

FACULTY – PROFILE

1. Name : Dr. S.RENUKADEVI
2. Designation : Assistant Professor
3. Department : PHYSICS
4. Date of Joining : 14.03.2022
5. E-mail : srenuga.msc@gmail.com
6. Phone No. : 9500449333
7. Educational Qualification



Degree	Institute	Specialization	Name of the Degree	Year	Division
UG	Thiruvalluvar Govt. Arts College, Rasipuram	Physics	B.Sc	2004	Periyar University
PG	Annamalai University Chidambaram	Physics	M.Sc	2006	Annamalai University
M.PHIL	Periyar University	Physics	M.PHIL	2007	Periyar University
Ph.D	Thiruvalluvar Govt. Arts College, Rasipuram	Physics (Nanotechnology)	Ph.D	2021	Periyar University

1. Employment Record (from present to past)

Organization	Period		Designation
	From	To	
VMKV Engineering College, Salem	04.10.2007	25.07.2011	Lecturer
Gnanamani College of Technology, Pachal, Namakkal	12.06.2012	10.03.2022	Assistant professor
K.S.R.College Of Engineering , Tiruchengode	14.03.2022	Till Date	Assistant professor

2. Memberships of Professionals / Learned Bodies / Societies

S.No.	Name of the Professionals/Learned bodies/Societies	Membership No
1.	-	-

3. Awards / Prizes Received

Name of the Award	Year	Awards / Prizes received from
-	-	-

10. R & D Details

a) Research Grants Received

Year	Project Title	Reference No	Total Amount Received	Sponsoring agencies
-	-	-	-	-

b) PhD Registration Details

Year of Registration	Topic	Name of the Supervisor	Reference No	Name of the University
-	-	-	-	-

11 Conference Grants Received

Title of the Conference	Duration	Sponsoring agencies	Amount received
-	-	-	-

12. Publications

i) Publications in Journals

SI.No	Name of the Author	Title of the Paper	Journal Name	Vol , No & pages	Year of Publication
1	S.Renukadevi, A.Pricilla Jeyakumari	One-pot microwave irradiation route to synthesis of CoFe ₂ O ₄ -g-C ₃ N ₄ heterojunction catalysts for high visible light photocatalytic activity: Exploration of efficiency and stability,	Diamond and Related Materials,	Volume 109(2020)	July 2020
2	S.Renukadevi, A.Pricilla Jeyakumari	Rational design of ZnFe ₂ O ₄ /g-C ₃ N ₄ heterostructures composites for high efficient visible-light photocatalysis for degradation of aqueous organic pollutants, ,	Inorganic Chemistry Communications. Elsevier	Volume 118	June 2020
3	S.Renukadevi, Pricilla Jeyakumari	A Novel microwave induced preparation of CuFe ₂ O ₄ /g-C ₃ N ₄ based efficient Photocatalyst for enhanced visible light hydrogen evolution,	Journal of materials science: Matter electronics	Issue 2: 25399 - 25408	Sep 2021
4	S.Renukadevi, A. Pricilla Jeyakumari	Microwave induced inverse spinel NiFe ₂ O ₄ Decorated	Journal of Cluster	0876-021-02123-3	June 2021

		g-C ₃ N ₄ Nanosheet for Enhanced visible light Photocatalytic Activity	Science		
5	S.Renukadevi, A.Pricilla Jeyakumari and R. Kannan	Synthesis, structural and antibacterial properties of CuO:CaO nano composites through co- precipitation method,	AIP Conference Proceedings	Volume 2270 & P.No 184	Nov 2020
6	S.Renukadevi, A. Pricilla Jeyakumari	Rational design of ZnFe ₂ O ₄ /g-C ₃ N ₄ heterostructures composites for high efficient visible-light photocatalysis for degradation of aqueous organic pollutants, ,	Inorganic Chemistry Communications. Elsevier	Volume 118	June 2020
7	S.Renukadevi, A. Pricilla Jeyakumari	Novel microwave induced preparation of CuFe ₂ O ₄ /g-C ₃ N ₄ based efficient Photocatalyst for enhanced visible light hydrogen evolution,	Journal of materials science: Matter electronics	32 :25399 - 25408	Sep 2021

