

CURRENT Ph.D. SCHOLARS



Mr. GUNASEKARAN A

Hybrid Perovskite for Energy Harvesting



Ms. MANJUPRIYA J

Electrocatalytic water splitting



Ms. KAVIPRIYA R

*Photo-electrocatalytic Nitrogen
and CO₂ Reduction Reaction*

Mr. GOWTHAMBABU V

*2D layered materials on Group III-Nitride
NWs for HER and NRR*



Mr. THANGA BHARATHI T

*Studies on the Nitride Perovskite Nanostructures
for Energy Harvesting*



Ms. SUWATHAA V

*Machine Learning Assisted H₂ Production by
Water Splitting: A Theoretical Approach*





Ms. RUGAIYA HAJEERA M

*Development of a Nanostructured Smart Drug
Delivery System*



LIST OF STUDENTS WHO COMPLETED Ph. D

NAME	THESIS TITLE	CURRENT POSITION
 <p>Dr. V. Purushothaman <u>Graduated Year - 2014</u></p>	<p>Fabrication, Characterization and Applications of Catalytic and Self-Catalytic Assisted Gallium Nitride (GaN) and Indium Gallium Nitride (InGaN) Nanowires by Chemical Vapor Deposition</p>	<p>Technical Competence Lead–Practice Control, ASML Netherlands, Eindhoven, The Netherlands.</p>
 <p>Dr. P. Sundara Venkatesh <u>Graduated Year - 2014</u></p>	<p>Investigations on the growth, characterization and applications of vertically aligned ZnO Nanorods by rf- magnetron sputtering</p>	<p>Assistant Professor & Head, Department of Physics, Sri S. Ramasamy Naidu Memorial College, Sattur - 626203, Tamil Nadu</p>



Dr. C. Gopalakrishnan
Graduated Year - 2015

Investigation on the fabrication, magnetic and gas sensing properties
of Ni-WO₃ nanostructures

General Manager, Technologies
IITM Pravartak Technologies Foundation,
Technology innovation Hub
IITM Research Park
Taramani - 600013.



Dr. P. Justin Jesuraj
Graduated Year - 2017

Study on charge injection enhancement strategies in organic light
emitting devices

Associate Professor in Physics,
Faculty of Engineering & Technology
SRM Institute of Science and Technology,
Kattankulathur
Chennai - Tamil Nadu.



Dr. V. Rajiu
Graduated Year – 2018

Multifunctional hybrid nanoconjugates for cancer theranostic applications

Postdoctoral Research Associate,
Department of Radiology,
Washington University School of
Medicine in St. Louis,
St. Louis,
Missouri, 63110,
United States.



Dr. P. Dharmaraj
Graduated Year – 2018

Graphene/Semiconductor heterostructures for Schottky junction devices

Research Associate
Cambridge Graphene Centre
Department of Engineering
University of Cambridge
United Kingdom
CB3 0FA



Dr. M. Gopalakrishnan
Graduated Year – 2020

Synthesis and characterization of In(GaN) nanoparticles and photoelectrochemical water splitting using InGaN nanowires

School education,
Government of Tamil Nadu



Dr. R. Parameshwari
Graduated Year – 2020

A study on synthesis strategies, Physicochemical properties and applications of graphene nanohybrids

Assistant Professor in Physics,
Faculty of Engineering & Technology
SRM Institute of Science and Technology
(Deemed to be University),
Tiruchirappalli Campus.



Dr. G. Paulraj
Graduated Year – 2021

**2 Transition Metal Dichalcogenide
(MoS_2 , NbS_2 , VS_2) Heterostructures For Hydrogen Evolution And
Nitrogen Reduction Reactions.**

Post Doctoral Research Fellow,
Photonics Laboratory,
King Abdullah University of Science and
Technology (KAUST), Thuwal
Kingdom of Saudi Arabia



Dr. T.S. Sheena
Graduated Year – 2021

**Label-free identification of molecules at the cellular level in Liposomal
assisted nanohybrid drug delivery system by Raman scattering**

Post-Doctoral Fellow,
Centre for Biomedical Photonics (CBMP)
College of Physics and Optoelectronic
Engineering
Shenzhen University
China



Dr. S. Gopalakrishnan
Graduated Year – 2021

Visible Light-Driven Efficient
Photoelectrochemical Water Reduction Using Silicon Nanowire
Heterostructures

Post-Doctoral Researcher,
Harbin Institute of Technology,
Shenzhen,
China



Dr. N. Anbarasan
Graduated Year – 2024

Investigation Of Thes Gan Nanowires Grown By Halide Chemical
Vapour Deposition For Photo-Electrochemical Water Splitting And
Photodetector Application

Post-Doctoral Fellow,
Centre for Nanoscience and
Nanotechnology,
Department of Physics,
Bharathidasan University,
Tiruchirappalli – 620024
India.

Post Doctoral Fellows



Dr. P. Manivel

Nanofiber polymer membranes trigger the reduced bio-fueling formation

**Dr. D.S. Kothari fellow
(2016 -2019)**



Dr. S. Sadhasivam

Organic-inorganic hybrid ferroelectric perovskite solid solution materials for optoelectronic devices

**SERB-NPDF &
Dr. D.S. Kothari fellow
(2016 – 2021)**