

## FACULTY PROFILE



**Name** : Dr .M.Lavanya  
**Area of Specialisation** : Nanooptics  
**Education** : M.Sc.,M.Phil., Ph.D.

### Professional Experience

**Teaching** : 21  
**Research** : 12

### Contact Details

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**LinkedIn Link** : <https://www.linkedin.com/in/lavanya-maruthachalam-989b3a301>

### Research Supervision/Guideship

**M.Phil.** : 8  
**Ph.D. (in progress)** : 1

### Professional Highlights

#### Publications – Articles

**SCOPUS-indexed** : 25  
**Seminar Proceedings** : 45

#### Journal

**Reviewer/Member** : 2

### Membership in Academic or Professional Organisations

1. BOS member, Department of Physics, GTN college Dindigul
2. BOS member, Department of Physics, Kongu Arts and Science College, Erode
3. Mentor for DBT Star College Scheme
  - GTN Arts and Science College, Dindigul
  - Kongunadu Arts and Science College, Coimbatore
  - Sri GVG Visalakshi College for Women, Udumalpet
  - ADM College for Women, Nagapattinam
4. Life member in Optical Society of India

### Projects:

- Sculpturing subwavelength scale focal fields for nanoscale applications using the effect of axial birefringence under tight focusing condition DST SERB CRG- **Rs 2741818**
- Theoretical Investigation on tight focusing of laser beam through dielectric interface UGC(2014-2016) - **Rs 3 Lakhs**
- Theoretical modelling of polymer based photovoltaic solar cell- UGC(2006-2008) - **Rs 25000**

## **Resource Person/Professional Engagement**

1. Workshop/FDP – 45
2. Seminar/Conference - 35

## **Academic Administrative Responsibilities**

- NIRF Team member (2021- till date)
- DBT Star College Deputy Coordinator ( 2015-2020)
- DBT Star College Coordinator - Department of Physics (2013-2020)
- Committee Member, NAAC (2018 to Till date)
- Placement Coordinator (2005 to 2018)
- Member in Purple Heys News Letter (2010-2013)
- Advisor, Physics Club (2007, 2008, 2014, 2018, 2019)
- Internal ISO audit (2015 Onwards)