

## Faculty Profile

<p>Name : <b>Dr. Chandra</b> Designation : Assistant Professor Department : Physics Contact Details : E-mail : chandra@nie.ac.in Phone : 99802 09605 ORCID ID : <a href="https://orcid.org/0000-0002-8257-0271">https://orcid.org/0000-0002-8257-0271</a> Scopus index ID : 55252490700 Area of Research Interest : X-ray Crystallography, Density Functional Theory, Molecular docking Number of papers published in International Journals : <a href="https://scholar.google.com/citationsuser=kN6l2jAAAAAJ&amp;hl=en">https://scholar.google.com/citationsuser=kN6l2jAAAAAJ&amp;hl=en</a> Number of papers published in National Journals : <a href="https://scholar.google.com/citationsuser=kN6l2jAAAAAJ&amp;hl=en">https://scholar.google.com/citationsuser=kN6l2jAAAAAJ&amp;hl=en</a></p>	
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### **Qualification:**

Ph.D. (University of Mysore), M.Sc (University of Mysore), B.Sc (University of Mysore).

### **Courses Taught:**

#### **List of 5-6 UG courses taught in recent years:**

1. Applied Physics for Computer Science and Engineering Stream
2. Applied Physics Lab for Computer Science and Engineering Stream

**Publications:** Under the following headings:

Text Books: NIL

Book Chapters: NIL

### **Other Achievements**

#### **Ph.D guidance**

Sl. No.	Name of the Candidate with USN	Degree for which Registered	Title of the Thesis	Commencement Year	Probable date of Submission
1	Sunil Kumar K C (USN: 4NI21PPY02)	Ph.D - Physics	Green synthesis of metal oxide nanoparticles: Photodegradation efficiency and electrochemical performance	2023	2027
2	Mohammed Ashraf N Shyabal (USN: 4VV20PPY02)	Ph.D - Physics	Molecular interaction and docking studies of some biologically important heterocyclic compounds	2021	2027

### Sponsored research projects

Sl. No.	Title of the Research Project	Funding Agency	Amount	Duration	Year (From - To)
1	Eco-friendly Fabrication of Nickel Ferrite Nanoparticles: A Dual-Functional Approach for Photocatalytic Degradation and Electrochemical Sensing.	NIE-CRD	50,000/-	1 Year	2025-26
2	Green synthesis of Cerium Vanadate Nanoparticles and their applications in Photocatalytic and Electrochemical Studies	NIE-CRD	50,000/-	1 Year	2024-25
3	Facile synthesis of copper vanadate nanoparticles: evaluation of their photo degradation and electrochemical activity	NIE-CRD	50,000/-	1 Year	2023-24
4	Structural characterization and molecular modelling studies of biologically important heterocyclic compounds	NIE-CRD	33,000/-	1 Year	2020-21

### Professional membership:

- Life member, Indian Crystallographic Association (ICA)
- Life member, Indian Science Congress Association (ISCA)
- Life member, International Association Of Engineers (IAENG)

### Awards:

- Awarded Best paper (GOLD) at National Conference on Applied Sciences, organized by East Point College of Engineering and Technology, Bengaluru, 18-19th January, 2021.
- Awarded Research Fellowship in Sciences to Meritorious Students (RFSMS), UGC, New Delhi, Govt. of India - 2012

### Journal Publication:

Refer the Google scholar: <https://scholar.google.com/citationsuser=kN6l2jAAAAAJ&hl=en>