



*Dr. T A Laxminarayana*

**Designation:** Guest Faculty

**Qualification:** M.Sc, PhD (IIT Bombay)

**Date of Birth:** 02.04.1985

**Date of Joining:** 01.12.2021

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**VIDWAN:** <https://vidwan.inflibnet.ac.in/profile/383949>

**WOS:** <https://www.webofscience.com/wos/author/record/IQU-1972-2023>

### **Area of Interest**

Magnetism and Magnetic Materials, Functional composite materials for Energy harvesting.

### **Courses taught**

Classical dynamics, Quantum Mechanics, statistical mechanics, Analog and Digital electronics, Thermodynamics, Electricity and Magnetism.

### **Career**

- Post-graduation from Osmania University, Hyderabad in M.Sc. (Physics) in 2007.
- Ph.D from Indian Institute of Technology, Bombay in 2018.
- Guest Faculty (2019-present) in Physics Department at Rama Devi Women's University, Bhubaneswar

### **Teaching/Working Experience**

- Two years in S.S.L Degree College, Banswada, Telangana as Lecturer in Physics Department
- Four years in Rama Devi Women's University, Bhubaneswar as guest faculty in Physics Department.
- Worked Extensively in Thick and Thin film formation lab in IIT Bombay

### **National Exams qualified**

- Qualified GATE-2010 exam in physics discipline with an All India rank of 66.

- Qualified NET exam in December 2009 and was awarded CSIR-JRF.
- Student of National Cadet Corps during the Bachelor's degree and qualified the exams for B& C certificates.

### **Research Guidance**

Guided UG students in their 6<sup>th</sup> semester for Discipline Specific Elective project in Rama Devi Women's University, Bhunaneswar.

### **Publications/Conferneces**

- Laxminarayana T.A., Subhendu Kumar Manna, Fernandes B. G. and Venkataramani N., "Study of AC magnetic properties and core losses of Fe/Fe<sub>3</sub>O<sub>4</sub> – epoxy resin soft magnetic composite", Physics Procedia **75** (2015) 1396-1403.
- Laxminarayana T. A., Subhendu Kumar Manna, Fernandes B. G. and Venkataramani N., "Iron- Epoxy resin soft magnetic compositesII, presented in ICMAGMA 2015 conference, VIT Vellore.
- Poster presentation in IOP 2015 International conference, Barcelona, Spain.

### **Analytical Instruments expertise:**

- Broadband dielectric spectrometer
- Dilatometer
- B-H Loop tracer
- VSM
- PPSM
- SQUID
- LCR Impedance analyzer