



Dr. RANJANA

Assistant Professor

EXPERIENCE (TEACHING):

- **Assistant Professor** at RNSIT (January 2026 - till date).
- **Raichur University and LVD College**, Raichur, Karnataka **2023**
- **Mangalore University**, Mangalore, Karnataka **2018 – 2021**
- **Field Marshal K. M. Cariappa College**, Karnataka **2016 – 2017**

QUALIFICATIONS:

- **Doctor of Philosophy (Ph.D.) in Physics**
Mangalore University — 2022
Thesis Title: “Photo-Driven Synthesis of Gold Nanoparticles Using Silk Fibroin: Characterization and Colorimetric Sensor Applications”
- **Master of Science (M.Sc.) in Physics**
- **Bachelor of Science (B.Sc.) (Physics, Chemistry, Mathematics)**
Alva's Education Foundation,
Mangalore University

PROFESSIONAL EXPERIENCE:

- **Facility Technologist** (CeNSE), Indian Institute of Science (IISc), Bengaluru
- **Postdoctoral Fellow**, Mahatma Gandhi University, Kottayam, Kerala

SPECIALIZATION (ACADEMICS):

- **Physics - Electronics**

RESEARCH EXPERTISE

- Research experience in **nanoscience, biomaterials, triboelectric nanogenerators, food packaging, cancer therapy, EMI shielding, and sensor technologies**

PUBLICATIONS:

1. **Google Scholar:** <https://scholar.google.com/citations?user=4OZpHZMAAAJ&hl=en>
2. **Orcid ID:** <http://orcid.org/0000-0002-5692-3416>

KEY JOURNALS PUBLISHED

1. **Journal of Materials Science: Materials in Electronics BioNanoScience**
2. **Journal of Dispersion Science and Technology**
3. **ACS Omega**
4. **Results in Chemistry**