**ANNAMACHARYA UNIVERSITY FACULTY DETAILS FOR WEBSITE**

**About Profile**

PHOTO

NAME: Dr.C.Rajababu

DATE OF BIRTH:June 18, 1988

DESIGNATION: Assistant Professor

DEPARTMENT: Department of Physics

EMAIL ID: baburaja46@gmail.com

DATE OF JOINING :07.08.2023

EMPLOYEE ID: AITS991073

## Academic Profile

| **Qualification** | **Name of the Board/University** | **YEAR** |
| --- | --- | --- |
| Ph.D. in Material Science | Yogi Vemana University, Kadapa | 2016 |
| B.Ed. in Mathematics and Physical Science | Sri Venkateswara University, Tirupati | 2012 |
| M.Sc. in Physics | Yogi Vemana University, Kadapa | 2011 |

## Research Details

1. **Areas of Specialization**: Dielectric and nanostructured materials  
   - Hydrothermal and co-precipitation synthesis  
   - Optical and dielectric characterization techniques
2. **List of Publications**: 15+ peer-reviewed publications in international journals including Ceramics International, ECS Journal of Solid State Science and Technology, Journal of Magnetism and Magnetic Materials, and more.
3. **Awards Received** :Young Researcher Award, 2021
4. .Research Guidance:
5. No. of PhD Guided: Nill
6. No. of M.Tech Guided:Nill
7. No. of B.Tech Guided:Nill

Details of Professional Membership: Member, Indian Physics Association

Subjects Taught: Applied Physics & Engineering Physics

## - Publication Details

|  |  |  |
| --- | --- | --- |
| **Title** | **Publisher** | **Published Year** |
| Comparative Study of Electrochemical Supercapacitor Performance Among Various Nickel Phases | Ceramics International | 2025 |
| [Structural, Optical, and Antibacterial Properties of NiO and BaO doped NiO-Prepared by Co-precipitation Method](https://link.springer.com/article/10.1007/s12668-025-01914-6) | Bio Nano Science | 2025 |
| Low-Temperature Synthesis of NiO Structures | ECS J. Solid State Sci. Technol. | 2025 |
| Synthesis of High Dielectric Constant Zirconia Nano-Rods | ECS J. Solid State Technol. | 2024 |
| High Dielectric Constant in γ-Al₂O₃-rGO Nanocomposite | ECS J. Solid State Technol. | 2024 |
| Hydrothermal Synthesis of CeO₂ Nanoparticles | ECS J. Solid State Technol. | 2024 |
| Synthesis and Characterization of Monoclinic Phase of Zirconia | Journal of Australian Ceramic Society | 2017 |
| [Synthesis of high saturation magnetic iron oxide nanomaterials via low temperature hydrothermal method](https://www.sciencedirect.com/science/article/pii/S030488531631513X) |  |  |