



MANAKULA VINAYAGAR INSTITUTE OF TECHNOLOGY

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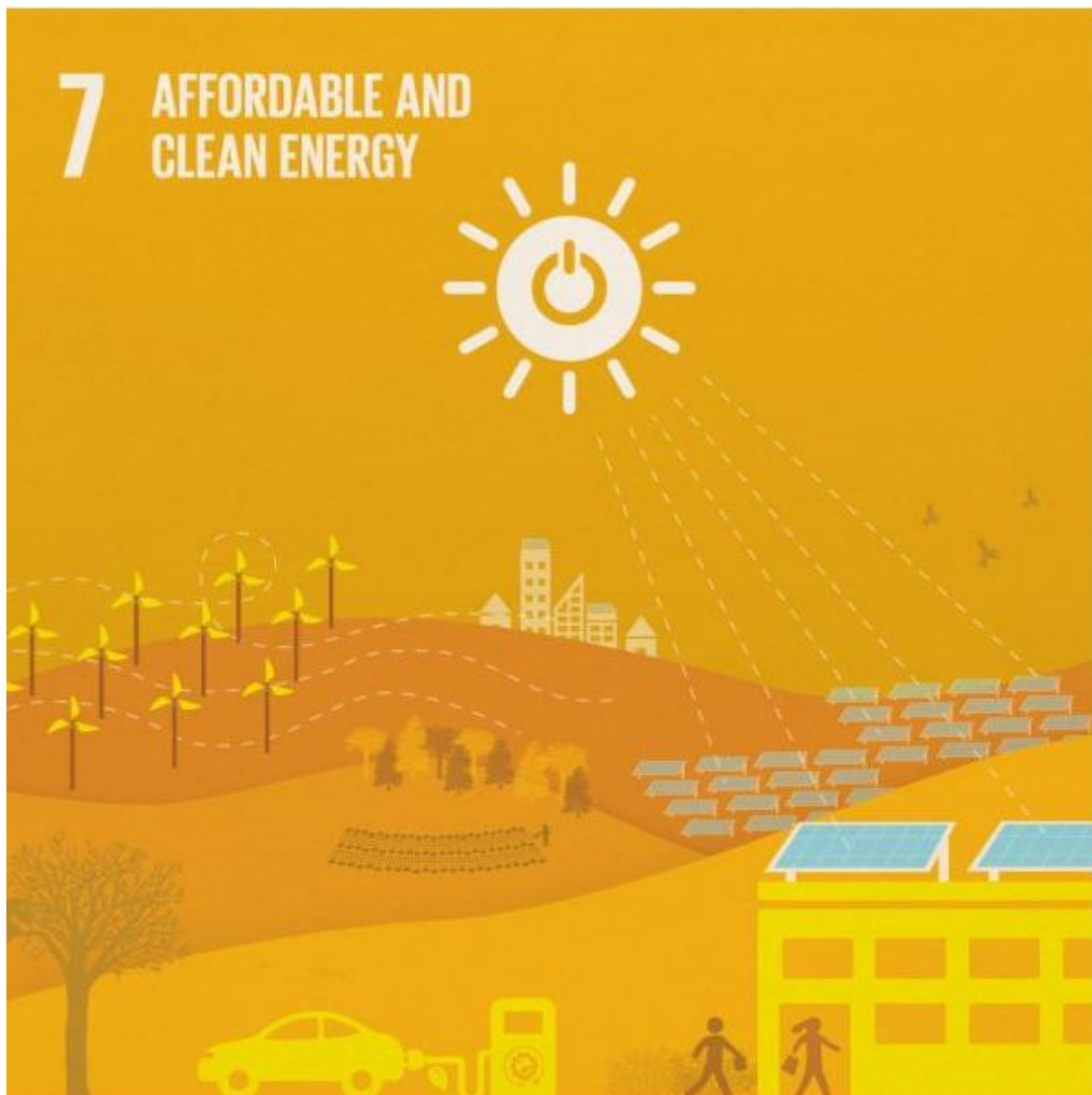


SUSTAINABLE DEVELOPMENT GOAL 7

AFFORDABLE AND CLEAN ENERGY

PARAMETER: RESEARCH

Aligned with SDG7



Academic Year 2022-23

S.No	PARTICULARS	RESEARCH PAPERS
1	National / International conferences	4
2	Journal publications	11
3	Book chapters	-

S I. N o	Name of the teache r	Title of the book / chap ters publi shed	Title of the paper	Title of the procee dings of the confer ence	Name of the confere nce	Nation al / Interna tional	Year of public ation	ISBN/ ISSN numb er of the proce eding	Affilia ting Instit ute at the time of public ation	Name of the publis her
ECE										
1	Dr. S. Yazhi niyan	–	Energy Harvesti ng using Informati on decoding and Interfere nce signal	–	ICOSE C 2023	Interna tional	2023	–	MVIT	–
2	Dr. S. Yazhi niyan	–	Fuel Cell Regulati ng System for Electric Vehicle	–	ICSTS N 2023	Interna tional	2023	–	MVIT	–
CSE										