ii) **Papers Presented in International Conferences / Symposiums**

Sl.No	Name of the Author	Title of the Paper	Conference Name	Proceeding pages	Date & Year
1.	S.Renukadevi, A.Pricilla Jeyakumar	Superior visible light photocatalytic performance of NiFe ₂ O ₄ decorated g-C ₃ N ₄ sheets hybrid catalysts synthesized by facile microwave irradiation technique	International web conference on advanced materials science and engineering (ICAMSE - 2020)	86	2020 Aug 7 th &8 th
2	S.Renukadevi, A.Pricilla Jeyakumar	A One-Pot Microwave Irradiation Route to Synthesis of CoFe ₂ O ₄ -g-C ₃ N ₄ Heterojunction Catalysts for High Visible Light Photocatalytic Activity:	Virtual International Transdisciplinary Conference VITC	89	2020 August 26 th to 28 th
3	S.Renukadevi, A.Pricilla Jeyakumar	Design and fabrication of high performance visible light induced photocatalyst NiFe ₂ O ₄ - g- C ₃ N ₄ performance	International virtual conference on advance materials for sustainable Development(ICAMSD-2020)	36	2020 August 7 th and 8 th

4	S.Renukadevi, A.Pricilla Jeyakumar	Synthesis ,Structural and antibacterial properties of CuO:CaO nano composites through co-precipitation method	International conference on Physics and Chemistry of materials in novel Engineering Applications, PCMNEA	82	2020 February 9 th and 10 th
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iii) Papers Presented in National Conferences / Symposiums

Sl.No	Name of the Author	Title of the Paper	Conference Name	Proceeding pages	Date & Year
1.	S.Renukadevi, A.Pricilla Jeyakumar.	Advanced Physics in superconductor	National Conference on Frontiers In Advanced Physics [NCFAP]organized by PG &Research Department of Physics,Vivekanandha College of Arts and Science for Women(Autonomous)	78	7 th &8 th February, 2019
2.	S.Renukadevi, A.Pricilla Jeyakumar.	Structural and Antibacterial Activity of Copper Oxide NanoParticles	National Conference on Current Advancement in Physics Organised.by Department of Physics,	57-63	3 rd &4 th February 2017
3.	S.Renukadevi, A.Pricilla Jeyakumar.	Copper Oxide Nano Particles as anAntibacterial Agent	National Conference on Recent Trends in Materials Science-held at PG and Research Department of Physics, Thiruvalluvar Govt. Arts college, Rasipuram	22	25 th January 2017

iv) Publication of Books

Sl. No.	Publication	Date of Publication	Name of the Publisher
-	-	-	-

13. National/International Conferences & Seminar/Workshops attended

S.No	Date	Type of Course(FDP/Workshop/Seminar/Conference/Symposium/any other)	Topic	Organized by	Sponsored by
1.	July2017	Two Week ISTE STTP	Electronic Power System1	ICT(MHRD)	Gnanamani College of Engineering
2.	Dec 2015	Two week ISTE	Short Term Training Programme on Engineering Physics,	ICT(MHRD)	STTP National Mission on Education
3	Jan 2014	Two week ISTE	Workshop on Signals &Systems	Kharagpur	Indian Institute of Technology Kharagpur
4	Jan2009	National workshop	“Three Dimensional Structure Determination of Drug Like Molecules Using X-Ray Crystallography”	Department of Bio Informatics,	VMKV Engg College, Salem.
5	Oct 2009	National workshop	“Matlab and its applications in science& technology”-	Department of Physics,	VMKV Engg College, Salem
6	Nov 2009	ISTE Annual Convention on,	“Impact of Technical Education on Socio-Economic Growth of the Nation”-	Department of Physics,	VMKV Engg College, Salem
7	Feb 2018	National Conference	Emerging Trends in Material Science	Department of Physics , Chemistry and Electronics,	Erode Arts and Science college, Erode
8	5 th Jan 2018	National Conference	Recent Development and Chemistry and Nanoscience	Department of Chemistry	Arignar Anna Government Arts College, Namakkal
9	23 th Nov 2017	National Conference	Advanced Materials for Photovoltaic and Supercapacitors	Department of Physics	Mahendira Engineering College, Mallasamuthiram

