

# NIRMALA COLLEGE FOR WOMEN (AUTONOMOUS)

## COIMBATORE

### STAFF PROFILE

**NAME** : Dr. S. Krishnaveni  
**DESIGNATION** : Assistant Professor  
**DEPARTMENT** : Physics  
**QUALIFICATION** : M.Sc., M.Phil., Ph. D  
**EXPERIENCE** : Teaching : 3.5 Years  
**AREAS OF SPECIALIZATION** : Quantum Mechanics  
**E-MAIL** : krishnaveniphysics19@gmail.com  
**ACADEMIC QUALIFICATIONS** :

DEGREE	YEAR OF COMPLETION	NAME OF THE INSTITUTION	CLASS
Ph.D	2024	PSG College of Arts and Science, Coimbatore	Highly Commended
M.Phil	2018	PSG College of Arts and Science, Coimbatore	Highly Commended
M.Sc	2016	PSG College of Arts and Science, Coimbatore	First Class with Distinction
B.Sc	2014	Navarasam Arts and Science College for Women, Erode	First Class with Distinction – <b>(University VII Rank Holder)</b>
HSC	2011	Komarappa Sengunthar Higher	I <sup>St</sup> Class

		Secondary School, Chennimalai, Erode	
SSLC	2009	Komarappa Sengunthar Girls High School, Chennimalai, Erode	I <sup>st</sup> Class with Distinction

## RESEARCH PUBLICATIONS:

### INTERNATIONAL:

- [1] Asian Journal of Chemistry
- [2] Journal of Optoelectronic and Biomedical Materials
- [3] International journal of scientific & technology research

## PRESENTATIONS IN CONFERENCE:

### INTERNATIONAL:

- [1] **Conference Title:** INTERNATIONAL CONFERENCE ON RESEARCH INNOVATIONS IN MATERIALS SCIENCE AND SPECTROSCOPY (ICRIMS – 2023), Jamal Mohamed College (Autonomous), Tiruchirappalli in association with Indian Spectro Physics Association (ISPA) Chennai.

**Paper Title:** Quantum chemical designing of efficient sensitizers using luminol dye

**Author and Co-Authors name:** S. Krishnaveni and X. Mary Josephine

### NATIONAL:

- [1] **Conference Title:** ADVANCED BIOCOMPATIBLE MATERIALS AND DEVICES/SYSTEMS FOR BIOMEDICAL APPLICATIONS (ABMDB-2023) Sri Ramakrishna Engineering College, Coimbatore – 22.

**Paper Title:** Theoretical investigation of novel  $\pi$ -conjugated materials based on 1,3-di(4-pyridyl)propane as dye sensitizers for effective solar cells.

**Author name :** S. Krishnaveni

## PARTICIPATION IN CONFERENCES:

[1] INTERNATIONAL CONFERENCE ON NANO MATERIAL FOR FRONTIER APPLICATIONS (ICNFA- 2015) at Coimbatore Institute of Technology (2015)

[2] BIOLOGICAL SYNTHESIS OF ZNO NANOPARTICLES USING LEAF EXTRACT OF SENNA AURICULATA organized by Nirmala College for Women, Coimbatore

**PARTICIPATION IN SEMINARS:**

[1] International seminar on the Role of Higher Education in Fostering Global Citizenship, School of Management, Nirmala College for Women, Coimbatore

**PARTICIPATION IN ORIENTATION PROGRAMME/ INDUCTION PROGRAMME/ SHORT TERM COURSES:**

[1] Quantum Computing organized by Centre for Development of Advanced Computing, Hyderabad & Indian Institute of Technology, Roorkee with the support of Ministry of Electronics and Information Technology, Government of India.

**PARTICIPATION IN FACULTY DEVELOPMENT PROGRAMMES:**

[1] Generative AI in Higher Education: Emerging Tools and Future Directions, Nirmala College for Women

[2] Advancements in Material Science” organized by the Department of Physics, KPR Institute of Engineering and Technology, Coimbatore.

[3] Adapting to AI driven industry, Rajapalayam’s Raju’s College

[4] Sustainable Materials and Advanced Research Technologies (SMART-2025), Sacred Heart College, Tiruppur.

[5] Frontiers in Material Science, Department of Physics, SRM Institute of Science and Technology, Ramapuram, Chennai.

[6] Innovative Teaching Strategies, Nirmala College for Women

[7] NAAC Accreditation – Adapting to the Dynamic Landscape, Nirmala College for Women

[8] Together we Achieve, Nirmala College for Women

[9] AI Tools for Higher Education: Possibilities and Challenges, Nirmala College for Women

[10] AI Tools for teaching, Nirmala College for Women

[11] Teaching Methodologies ,IQAC of Stella Matutina College of Education, Chennai and Nirmala College For Women, Coimbatore

**BOOK PUBLICATIONS:**

[1] FUNDAMENTALS OF ALLIED PHYSICS - II

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