

FACULTY PROFILE

Name : Dr. V. Ramasubbu
Designation : Assistant Professor
Department : Science and Humanities
Official address for Communication : National Engineering College,
K. R. Nagar,
Kovilpatti - 628503.
Official E-mail Id : ramasubbu@nec.edu.in
Mobile Number : 97512 82159



1. Personal Details:

Date of Birth & Age : 25/03/1986 & 35
Sex & Marital Status : Male & Married
Nationality : Indian

Qualification :

Degree	Programme and Specialization	Class/ Year	Month & Year of Passing	Institute/University
Ph. D	Nano materials	-	January 2020	Anna University, Chennai.
M. Phil	Physics	I	July 2010	Madurai Kamaraj University, Madurai.
M. Sc	Physics	I	July 2008	Thiagarajar College, Madurai.
B. Sc	Physics	I	April 2006	Madurai Kamaraj University, Madurai.

Professional Experience :

Designation	Institution/ Organization	Period	Nature of Duties
Assistant Professor	Fathima Michael College of Engineering and Technology, Madurai.	2012-2013	Teaching
Lecturer	Theni Kammavar Sangam College of Technology, Theni.	2011-2012	Teaching

Date of joining : 01.10.21
Present status : Assistant Professor

Courses taught:

Course Title	U.G. or P.G.
Engineering Physics I & II	U.G.

2. Academic Achievements:

Short term Courses / Seminars / Conference/ Workshops Attended:

S. No	Title	Programme	Date	Venue
1	Enhanced photovoltaic performance of TiO ₂ aerogel-Co-BTC metal organic framework composites based quasi-solid dye-sensitized solar cells (QSDSCs)	6 th International Conference on Functional Materials and Devices (ICFMD-17)	15-18 th Aug 2017	Centre for Ionics, University of Malaya, Malaysia.
2	Titania aerogel-Metal Organic Framework composites as photoanode for Dye-Sensitized Solar Cells	International workshops on Advanced functional Nanomaterials – 4 th Edition (IWAN-4)	22-24 th March 2017	Centre for Nanoscience and Technology, Anna University, Chennai.
3	Advanced Materials	Annual Lecture Workshop on Advanced Materials	11-12 th Oct 2018	PSN College of Engg. & Tech., Tirunelveli
4	Synthesis and characterization of Cu-BTC-Titania aerogel	National Conference on Materials Science and Technology (NCMST-16)	12-14 th July 2016	Indian Institute of Space Science and Technology, Thiruvananthapuram, Kerala.
5	Thin film solar cells	National workshop and Hands on Training Programme on Thin Film Solar Cells	11-12 th Nov 2016	Centre for Nanoscience and Technology, Anna University, Chennai.
6	Synthesis and characterization of TiO ₂ aerogel metal organic framework composites.	International conference on Nanomaterials for Energy, Environment, Catalysis and Sensors (ICNEECS-15)	11-12 th Dec 2015	School of Chemistry, Madurai Kamaraj University, Madurai.
7	Dielectric studies on MOF-Aerogel composites	National Conference on Materials Science and Technology (NCMST-15)	6-8 July 2015	Indian Institute of Space Science and Technology, Thiruvananthapuram, Kerala.
8	Nanomaterials for Solar Cell Applications	One-day National Level webinar on Nanomaterials for Solar Cell Applications	10 th June 2020	AMET University, Chennai.

3. Publications:

Journal publications

International Journals

: 06

INTERNATIONAL JOURNAL PUBLICATIONS

S.No	Title of the paper	Authors	Journal	Vol, Pages, Year
1	Three-dimensional hierarchical nanostructured TiO ₂ aerogel/Cobalt based metal-organic framework (MOF) composite as an electrode material for supercapattery	V. Ramasubbu, F. S. Omar, K. Ramesh, S. Ramesh, X. Sahaya Shajan	Journal of Energy Storage	32, 101750, 2020.
2	Highly interconnected porous TiO ₂ -Ni-MOF composite aerogel photoanodes for high power conversion efficiency in quasi-solid dye-sensitized solar cells.	V. Ramasubbu, P. Ramkumar, E. M. Mothi, K. Karuppasamy, K. Hyun-Seok, T. Maiyalagan, X. Sahaya Shajan	Applied Surface Science	496, 143646, 2019
3	TiO ₂ aerogel-Cu-BTC metal-organic framework composites for enhanced photon absorption	V. Ramasubbu, S. Alwin, E. M. Mothi, X. Sahaya Shajan	Materials Letters	197, 236-240, 2017
4	Porphyrim-sensitized quasi-solid solar cells with MOF composited titania aerogel photoanodes	P. Ramkumar, V. Ramasubbu, X. Sahaya Shajan, E. M. Mothi	Materials Today Energy	18, 100511, 2020
5	TiO ₂ aerogel-metal organic framework nanocomposite: a new class of photoanode material for dye-sensitized solar cell applications.	S. Alwin, V. Ramasubbu, X. Sahaya Shajan	Bulletin of Materials Science	41, 27, 2018
6	Effect of reaction period on stoichiometry, phase purity, and morphology of hydrothermally synthesized Cu ₂ NiSnS ₄ Nanopowder	G. Sahaya Dennish Babu, X. Sahaya Shajan, S. Alwin, V. Ramasubbu, Gopal M. Balerao	Journal of Electronic Materials	47(1), 312-322, 2018