



MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY

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Accredited by NBA & NAAC 'A' Grade

Kalitheerthalkuppam, Puducherry - 605107

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SUSTAINABLE DEVELOPMENT GOAL 3

GOOD HEALTH AND WELL- BEING

PARAMETER: RESEARCH

Aligned with SDG3



Academic Year 2022-23

S.No	PARTICULARS	RESEARCH PAPERS
1	National / International conferences	08
2	Journal publications	22
3	Book chapters	01

**Details of research papers published in
NATIONAL / INTERNATIONAL CONFERENCES aligned with SDG 3**

Sl. No	Name of the faculty	Title of the paper	Name of the conference	National / International	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of publication	Name of the publisher
ECE								
1	Dr. R.Sofia	Covid 19Detection from Chest X-Ray Scans Using Machie Learning	ICIECS 2022	International	2022	–	MVIT	–
CSE								
2	Dr. N. Palanivel	Visual Recognition systems for Hearing Impairment using IOT	ICIOT 23	International	2023	–	MVIT	SRM University , Chennai
3	Mr.R. Sathish Kumar	A Survey on Detection and Classification of Neuro-Degenerative Disease using Deep Learning	ICRT CCBM -2023	International	2023	–	MVIT	Sethu Institute of Technology
4	G.Sharmila	Detection of Breast Cancer Using DNN	ICRT CCBM -2023	International	2023	–	MVIT	Sethu Institute of Technology

IT

5	Mr.K.Vijayakumar	IoT Based Noise Level Monitoring System	International Conference on Recent Trends in Computer Communication and Business Management	International	2023	978-93-5810-814-9	MVIT	Sethu Institute of Technology, Pullor, Virudhunagar District
6	Mrs.J.Prabavathi	Smart Health Care System using IoT and Cloud	International Conference on Recent Trends in Computer Communication and Business Management	International	2023	978-93-5810-814-9	MVIT	Sethu Institute of Technology, Pullor, Virudhunagar District
7	Mrs.R.Gayathiri	Ultrasonic Blind Walking Stick	International Conference on Recent Trends in Comp	International	2023	978-93-5810-814-9	MVIT	Sethu Institute of Technology, Pullor, Virudhunagar District

			uter Comm unicati on and Busine ss Manag ement					
MBA								
8	Ms.G.Agal ya	Factors Determining Emotional Wellbeing of Employees at Software Industry in Pondicherry Region	Interna tional Confer ence On Conte mporar y Manag ement Practic es	Inter natio nal	2023	978- 93- 95422 -63-5	MVIT	SRM Institute of Science & Technolog y

Details of research paper published in JOURNALS
aligned with SDG 3: Good health & Well being

Sl.No	Title of paper	Name of the author/s	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							
1	Analysis of Skin Cancer and Patient Healthcare Using Data Mining Techniques	A. Shankar	Computational Intelligence and Neuroscience	2022	ISSN 1687 - 5273	https://www.hindawi.com/journals/cin/2022/2250275/	SCI
2	The Speech-Language Processing Model for Managing the Neuro-Muscle Disorder Patients by Using Deep Learning	A. Shankar	Neuro Quantology	2022	ISSN 1303 - 5150	Doi: 10.14704/nq.2022.20.8.NQ44099	Scopus
3	Enhancing the optoelectronic properties of low-cost nebulizer spray	Dr.S.Vinoth	Materials Science and Engineering:	2023	Volume 289, 1162-13	https://doi.org/10.1016/j.msbe.2022.116213	SCI

	pyrolysis (NSP) prepared ZnS thin film through praseodymium doping for photodetector applications		B				
4	High photocurrent performance of nebulizer sprayed Bi2S3 thin films by a novel Cu-La doping strategy	Dr.S.Vinoth	Journal of Photochemistry and Photobiology A: Chemistry	2023	Volume 444, 1 October 2023, 1149-1151	https://www.sciencedirect.com/science/article/abs/pii/S1010603023003866	SCI
5	Influence of samarium doping on enhancing the photosensing capability of nebulizer-sprayed bismuth sulfide thin films	Dr.S.Vinoth	Applied Physics A	2023	00339-023-06389-4	https://doi.org/10.1007/s00339-023-06389-4	SCI
6	CortexFeet Pressure Balancing for diabetic patient	Dr.R. Sofia	METSZ ET	2023	Volume 8, issue 6, June 2023	https://drive.google.com/file/d/1xz6GDeNXSn4pnhm3XF8u7aoYOmfvwG7/view	Scopus
7	Automatic Medicine dispatcher Using Telemonitoring	Dr.R. Sofia	METSZ ET	2023	Volume 8, issue 6, June	https://drive.google.com/file/d/1ovnGIXIsJV_BVrurAnuYYhOaZXoXuJ/view	Scopus

