with enhanced ANN controller for small-scale microgrid	Electrical Engineering -Springer		Electronic ISSN 1573-482X Print ISSN 0957-4522	YES	YES	YES	YES	YES
20.	2024	Dr. N. Dhanasekar	Bio-waste derived 2 D rGO sheet supported Co ₉ Se ₈ hybrid composite electrode for high performance supercapacitor applications	Diamond and Related Materials- Elsevier	Volume 147, 111304	106:419–442	YES	YES	YES	YES	YES

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21.	February 2024	Dr. N. Dhanasekar	Design and fabrication of NiSe ₂ /g-C ₃ N ₄ hybrid composite counter electrode for Pt-free dye-sensitized solar cells	Journal of Materials Science: Materials in Electronics	Volume 35, article number 443,	Electronic ISSN 1573-482X Print ISSN 0957-4522	YES	YES	YES	YES	YES
22.	2024	Dr. S., Balasubramanian	Development of almond shell powder and palm kernel fibre-reinforced cardanol oil toughened epoxy resin hybrid composites	Biomass Conversion and Biorefinery	Online first	2190-6815	Yes	Yes	Yes	No	No
23.	2024	Dr.A. Balaji	Study on engineering properties of bamboo fiber/biochar reinforced epoxy composites rod	Biomass Conversion and Biorefinery	Online first	2190-6815	Yes	Yes	Yes	No	No
24.	2024	Purushothaman, R., Balaji, A. & Swaminathan, J.	Influence of NaOH treatment on physical, chemical, thermal, and morphological behavior of aloe vera, banana, and corn husk fiber.	Biomass Conversion and Biorefinery	14, 14 16743–16754 (2024)	2190-6815	Yes	Yes	Yes	No	No

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25.	2024	Mohanakannan, S., Balaji, A. & Swaminathan, J.	Investigation of mechanical, thermal, and chemical properties of raw and NaOH-treated bagasse/halfa grass/coir fiber.	Biomass Conversion and Biorefinery	Online first	2190-6815	Yes	Yes	Yes	No	No
26.	2023	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, p.103327.	2213-1388	Yes	Yes	Yes	No	No
27.	2024	Dr. G. Sriharan,	Advanced Materials-Based Thermally Enhanced Phase Change Materials	Advanced Materials-Based Thermally Enhanced Phase Change Materials	pp. 241-268)	978-0-443-21574-2	Yes	Yes	Yes	No	No
28.	2024	Dr. G. Sriharan,	Experimental Analysis on the Performance of MHTHS with Propylene Glycol and De Ionized Water Based Nanofluids.	International Journal of Thermophysics	1290-0729	45, Article No.75 (2024)	Yes	Yes	Yes	No	No
29.	2023	Dr.V.Vanathi	Physico-chemical analysis in ternary organic mixtures at various temperatures with an acoustical approach	Vietnam Journal of Science Technology and Engineering	Vol: 66, Issue : 2	ISSN 2615-9937	yes	Yes	Yes	No	No

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30.	2024	Dr.J.Swaminathan	Investigation of mechanical, thermal, and chemical properties of raw and NaOH-treated bagasse/halfa grass/coir fiber	Biomass Conversion and Biorefinery		ISSN 219 0-6815	yes	Yes	Yes	No	No
31.	2024	Dr.J.Swaminathan	Synthesis, geometrical, spectral and anti bacterial studies of 4-hydroxy-3-methoxybenzaldehyde thiosemicarbazone by experimental and theoretical investigations	Computational and theoretical chemistry	1229	ISSN 22 10-271X	yes	Yes	Yes	No	No
32.	2024	Dr.J.Swaminathan	Influence of NaOH treatment on physical, chemical, thermal, and morphological behavior of aloe vera, banana, and corn husk fiber	Biomass Conversion and Biorefinery	Volume no	ISSN 219 0-6815	yes	Yes	Yes	No	No
33.	2024	Dr.G.Geethalakshmi	Upbeat:Therapeutic companion for improving mental health	Indian patent journal	27/2024		yes	Yes	Yes	No	No