



# Dr. B. Mercyrani

## Assistant Professor, Department of Physics, RNSIT

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### Experience (Teaching and Industry)

- RNSIT (October 2021- till date)

### Qualifications

- B.Sc in Physics from Avinashilingam University, Coimbatore, Tamil Nadu, India (2014)
- M.Sc in Physics from Kongunadu Arts and Science College affiliated with Bharathiar University, Coimbatore, Tamil Nadu, India (2016).
- Ph.D from Centro de Investigación y de Estudios Avanzados del IPN (CINVESTAV- IPN), Mexico (2021)

### Specialization (Academics)

- Nanoscience and nanotechnology
- Solid state physics
- Electronics
- Quantum mechanics

### Specialization (Research)

- Material science
- Drinking water treatment using nanomaterials
- Photocatalysis and adsorption techniques
- Ball milling
- Nanomaterials synthesis and characterizations

### Publications

- [https://scholar.google.com/citations?view\\_op=list\\_works&hl=en&user=3386y74AAAAJ](https://scholar.google.com/citations?view_op=list_works&hl=en&user=3386y74AAAAJ)
- <https://www.scopus.com/authid/detail.rui?authorId=7203692900>

### Awards Received

- Scholarship awardee for the Ph.D. program (2017-2021) from the National Council of Science and Technology (CONACYT-Mexico) from the project CONACYT-SENER 263043. Project: Application of solar thermal, photovoltaic and photocatalysis for removing heavy metals from drinking water.