



MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY

Approved by AICTE, New Delhi and Affiliated to Pondicherry University

Accredited by NBA & NAAC 'A' Grade

Kalitheerthalkuppam, Puducherry - 605107

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NBA
NATIONAL BOARD
of ACCREDITATION



SUSTAINABLE DEVELOPMENT GOAL 4

QUALITY EDUCATION

PARAMETER: RESEARCH

Aligned with SDG4



Academic Year 2022-23

S.No	PARTICULARS	RESEARCH PAPERS
1	National / International conferences	5
2	Journal publications	13
3	Book chapters	-

**Details of research papers published in
NATIONAL / INTERNATIONAL CONFERENCES aligned with SDG 4**

S. No	Name of the teacher	Title of the paper	Name of the conference	National / International	Year of publication	Affiliating Institute at the time of publication	Name of the publisher
1	Dr. N.Palanivel	Visual Recognition systems for Hearing Impairment using IOT	ICIOT 23	International	2023	MVIT	SRM University, Chennai
2	Ms.G.Sharmila	Fake review detection using Fuzzy logic and Machine Learning	ICRTCCBM -2023	International	2023	MVIT	Sethu Institute of Technology
3	Dr.M.Suresh	Natural Language Processing - Based Translator for Hinglish Content	International Conference on Computing, Communication and Control(IC4)	International	2023	MVIT	Kings College of Engineering
4	Ms.M.Sumithra	Electron Acceptor, Excitation Energies, Oscillatory Strength, Spectroscopic & Solvent Effect	Advanced Novel Materials in Multidisciplinary Perspectives(ICAMP'23)	International	2023	MVIT	St.Joseph College of Arts & Science, Cuddalore

5	Ms.M.Sumithra	Molecular docking, spectroscopic, Quantum Computational Investigation on 1-(3-((4-(diethylamino)-2-hydroxybenzylidene)amino)phenyl)ethan-1-one	Conference on Materials Research(IV CMR-22)	International	2023	MVIT	Easwari Engineering College, Chennai
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Details of research paper published in JOURNALS

in line up with SDG 4

Sl.No	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal /Digital Object Identifier (doi) number	
							Link to website of the Journal	Is it listed in UGC Care list/Scopus/Web of Science/other, mention
ECE - 2022-23								
1	A Comparative study of Hand Movement Sensing Techniques for Mouse Cursor Control	Dr.R. Sofia	ECE	ME TSZ ET	2023	Volume 8, issue 7, June 2023	https://drive.google.com/file/d/1ovnGIXIsJV_BVrurAnuYYYhOaZXoXuJ/view	Scopus
2	Smart Wifi Notice board	Mrs.R. Vithiya	ECE	ME TSZ ET	2023	Volume 8, Issue 6, June 2023 ISSN:2061-2710	https://metsetjournal.com/	scopus
3	DNN based Gesture Language Translator	Mr.E.R amassamy	ECE	ME TZE T	2023	VOLUME 8, ISSUE 7, 2023, ISSN 2061-2710	https://metsetjournal.com/	scopus
CSE - 2022-23								

4	Tamil script detection and recognition from images and translating to English	R.Raj Bharath	CSE	International Journal of Telematique	2023	ISSN :1856-4194	https://www.provinci ajournal.com/index.php	Web of Science
5	Controlling mouse and virtual keyboard using Eye-tracking by computer vision	R.Rajbharath	CSE	Journal of algebraic statistics	2023	Issn:13 09-3452	https://publishoa.com/index.php/journal/index	Web of Science
6	New Modern Approach To Predict Users' Sentiment Using CNN And BLSTM	R. Sathish Kumar	CSE	International Journal of Informatics, Information System and Computer Engineering	2023	ISSN: 2746-1378 DOI: 10.1016/j.jare.2022.08.004	https://www.researchgate.net/	Web of Science

7	Text to image synthesizer using generative adversarial networks	J.Jayapradha	CSE	Journal of data acquisition and processing	2023	ISSN: 1004-9037 / 81-95, DOI: 10.5281/ZENODO.7766292	http://www.sjcjycl.cn	scopus
S & H - 2022-23								
8	Some Results on Harmonic Mean Graphs.	S.Sivaramakrishnan	S&H	Research and Reflections on Education	2022	0974-648X(P)	-	UGC Care
9	Synthesis, characterization, DNA interaction, antimicrobial activity, DFT analysis and Molecular Docking studies of Copper(I) Complex with traizinea	V.Vinayagam	S&H	Journal of Molecular Structure	2023	ISSN-00222860	https://www.sciencedirect.com/science/article/abs/pii/S0022286023007457	SCI

	nd Neocupr oine							
10	Spectral (FT-IR, FT-Raman, NMR, UV-vis), electronic structure (DFT, TD-DFT), and molecular docking investigations on 1-((1H-benzo [d]imidazol-1-yl) methyl) urea–A bioactive ...	M.Sumithra	S&H	Chemical Physics Letters	2022	ISSN 0009-2614.	https://doi.org/10.1016/j.cplett.2022.140047	SCI
11	Effect of green solvents physical, chemical, biological and bonding nature on 5-acetylthiophene-2-carboxylic acid by DFT and TD-DFT	M.Sumithra	S&H	Journal of the Indian Chemical Society	2023	ISSN 0019-4522.	https://doi.org/10.1016/j.jics.2022.100867	SCI

	approach –An antiviral agent							
12	Electron density, charge transfer, solvent effect and molecular spectroscopic studies on 2,2-Dimethyl-N-pyridin-4-yl-propionamide – A potential antioxidant	M.Sumithra	S&H	Computational and Theoretical Chemistry	2023	ISSN 2210-271X.	https://doi.org/10.1016/j.comptc.2023.114103	SCI
13	Electron acceptor; excitation energies, oscillator strength, spectroscopic and solvent effects on 5-amino-4,6-dichloro-2(propylthio)pyrimidi	M.Sumithra	S&H	Chemical Physics Impact	2023	Volume 6, 100145	https://doi.org/10.1016/j.chphi.2022.100145	SCI

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