

PROFILE



PERSONAL DETAILS

Name : **Mr.K.VELMURUGAN**
Date of Birth : 05.06.1991
Qualification : M.Sc.,M.Phil.,
Designation : Assistant Professor
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	
*ORCID ID	
*SCOPUS ID	
*RESEARCHER ID/ PUBLONS ID	
GOOGLE SCHOLAR LINK	https://scholar.google.com/citations?user=xAI6BIYAAAAJ&hl=en

TEACHING EXPERIENCE

Date of Appointment	14.09.2020
Date of Retirement	-
Teaching Experience	7.5 years
UG	4.5 years
PG	-
Research	Nanocomposites, Renewable Energy Physics

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. Nanocomposites
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 Supercapacitor Performance and Organic Pollutant Removal by Incorporating Bi ₂ WO ₆ Decorated g – C ₃ N ₅ into Reinforced Polypyrrole”	28,000 /-	6 Months (Completed) (2023-2024)
3.	G.Venkataswamy Naidu College(Autonomous), Management	Novel Au nanoparticles decorated g-C ₃ N 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
OTHER INDEXED	AS A RESOURCE PERSON	PAPERS PRESENTED IN NATIONAL AND INTERNATIONAL SEMINARS	WEBINARS, SEMINARS, WORKSHOPS ATTENDED	

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@Dy ₂ MoO ₆ heterojunction for catalytic performance and effective wastewater treatment	Optical materials	Volume 136, February 2023, 113422. (IF 3.754)
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 3.841)

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 Ecological and Environmental 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 -			
S. No	Name of the Event	Name of the Sponsoring Agency	Place and Date
1.	THE 19th ASIAN BIOHYDROGEN AND BIOPROCESSES SYMPOSIUM	Kantary Hills Hotel, Chiang Mai, Thailand	Thailand 18 & 19.09.2024
2.	Advancements in Materials Science and Nuclear Energy Research (ICRAMNR- 2024)	Department of Physics, Government arts and science college, Kovilpatti,	16.02.2024
3.	International conference on Technologically important Materials for device fabrication (TIMDF- 2023)	Department of Physics, Aditanar College of arts and science, Tiruchendur	01.09.2023

Date :

Signature