10	27 th Oct 2017	National Level Workshop on	Nanomaterials and its Applications-	Department of Physics	Muthayamal Engineering College, Rasipuram
11	08.02.2016 to 13.02.2016	Faculty Development Programme on	Microteching	Gnanamani College of Engineering	Gnanamani College of Engineering, Namakkal
12	2016	National Children Science	24 National Children Science Congress- A Programme of NCSTC	Govt .of India	New Delhi
13	20 th Oct 2016	National Seminar on	The Progress of Carbon Nanomaterials Research	Department of Physics	Thiruvalluvar Government Arts College, Rasipuram
14	19 th Feb 2016	National Conference on	Recent Trends in Nanomaterials	Department of Physics	AVS College of Arts and Science ,Salem
15	29 th to 30 th Jan 2007	National Conference	Recent Advances In Vibrational Spectroscopy	Department of Physics	Periyar University, Salem
16	26 th to 27 th 2007	Second National Symposium on	Optical Crystals AND Modelling IN Crystal Growth	Department of Physics	ANNA University
17	8 th to 12 th 2012	Faculty Development Programme on	Transforming Teaching Skills	Department of Physics	Gnanamani College of Engineering, Namakkal
18	Feb 2010	CSIR National conference on	“Computational applications in Physics and Chemistry”	Department of Chemistry	VMKV Engg College , Salem
19	Sep2009	National conference	Nano Technology”	Department of Physics	VMKV Engg College, Salem
20	16 th June 2020	National conference	Recent Advanced in Materials Science (RAMS2020)	Department of Physics	Government Arts College for Women,Salem
21	7 th July 2020	International webinar on	Materials and Methods for	Department of Bio – Applications	Sacred Heart College.Thirupathur
22	4 th July-2020	Nanocarbon Molecules	Nanocarbon Molecules	Government of Pudhucherry Institution ,Karaikal	Perunthalaivar Kamarajar Institute of Engineering and Technology
23	6 th July2020	Social awrnness	Leadership Exploration and Development	Department of Physics	Government Arts College for Women,Salem

24	14 th Aug2020	One day National Webinar on	Applications of Raman Spectroscopy in Nanomaterials Biosensor	Department of Physics	Padmavani Arts and Science College for Women
25	14 th May 2020	One day National Webinar on	Nano structure Materials for Photoelectrochemical Transformation and Electrochemical Energy storage Applications	Department of Physics	Velammal Institute of Technology
26	25 th to 30 th July 2022	National Virtual Faculty Development Programme	Emerging Trends in Applied Chemistry	Department of Chemistry	Eswari Engineering College
27	29 th July 2022	Webinar on Nanotechnology in Forestry Research	Nanotechnology in Forestry Research	Nanoscience and Technology	Sri Ramakrishna Engineering College
28	05 th July 2022	Webinar on	Accelerators /Incubation – Opportunities for Student & Faculties – Early Stage Entrepreneurs	Department of Chemistry	K.S.R.College of Arts and Science for Women

14. Lecture Delivered : Nil

15. Conference/Seminar Organized : Nil

16. Patent:

S.No.	Author	Title of the invention	status
1	-	-	-

17. Reviewer In : Nil

**Name & Signature
(Dr. S.RENUKADEVI)**