


<b>NAME</b>	Neenu Mary Thomas	
<b>DESIGNATION</b>	Assistant Professor	
<b>QUALIFICATION</b>	M.Sc, UGC CSIR NET	
<b>EMAIL ID</b>	neenumarythomas@morningstar.edu.in	
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<b>TEACHING INTERESTS</b>
Classical & Quantum Mechanics, Solid State Physics

<b>RESEARCH AREAS</b>
Nano Materials Science

**ACADEMIC/PROFESSIONAL QUALIFICATIONS\***

<b>NAME OF THE PROGRAMME</b>	<b>INSTITUTION/UNIVERSITY</b>	<b>YEAR OF PASSING</b>
MSc Physics	St. Joseph's College For Women, Alappuzha, University of Kerala	2013
BSc Physics	St. Joseph's College For Women, Alappuzha, University of Kerala	2011
Plus Two	H.S.S Thiruvampadi , Alappuzha, Board of Higher Secondary Examination	2008
S.S.L.C	St. Antony's G.H.S , Alappuzha ,Board of Public Examinations,	2006

**OTHER TRAINING PROGRAMS ATTENDED**

<b>NAME OF THE PROGRAMME</b>	<b>INSTITUTION/UNIVERSITY</b>	<b>YEAR</b>
Higher Diploma in Software Engineering	NIIT	2011
Summer Research Fellowship Programme	Indian Institute of Science, Bangalore	2012
Orientation Course For Programme Officers of National Service Scheme	Empaneled Training Institution for NSS, Rajagiri College of Social Sciences	2016

Hands on Training on Solar Study Lamp Assembly	IITBombayX	2019
8-Day Online hands- on training on Rietveld Refinement of Powder XRD Data Using FullProf, GSAS and JANA Software	Department of Physics, PSMO College, Kerala in Association with SIAS Research Forum	24-31 July 2021

### **CAREER HISTORY/TEACHING EXPERIENCE**

<b>DESIGNATION</b>	<b>INSTITUTION/UNIVERSITY</b>	<b>YEAR OF SERVICE</b>
Assistant Professor	Morning Star Home Science College, Angamaly	2015-
Guest Lecturer	St. Joseph's College For Women, Alappuzha, University of Kerala	21st October 2013 to 23rd July 2014
Assistant Professor (Adhoc)	College of Engineering and Management, Punnapara	7th of August 2014 to 31st December 2014

### **AWARDS/ACHIEVEMENTS/OTHERS\***

<b>SL.NO.</b>	<b>NAME OF AWARDS/ ACHIEVEMENTS/OTHERS</b>	<b>DESCRIPTION</b>	<b>MONTH/ YEAR</b>
1.	Out Standing NSS Programme Officer	Mahatma Gandhi University, National Service Scheme	2017-18
2	N. Chandrasekaran Nair Gold Medal	University of Kerala	2011

### **PATENTS PUBLISHED/GRANTED**

<b>SL. NO.</b>	<b>Title of the invention</b>	<b>Status</b>	<b>Application No.</b>	<b>Publication Date</b>
1	Novel Rare-Earth (Europium or Terbium) Doped Strontium Aluminate Nanoparticles for Fluorescent Staining of Live Plants	Published	202241024708	13/05/2022

### **JOURNAL PUBLICATIONS**

<b>SL.NO.</b>	<b>TITLE</b>	<b>NAME OF JOURNAL / VOL. NO / ISSUE NO / PAGE NOS</b>	<b>ISSN NO</b>	<b>MONTH / YEAR</b>
1.	Synthesis and Characterisation of SrAl <sub>2</sub> O <sub>4</sub> : Eu <sup>3+</sup> Orange-Red Emitting Nanoparticles <a href="https://rdcu.be/dhKoL">https://rdcu.be/dhKoL</a>	Journal of Fluorescence, Volume 33, issue 4	1573-4994	25 July 2023
2.	<a href="#">Structural and linear optical properties of blue light emitting Sr<sub>3</sub>Al<sub>2</sub>O<sub>6</sub></a>	AIP conference Proceedings, Volume 2265, Issue 1	030141	November 2020
3.	Effect of Gamma Radiation on the Structure of Neodymium: Chromium Doped Silicate Glasses	International Journal of Scientific and Research Publications, Volume 4, Issue 6,	2250-3153	June 2014

