



**Name:** SHANMUGAPRIYA A.B

**Designation:** Assistant Professor

**Department:** Physics

**Date of Birth:** 10.03.2000

**Date of Appointment:** 16.08.2022

### Contact Details

**Present Address:** 186, Bungalowmedu first street, Theni – 625 531.

**Permanent Address:** 186, Bungalowmedu first street, Theni – 625 531.

**Mobile** 7812825584

**Email** : [shan.priya@annejac.ac.in](mailto:shan.priya@annejac.ac.in)

[shanmugapriyabala10@gmail.com](mailto:shanmugapriyabala10@gmail.com)

### Academic Qualification

S.No	Degree	University/Institution	Year of Completion
1	B.Sc.,	Jayaraj Annapackiam College for Women (Autonomous), Mother Teresa Women's University Periyakulam, Theni, Tamil Nadu.	2020
2	M.Sc.,	Jayaraj Annapackiam College for Women (Autonomous), Mother Teresa Women's University Periyakulam, Theni, Tamil Nadu.	2022

### Professional Affiliation:

Member in Entrepreneur Cell (2022-2023)

Member in OSA (2022-2023)

Member in Hope Club (2023 – 2024)

Member of Consumer care and HEPSN (2023 – 2024)

**Area of Specialization:** Dye Sensitized Solar Cell, Photocatalytic Activity, Antibacterial Activity.

**Total Experience:** 2 Years

**Paper Presentation:**

1. Laser and its Applications in National Level Inter Collegiate meet at Thiyagaraja College, Madurai on March 2018.
2. Capacitors and its Applications in Jayaraj Annapackiam College for Women (Autonomous), Periyakulam
3. Solar Cell and Dye Sensitized Solar Cell in Jayaraj Annapackiam Collegefor Women (Autonomous), Periyakulam.

**Achievements and certification:**

Got a JAC – Sanction of Research project under JACFRP Scheme.

Got a Merits Certificates in both M.Sc., and B.Sc., at college level.

Selected as a Best Outgoing Student.

Completed Course in Office Automation.

Completed all exams of Dakshina Bharat Hindi Prachara Sabha.

Completed Technical education.

**Papers published in conference proceedings**

- Investigating the Structural and Morphological Variations of NiCo<sub>2</sub>S<sub>4</sub> Nanoparticle by Varying the Concentration of Thiourea, **A.B. Shanmugapriya**, M. Raghanila, A. Juliet Christina Mary and R. Mary Mathelane, Proceedings of the International Virtual Conference on Recent Trends in Physics (ICRTP), 16<sup>th</sup> and 17<sup>th</sup> March, 2023, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam.

**Papers published in international journal**

1. Enhanced photocatalytic and antibacterial performance of NiCo<sub>2</sub>S<sub>4</sub> nanostructures, **Shanmugapriya A. B**, R. Mary Mathelane, A. Juliet Christina Mary, A. Jegatha Christy, and Suresh Sagadevan, MRS Advances (2024) 1-7.

**Seminars / Conference / Workshop/ Quiz attended: 13**