					2023		
8	Flow control of Polymer using syringe pump apparatus for Electrospinning Nanofiber Fabrication	Mrs.R.Vithiya	METSZ ET	2023	Volume 8, Issue 6, June 2023 ISSN: 2061 - 2710 3	https://metszejournal.com/	scopus
9	personalized Healthcare assistance and monitoring system	Mr.E. Ramssamy	METZET	2023	VOLUME 8, ISSUE 7, 2023 , ISSN 2061 - 2710	https://metszejournal.com/volume-8-issue-7/	scopus
10	Enhanced Wearable Strap For Feminine Using lot	R. Sathish Kumar	International Journal of Informatics, Information System and Computer Engineering	2023	ISSN: 2746 - 1378 , DOI: 10.1016/j.jare.2022.08.015	https://ojs.unikom.ac.id	Web of Science
11	Digitization of secure blockchain based electronic	D.Mohanapriya	Journal of data acquisition	2023	ISSN: 1004 - 9037 / 42-	http://www.sjcycl.cn/	scopus

	health record system using smart contract		and processing		56, DOI: 10.5 281/ ZEN ODO. 7766 292		
12	Alzheimer's Disease Detection using Deep Neural Network	R.Indumathi	International Journal of Telematique	2023	ISSN: 1856 - 4194	https://www.provinciajournal.com/index.php/telematique/index	Web of Science
13	Detection of breast cancer using deep neural network (DNN) and random forest algorithm	G. Sharmila	Journal of data acquisition and processing	2023	ISSN: 1004 - 9037 / 33- 41, DOI: 10.5 281/ ZEN ODO. 7766 292	https://www.jetir.org/	scopus
14	Web application for cardiovascular diagnosis using data science	M.Imran Khan	International journal of innovative research in technology	2023	2349 - 6002 /157 973	https://ijirt.org/	UGC CARE
15	Driver drowsiness and alcohol detection	J.Jayaprada	Journal of Semi Conductor Engineering	2023	ISSN 1001 - 5868	https://www.bdtgd.cn	scopus

16	Covid 19 Tracking and control automation	Dr.S.Pariselvam	European Chemical Bulletin	2023	Vol.1 2 Special issue 6	https://www.eurchembull.com/about	Scopus
17	Performance evaluation of deep learning technique for lung cancer prediction	G.Nandakumar	journal of Soft Computing	May 2023	9191 – 9198 (2023)	https://link.springer.com/article/10.1007/s00500-023-08313-7	Springer
18	Synthesis , characterization, DNA intraction, antimicrobial activity, DFT analysis and Molecular Docking studies of Copper(II) Complex with traizine and Neocuproine	V.Vinayagam	Journal of Molecular Structure	2023	ISSN-00222860	https://www.sciencedirect.com/science/article/abs/pii/S0022286023007457	SCI
19	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	M.Sumithra	Chemical Physics Letters	2022	ISSN 0009 - 2614	https://doi.org/10.1016/j.cpl.2022.140047	SCI

	bioactive ...						
20	Effect of green solvents physical, chemical, biological and bonding nature on 5-acetyl-thiophene-2-carboxylic acid by DFT and TD-DFT approach—An antiviral agent	M.Sumithra	Journal of the Indian Chemical Society	2023	ISSN 0019 - 4522 .	https://doi.org/10.1016/j.jics.2022.100867	SCI
21	Electron density, charge transfer, solvent effect and molecular spectroscopic studies on 2,2-Dimethyl-N-pyridin-4-yl-propionamide – A potential antioxidant	M.Sumithra	Computational and Theoretical Chemistry	2023	ISSN 2210 - 271X .	https://doi.org/10.1016/j.comptc.2023.114103	SCI
22	Electron acceptor; excitation	M.Sumithra	Chemical Physic	2023	Volume 6,	https://doi.org/10.1016/j.chphi.2022.10014	SCI

	energies, oscillatory strength, spectroscopic and solvent effects on 5-amino-4,6-dichloro-2-propylthio pyrimidine-anticancer agent		s Impact		100145	5	
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Details of BOOK CHAPTERS published in line up with SDG 3: Good health and well being

Sl. No	Name of the teacher	Title of the book / chapters published	Title of the proceedings of the conference	National / International	Affiliating Institute at the time of publication	Name of the publisher
ECE						
1	Dr. R.Sofia	Book: Human Emotion and Artificial Intelligence	Book : notion Press	International	MVIT	Book : notion Press