

**Name of the Department** : **PHYSICS(PG)**  
**Name of the faculty member** : RUBY JEMIMA J  
**Present Designation** : ASSISTANT PROFESSOR  
**Residential Address** : 36A, SPG KOIL STREET, KEELA  
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**Email** : jjoanna2012@gmail.com  
**Gender** : FEMALE  
**Community** : BC  
**Date of Birth and Age** : 25/07/1982, 39 yrs.  
**Date of joining the present post** : 26/06/2007



**I. Particulars of Educational Qualification: (Awarded only)Ref.No./Date/Copy to be enclosed**

Category	Name of the Degree	Specialization	Year of Passing	Name of the College	Name of the University	% of Marks / Grades obtained	Class obtained
UG	B.Sc.	PHYSICS	2003	Sarah Tucker College	M.S. University	78	I
PG	M.Sc.	PHYSICS	2005	Sarah Tucker College	M.S. University	67.5	I
PG	M. Phil	PHYSICS	2006	-	M.S. University	54	II
Ph.D	Ph.D	PHYSICS	2019	M.S. University	M.S. University	-	-

**II. Academic Experience:**

Name of the College	Whether Govt/Aided/S.F.	Designation	Joining Date	Relieving Date	Experience		
					Years	Months	Days
St. John's College Palayamkottai	SF	Assistant Professor	26/06/2007		14	6	
<b>Total</b>					14	6	

**III. Area of Specialization** : Nanomaterials, Thin Films

**IV. Details of Research Experience :**

No. of papers published in journals : 4

1. J. Ruby Jemima, S. Kalyanaraman, R. Vettumperumal, D.S. Ivan Jebakumar, R. Biju Bennie .R, 2018 'Effect of annealing temperature on the Structural and Optical properties of CuI Nanoparticles', JETIR, Vol. 5, no.12, pp.2349-5162, ISSN NO: 2349-5162.
2. R. Vettumperumal, S. Kalyanaraman, J. Ruby Jemima, 2019 'Analysis of Electronic and Optical properties of Copper Iodide ( $\gamma$ -CuI) by TB – mBJ method – A promising Optoelectronic material', Vacuum, vol. 162, pp. 156-162
3. J. Ruby Jemima, S. Kalyanaraman, D.S. Ivan Jebakumar, R. Biju Bennie, R. Vettumperumal, 2019 'Room Temperature weak Ferromagnetism in Mn doped CuI films' Vacuum, Vol 163, pp. 317-323
4. J. Ruby Jemima, Dr. R. Vettumperumal, Dr. D. Ivan Jebakumar, Dr. S. Kalyanaraman International Journal of Science, Engineering and Management (IJSEM) Vol 4, Issue 3, March 2019, "Structural, Morphological and Optical Studies of CuI/CuO Nanocomposites"

#### **Papers Presented in Conference:**

- State level seminar on crystal growth held at Sarah Tucker College on Feb 2nd 2015.
- State level seminar in recent trends in physics held at St. John's College on 15.4.2016
- National level seminar NSAMS held at MS University on Feb 2008
- State level seminar RIMS-2016 on January 11th at Sadathakathullah appa college
- International Conference on Advanced Materials, Popes College, Saverpuram, Feb 25, 2018.
- International conference on Advanced Materials and their applications 13th Dec 2019, Department of Chemistry, V. O. Chidambaram college, Tuticorin.
- Swayam MOOCs and National Digital Library an IQAC Initiative Programme, 1st February 2020, Organized by Research forum of St. John's College.

#### **No. of conferences & Seminars attended : 15**

1. Introduction to Geographic Information System (GIS) organised by Department of Physics, St. Mary's College (Autonomous), Thoothukudi on 2. 06.2020.
2. Science Talk: E-Lecture Series - Series One: Energy and Optical Materials St. John's College, Palayamkottai and Edussex, Tirunelveli on 6th June, 2020.
3. 'HEALTHIFYING MYSELF' organized by Unnat Bharat Abhiyan and Village Adoption Cell of Sarah Tucker College, Tirunelveli on 30.6.2020
4. Spectroscopic identification of materials organized by Department of physics on 9th July 2020
5. Two day faculty development programme on Digital skills for smart learning organized by Servite Arts and Science and college T. Idaiyapatti on 16.6.2020 to 17.6.2020.
6. "Importance of Spectroscopy in NET Examination" by Prof. P.S. Kalsi on 12.06.2020 Organized by Department of Chemistry and Physics, Government Arts College (A)

7. Three Day national online workshop on ICT Tools for smart Teaching held 18.6.0 to 0. 6.20 Servite College of Education for women.
8. One week online Faculty Development Program on Materials: Recent Trends & Engineering Applications during 02 - 07 June 2020 organized by GOKARAJU RANGARAJU Institute of Engineering and Technology.
9. Advanced Materials: Webinar Series – II” organized by the Department of Physics, School of Basic Sciences, Vels Institute of Science, Technology & Advanced Studies (VISTAS), Pallavaram, Chennai- 117 from 28 – 30 May 2020 .
10. International webinar on “Exploring the Opportunities for Research Abroad and Motivation for Young Minds in STEM” organized by the Department of Physics, Sarah Tucker College (Autonomous), Tirunelveli-7, Tamilnadu, India on 03.07.2020.
11. Teacher Resilience: The blue print of Efficiency during uncertainty Organized by St. Marys College and Annamal Colledge for Education Thoothukudi on 23.5.20.
12. National Level Quiz on COVID 19 organized by PG and Research department of biochemistry, Mohamed Sathak College for Arts and Science and Tamil Nadu State council for Science and Technology
13. State Level Seminar on Recent Trends In Material Science, Sadakathullah Appa College, Tirunelveli- 11, Dec 17, 2018. Attended and presented a paper.
14. International Conference on Recent Trends in Multi- Disciplinary Research (ICRTMDR-APC Mahalakshmi College, Thoothukudi, 20& 21 December. Attended and Presented a paper.
15. International conference Advanced materials and their applications (INCAMA)- 2018, VOC College, Thoothukudi, 27 December. Attended and presented a paper.

**No. of projects guided :**

M.Sc- 14

M.phil – 4

FROM DARKNESS

LEAD US UNTO LIGHT