3	Dr. N. Palani vel	–	Improv g Remote sensing using Solar Power unmanne d Aerial vehicle	–	ICICE ECI22	Interna tional	2022	–	MVIT	Maila m Engin eering Colleg e, Maila m
EEE										
4	Dr. K. Sedhur aman	–	Modified Total Cross Tied Configur ation for theEnhanc ement of Global Maximu m Power Under Partial Shaded Conditio n of a PV Array	First Interna tional Confer ence on Recent Trends and Innova tions in Sustai nable Electri cal Energy Syste ms 2023 (RISE E 2023)	First Interna tional Confer ence on Recent Trends and Innova tions in Sustain able Electri cal Energy System s 2023 (RISE E 2023)	Interna tional	Marc h 30- 31, 2023	–	MVIT	IE(I)- Puduc herry State Center and spons ored by SERB

Details of research paper published in JOURNALS
aligned with SDG 7: Affordable and Clean Energy

Sl.No	Title of paper	Name of the author/s	Depart ment of the teacher	Name of journal	Year of publicati on	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	Improve d optical and electrical propertie s of Fe doped ZnO nanostru ctures facilely deposited by low-cost SILAR method for photosen sor	Dr.S.Vinoth	ECE	Surfaces and Interface s	2022	Volume 31,102071	https://doi.org/10.1016/j.surfin.2022.102071	SCI

	applicati ons							
2	Highly improved photo-sensing ability of In ₂ S ₃ thin films through cerium doping	Dr.S.Vinoth	ECE	Optical Materials	2023	Volume 137, 113612	https://doi.org/10.1016/j.optmat.2023.113612	SCI
3	Enhancing the optoelectronic properties of low-cost nebulizer spray pyrolysis (NSP) prepared ZnS thin film through praseodymium doping for photodetector applications	Dr.S.Vinoth	ECE	Materials Science and Engineering: B	2023	Volume 289, 116213	https://doi.org/10.1016/j.mseb.2022.116213	SCI
4	High photocurrent performance of nebulizer sprayed	Dr.S.Vinoth	ECE	Journal of Photochemistry and Photobiology A:	2023	Volume 444, 1 October 2023, 114921	https://www.sciencedirect.com/science/article/abs/pii/S101	SCI

	Bi ₂ S ₃ thin films by a novel Cu-La doping strategy			Chemistry			0603023003866	
5	Influence of samarium doping on enhancing the photosensing capability of nebulizer-sprayed bismuth sulfide thin films	Dr.S.Vinoth	ECE	Applied Physics A	2023	00339-023-06389-4	https://doi.org/10.1007/s00339-023-06389-4	SCI
6	Ion conducting behavior of electrspun nanocomposite quasi solid electrolyte for an efficient performance of dye sensitized solar cells	Dr.S.Vinoth	ECE	Materials Chemistry and Physics	2020	Volume 250, 122945	https://doi.org/10.1016/j.matchemphys.2020.122945	SCI

CSE								
7	SGDA: performance analysis of less energy consumption in smart iot using stochastic gradient descent algorithm	I.Varalakshmi	CSE	Journal of data acquisition and processing	2023	ISSN: 1004-9037 , DOI: 10.5281/zenodo.7765928	http://www.sjcjycl.cn/	scopus
8	Intelligent energy efficiency system using gradient descent algorithm in IOT	I.Varalakshmi	CSE	Journal of emerging technologies and innovative research	2023	ISSN-2349-5162	https://www.jetir.org/	UGC CARE
9	Energy Efficiency using LoRaWAN protocol in Industrial IoT	Mrs.I.Varalakshmi	CSE	European Chemical Bulletin	2023	ISSN 2063-5346	https://www.eurchembull.com/about	Scopus
EEE- 2022-23								
10	Security Constrained Economic Dispatch Using	Dr. C. Shanmuga Sundaram , Dr. K. Sedhuraman , and Mr.S.Rajku	EEE	ZeichenJournale	2023	0932-4747	https://ezeichen.com/volume-09-issue-03-	UGC Care

	Hybrid Particle Swarm Optimization Method With Line Flow Constraints	mar					2023-2/	
11	Three Coil Wireless Power Transmission By Increasing Spacing Distance And Using Optimal Design With Converter Circuit	Mr.J.Vijaya Raghavan and Mr.D.Muruganandhan	EEE	Metszet Journal	2023	2061-2710	https://metszetjournal.com/	Scopus