PROFILE

PERSONAL DETAILS

Name	:	**Mr.K.VELMURUGAN**
Date of Birth	:	05.06.1991
Qualification	:	M.Sc.,M.Phil.,
Designation	:	Assistant Professsor
Department	:	Physics
Community	:	BC
Nationality	:	Indian
Email ID	:	luckyvel1991@gmail.com

ACADEMIC QUALIFICATIONS

Degree	Specialization	College/ School	University	Year of Passing
Ph.D	Nanocomposite	The M.D.T. Hindu College, Tirunelveli.	Manonmaniam Sundaranar University, Tirunelveli	Pursuing
M.Phil	Renewable Energy Physics	Manonmaniam Sundaranar University, Tirunelveli	Manonmaniam Sundaranar University, Tirunelveli	2016
M.Sc	-	V.H.N.S.N College, Virudhunagar	Madurai kamaraj University, Madurai	2014
B.Sc	-	G.Venkataswamy Naidu College, Kovilpatti	Manonmaniam Sundaranar University, Tirunelveli	2012
H.Sec.	-	V.O.C boys Higher Sec . School, Kovilpatti.	TNSBE	2009
SSLC	-	Viswakarma High School, Kovilpatti.	TNSBE	2006

ACADEMIC IDENTITY

*VIDWAN ID	482750-
*CORPUS ID	**256155712**
*SCOPUS ID	**58068937000**
*RESEARCHER ID/ PUBLONS ID	-
GOOGLE SCHOLAR LINK	https://scholar.google.com/citations?user=xAI6BlYAAAAJ&hl=en

TEACHING EXPERIENCE	
Date of Appointment	14.09.2020
Date of Retirement	-
Teaching Experience	8 years
UG	5 years
PG	-
Research	Nanocomposites, Renewable Energy Physics, DSSC's

ADMINISTRATIVE EXPERIENCE			
S. No	**DESIGNATION**	**INSTITUTIONS**	**YEAR**
1.	Assistant Professor of Physics	G.Venkataswamy Naidu College, Kovilpatti	4.5 years
2.	Assistant Professor of Physics	Unnamalai Institute Technology, Kovilpatti	3 years

DETAILS OF RESEARCH WORK		
Research Stages	**Title of the Thesis**	**University where the work was carried out**
Ph.D	Facile Synthesis and Environmental Applications of Hybrid NanoComposites	Manonmaniam Sundaranar University, Tirunelveli
M.Phil	Copper doped Titanium dioxide Photoanode of Dye-sensitized solar cell (Fabricated a cell)	Manonmaniam Sundaranar University, Tirunelveli
M.Sc (Major project)	Study on performance of basin type Solar Still – for various hard water samples.	Madurai kamaraj University, Madurai
M.Sc (Minor Project)	Fabrication and characterization of CuO_2 thin film by chemical bath deposition	Madurai kamaraj University, Madurai
B.Sc	Energy Saver in Microcontroller	Manonmaniam Sundaranar University, Tirunelveli

AREAS OF RESEARCH
1. Nanocompostes
2. Solar cell (DSSC)

S.NO.	FUNDING AGENCY	PROJECT TITLE	SANCTIONED AMOUNT	DURATION
1.	G.Venkataswamy Naidu College(Autonomous), Management	"Rational Construction of semiconductor Nanocomposites For Environmental Applications"	**15,000 /-**	**6 Months (Completed) (2022-2023)**
2.	G.Venkataswamy Naidu College(Autonomous), Management	"Synergetic Improvement of Supercpacitor Performance and Organic Pollutant Removal by Incorporating Bi2Wo6 Decorated g – C3N5 into Reinforced Polypyrrole"	**28,000 /-**	**6 Months (Completed) (2023-2024)**
3.	G.Venkataswamy Naidu College(Autonomous), Management	Novel Au nanoparticles decorated g-C_3N_4 with PANI nanocomposites as efficient visible-light photocatalyst for environmental remediation: Synthesis, performance and mechanism insight	**25,000 /-**	**6 Months (Under Process) (2024-2025)**

PUBLICATIONS				
BOOKS	**BOOK CHAPTERS**	**SCOPUS**	**WEB OF SCIENCE**	**UGC LISTED**
	02	**02**	**01**	
OTHER INDEXED	**AS A RESOURCE PERSON**	**PAPERS PRESENTED IN NATIONAL AND INTERNATIONAL SEMINARS**	**WEBINARS, SEMINARS, WORKSHOPS ATTENDED**	
	02	**05**	**10**	

PUBLICATIONS: SCOPUS INDEXED JOURNALS&WEB OF SCIENCE			
S. No	**Title of the Paper**	**Name of the Journal**	**ISSN No., Volume, Issue, Impact factor & Pg. No**
1.	Hierarchical fabrication of GO@Dy2MoO6 heterojunction for catalytic performance and effective wastewater treatment	Optical materials	Volume 136, February 2023, 113422**. (IF 4.2)**
2.	GO-CNT/AgI nanocomposites: A facile synthesis and environmentally friendly method to removal of organic pollutants	Journal of Molecular Structure	Volume 1286, 15 August 2023, 135500 **(IF 4.7)**
3.	Exploiting the combined power of C3N4/Ti3C2/Gd2O3 Nanocomposites for Advanced ciprofloexain and pathogen degradation in wastewater.	Optik	Volume 299, March 2024, 171577 **(IF 3.1)**

BOOK CHAPTERS			
S. No	**Title of the Paper**	**Name of the Book**	**ISSN No., Pg.No**
1.	Study On Performance of Basin Type Solar Still- For Various Hard Water Samples	Dynamic Trends in Multi Domain Integration	978-93-6048-526-9
2.	"Exploring the impact of Cu doping on TiO_2 photoanodes for efficient dye-sensitized solar cells"	Advances in Ecol ogical and Enviro nmental Research	2517-9454

AS A RESOURCE PERSON			
S. No	**Name of the Event**	**Name of the Sponsoring Agency**	**Place and Date**
1.	Objectives in Engineering Physics	Unnamalai Institute of Technology , Kovilpatti	21.01.2021
2.	New Technologies for Energy Sources	Govt. Arts and Science College, Kovilpatti	26.03.2021

WEBMINARS/SEMINARS/ CONFERENCES / SYMPOSIA / WORKSHOP PAPER PRESENTED: National - International - 05			
S. No	**Name of the Event**	**Name of the Sponsoring Agency**	**Date**
1.	Indo-Norwegian International online conference on Functional materials for Energy, environment and biomedical Applications- FARAON-2022	Institute for Energy Technology (IFE), University of Oslo (UiO), Norway and Madurai Kamaraj University (MKU) India	02- 04 .02. 2022
2	International conference on Technologically important Materials for device fabrication (TIMDF- 2023)	Department of Physics, Aditanar College of arts and science, Tiruchendur	01.09.2023
3	Advancements in Materials Science and Nuclear Energy Research (ICRAMNR- 2024)	Department of Physics, Government arts and science college, Kovilpatti,	16.02.2024
4	The 19th Asian Biohydrogen and Bioprocess Symposium	Kantary Hills Hotel, Chiang Mai, Thailand	18 &19.09.2024
5.	International Conference on "International Conference cum Workshop on the Techniques of Nanomaterials characterization,Hydrogen energy & Fuel cells" (ICWNF 2025).	St. Xavier's College, Tirunelveli.	18 &19.02.2025

Date: Signature