

**Name: N.Pavithra**

Designation: Assistant Professor

Qualification: M.Sc.,

Experience: 3 years

Area of Specialization: Solid State Physics

Papers presented in Conference/Seminar/Workshop: 3

Conference/Seminar/Workshop/Symposium Attended: 5

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### **More details:**

#### **Presentations – Conferences**

- **N.Pavithra, M.Nirmala, S.Nithyasri gayatri and B.Kavitha, Biomolecular interactions of Pure and Co,Ni doped iron oxide nanoparticles from catharanthus roseus and its in vitro cytotoxic effect on MCF-7 cells, 7<sup>th</sup> International conference on nanoscience and nanotechnology(ICONN 2023),SRM University, March 27-29,2023.**
- **N.Pavithra,M.Nirmala,D.Keerthana, Biosynthesis of TiO<sub>2</sub> nanoparticles using nerium oleander leaf extract for photocatalytic activity, Two days national conference on scientific input technological advancement and women empowerment for sustainable development, 02-03 february 2023, Kongunadu arts and science college,Coimbatore,Tamilnadu.**
- **N.Pavithra, Potential applications to antibacterial activity of aloevera from Biochemical synthesis of Silver,Zinc and Iron nanoparticles, 2<sup>nd</sup> International conference on Multifunctional materials, December22-24,2022, Geethanjali college of engineering and technology, Keesara, Telangana,India.**

#### **Abstract Proceedings**

- **N.Pavithra, M.Nirmala, S.Nithyasri gayatri and B.Kavitha, Biomolecular interactions of Pure and Co,Ni doped iron oxide nanoparticles from catharanthus roseus and its in vitro cytotoxic effect on MCF-7 cells, 7<sup>th</sup>**

International conference on nanoscience and nanotechnology (ICONN 2023),SRM University, March 27-29,2023.

- **N.Pavithra,M.Nirmala,D.Keerthana, Biosynthesis of TiO<sub>2</sub> nanoparticles using nerium oleander leaf extract for photocatalytic activity**, Two days national conference on scientific input technological advancement and women empowerment for sustainable development, 02-03 february 2023, Kongunadu arts and science college,Coimbatore,Tamilnadu.

#### **Workshop attended**

- Attended Two days national level workshop on “X-Ray Diffraction and Rietveld Refinement (NWXR-2023) on 11.08.2023 &12.08.2023 at Vellore Institute of Technology, Vellore.

#### **Courses attended**

- **PMRF** course in **Quantum Mechanics**, July- November 2022

#### **Internships – Attended**

- Attended the internship program in **CSIR-SUMMER RESEARCH TRAINING PROGRAM (CSIR-SRTP) 2020 ONLINE** for a period of 3months.
- Attended the internship in **SCIENTIFIC AND INDUSTRIAL TESTING AND RESEARCH CENTRE** ISO/IEC Accredited Laboratory by NABL, Recognised Laboratory by DSIR,BIS,BEE and MNRE ( Si'Tarc) for a periodof 7 days.