### **CONFERENCE PUBLICATIONS**

<b>SL.NO.</b>	<b>TITLE</b>	<b>NAME OF CONFERENCE</b>	<b>VENUE, MONTH / YEAR</b>
1.	Sustainable materials in electronics: advantages and challenges in adopting eco-friendly solutions	Virtual International Conference On Role Of Science And Technology In Achieving Sustainable Development Goals	June 16 and 17, 2023
2.	Synthesis and Characterization of SrAl <sub>2</sub> O <sub>4</sub> : Eu orange-red emitting nanoparticles	7th International Conference on Nanoscience and Nanotechnology (ICONN 2023), SRM IST, Chennai.	March 27-29, 2023
3.	Structural and optical studies of red light emitting Eu doped strontium aluminate	International Seminar on Luminescence Materials [ISLM-2022]	Alleppey, 9-10 December, 2022

	nanoparticles		
4.	Structural and Linear Optical Properties of Blue light-emitting $\text{Sr}_3\text{Al}_2\text{O}_6$	64 <sup>th</sup> DAE Solid State Physics Symposium 2019	IIT, Jodhpur, Rajasthan December 18—22, 2019

#### **ORIENTATION/REFRESHER COURSES ATTENDED**

SL.NO	NAME OF THE PROGRAMME	NAME OF THE ORGANISER	MONTH/ YEAR
1.	Orientation Course	UGC-Human Resource Development Centre University of Calicut, Calicut	20 Days (06/01/2020 to 25/01/2020)
2.	Refresher Course/ MOOC- SWAYAM ARPIT Online Course for CAS Promotion- “X RAY Crystallography”	Indian Institute of Science, Bangalore	16/02/2020
3.	Two Week National Workshop on “Online and Blended Learning”	SNDT Women’s University, Teaching Learning Centre, PMMMMNTT-MHRD	14 days (09/03/2020 to 21/03/2020)

#### **SEMINARS/CONFERENCES/WORKSHOPS ATTENDED<sup>#</sup>**

SL.NO	NAME OF THE PROGRAMME	NAME OF THE ORGANISER & SPONSORING AGENCY	VENUE & DATE	LEVEL *
1.	Virtual International Conference On Role Of Science And Technology In Achieving Sustainable Development Goals	Department of Botany & Biotechnology, Newman College, Thodupuzha, Kerala Department of Zoology, CMS College, Kottayam, Kerala & CSP Alumni In association with Mahatma Gandhi University, Kerala	June 16 and 17, 2023	International
2.	7 <sup>th</sup> International Conference on	The Department of Physics and	March 27-29, 2023	International

	Nanoscience and Nanotechnology (ICONN-2023) (Virtual Conference) March 27-29, 2023	Nanotechnology SRM Institute of Science and Technology, Kattankulathur		
3.	International Seminar on Luminescence Materials	Luminescence Society of India, Department of Physics, All Saints' College, Thiruvananthapuram, Mahatma Gandhi College, Thiruvananthapuram, Sanatana Dharma College, Alappuzha, Department of Nanoscience & Nanotechnology, University of Kerala	9-10 December, 2022, Alappuzha	International
4.	8-Day Online Hands-on training on Rietveld Refinement of Powder XRD Data Using FullProf, GSAS and JANA	PSMO College, Kerala in Association with SIAS Research Forum	24 -31 July 2021	International
5.	Innovation Ambassador training	MoE's Innovation Cell & AICTE	30th June-30th July 2021	National
6.	National Workshop on ICT Tools for Online Learning	SNDT Women's University, Teaching Learning Centre, PMMMNMTT-MHRD	20-28 April, 2020	National
7.	National Seminar in Condensed Matter Physics	Union Christian College, Aluva, DST & DBT	25-27 February 2020	National
8.	Workshop on Condensed matter and Material Science	KSCSTE-Srinivasa Ramanujan Institute of Basic Sciences& Center for Materials for Electronics Technology	Center for Materials for Electronics Technology(CME) , Thrissur, 20-22 September	National

9.	Two-day National Workshop on Electronic Experiments	Union Christian College, Aluva, Academy of Physics Teachers, Kerala	19-20 May 2018	State
10.	Two days Workshop on Nanomaterials and Nanocomposites	Morning Star Home Science College, Angamaly, IIT Kharagpur event	29-30 January 2018	National
11.	Second International Conference on Material Science and Technology	Department of Physics, St. Thomas College, Palai, Kottayam	5-8 June 2016	International
12.	International Conference on “Envision:A Holistic View on Empowering Women”	M G university, Department of Life Long Learning and Extension & NSS, St. Xaviers College for Women, Aluva	15-16 November 2016	International
13.	One Day Capacity Building Cluster Workshop	Office of the new Initiatives in Higher Education	16 January 2017	State

#### **PROFESSIONAL AFFILIATIONS/MEMBERSHIPS**

- Life Member of Indian Association of Physics Teachers
- Life Member of Academy of Physics Teachers(APT), Kerala

#### **POSITIONS HELD IN COLLEGE**

- NSS Programme Officer (2015-2018)
- B.Voc Nodal Officer(2018)
- IEDC Nodal Officer (2020-2022)
- College Magazine -Staff Editor (2019-20)
- College Union Advisor (2021-2022)
- Staff Association Secretary (2022-2023)