

## Dr. B. RAVINDRAN, M.Sc., M.Phil., Ph.D.,

Designation : Assistant Professor  
Department : Physics  
Subject Interest : Materials Science  
Specialization : Crystal Growth



### DETAILS OF PROFESSIONAL AND RESEARCH EXPERIENCE (SPECIFYING PERIOD)

#### Lecturer in Physics

Institute : EGS Pillay Engineering College, Nagapattinam  
Period : 4<sup>th</sup> October 2000 to 18<sup>th</sup> February 2006  
Teaching Areas : Engineering Physics-I, Engineering Physics-II,  
Optoelectronics and Switching Devices and  
Materials Science.

#### Senior Lecturer in Physics

Institute : Anjalai Ammal-Mahalingam Engineering College,  
Kovilvanni,  
Period : 20<sup>th</sup> February 2006 to 15<sup>th</sup> March 2010  
Teaching Areas : Electronic Devices and Circuit Analysis, Engineering  
Physics-I, Engineering Physics-II and Materials Science

#### Assistant Professor in Physics

Institute : EGS Pillay Group of Institutions, Nagapattinam.  
Period : 17<sup>th</sup> March to 28<sup>th</sup> July 2015.  
Teaching Areas : Solid State physics and Materials Science  
Research Areas : Crystal Growth and Thin Film Growth

#### Assistant Professor in Physics

Institute : Aringar Anna Govt., Arts College, Attur.  
Period : 29<sup>th</sup> July 2015 to 2<sup>nd</sup> November 2015  
Teaching Areas : Quantum Mechanics, Nuclear Physics & Electronics.  
Research Areas : Crystal Growth.

#### Assistant Professor in Physics

Institute : Thiru. Vi. Ka. Government Arts College, Thiruvarur  
Period : 3<sup>rd</sup> November 2015 Onwards  
Teaching Areas : Solid State Physics and Materials Science  
Research Areas : Crystal Growth.

## ACADEMIC PROFILE

### Ph.D.,

University : Bharathidasan Univeristy, Trichirappalli -24  
Date and Place : July-2011, : ADMC Nagapattinam.  
Research Supervisor : Dr. (Mrs) G. Madhurambal  
Title of Thesis : Growth and Characterization of technologically important crystals with organic and inorganic dopants.  
University : Bharathidasan University  
Main Subject : Physics

### M. Phil.,

University : Bharathidasan Univeristy, Trichirappalli -24  
Date and Place : September 2003, : T.B.M.L. College, Porayar  
Research Supervisor : Mrs. Gene George  
Title of Thesis : Growth and Characterization of organic crystals.  
University : Bharathidasan University  
Main Subject : Physics

### M.Sc.,

University : Bharathidasan University  
College : T.B.M.L. College, Porayar  
Main Subject : Physics  
Year : 1999

### B.Sc.,

University : Bharathidasan University  
College : T.B.M.L. College, Porayar  
Main Subject : Physics  
Year : 1996

## RESEARCH PROJECTS

Completed: Nil

## RESEARCH GUIDANCE

### M.Phil.,

Number of M.Phil., Scholars : 08

Degree Awarded : 07

### Ph.D.,

Number of PhD Scholars : 04 Doing

## PUBLICATIONS - ARTICLES PUBLISHED IN JOURNALS

1. G. Madhurambal, B. Ravindran, M. Mariappan, S.C. Mojumdar. Thermal, UV and FTIR Spectral Studies in alkaline cinnamates J Therm Anal Calor(2010)100:811-815.
2. G. Madhurambal, B. Ravindran, M. Mariappan. Thermal, UV and FTIR Spectroscopic Studies in Mercury cinnamates-Asian Journal of Chemistry vol23.No.2(2011)916-917.
3. G. Madhurambal, M. Mariappan, K. Ramamurthi, S.C. Mojumdar. Thermal, UV and FTIR Spectral Studies in alkaline cinnamates J Therm Anal Calor(2011)104:875-878.
4. B. Ravindran G. Madhurambal, M. Mariappan, K. Ramamurthi S.C. Mojumdar. Growth and Characterization of Mercury Cinnamate crystals J Therm Anal Calor(2011)104:909-914.
5. M. Mariappan, G. Madhurambal, B. Ravindran, S.C. Mojumdar. Thermal, FTIR and Microhardness Studies of bithiourea-urea single crystal. J Therm Anal Calor(2011)104:915-921.
6. K. Ramamurthi G. Madhurambal, B. Ravindran, M. Mariappan, S.C. Mojumdar. The growth and Characterization of metal organic crystal, potassium thiourea cyanide. J Therm Anal Calor(2011)104:943-947.
7. B. Ravindran G. Madhurambal, M. Mariappan, S.C. Mojumdar. Synthesis and Characterization of Some crystals of thiourea urea zinc chloride J Therm Anal Calor(2011)104:893-899.
8. S.C. Mojumdar G. Madhurambal, M. Mariappan B. Ravindran, Nucleation Kinetics of a new nonlinear optical crystal J Therm Anal Calor(2011)104:901-907.
9. G. Madhurambal M. Mariappan, B. Ravindran, S.C. Mojumdar. Thermal and FTIR Spectral Studies in various proportions of urea thiourea mixed crystal. J Therm

**Anal Calori(2011)104:885-891..**

10. **G. Madhurambal,B. Ravindran,M. Mariappan,S.C. Mojumdar. Growth and Characterization of tris thiourea chromium III sulphate.J Therm Anal Calori(2012)108:905-910.**
  
11. **G. Madhurambal,B. Ravindran,M. Mariappan,S.C. Mojumdar.Investgation on the growth and Characterizatrion of nonblinear optical single crystal of bistiourea ironII sulphate.J Therm Anal Calori(2012)108:911-914.**
  
12. **B. Ravindran G. Madhurambal, ,M. Mariappan,Effect of dopant and Spectral characterization of cinnamic acid cry stal GJP&A Sc and Tech2013vol315,1-10.**

#### **POSTERS AND PAPERS PRESENTED IN NATIONAL AND INTERNATIONAL LEVEL**

- Poster presentation in a National Conference on Recent Advances in Textile and Electrochemical Sciences (04.12.09 and 05.12.09)at CECRI Karaikudi.
- Paper Presentation in International Conference held at EGS Pillay Engineering College, Nagapattinam from 26.05.11 tp 27.05.11.
- Paper Presentation in International Conference held at EGS Pillay Engineering College, Nagapattinam from 26.05.11 tp 27.05.11.
- Presented a paper in National seminar on Instrumentation Techniques Applied to Chemical Sciences (02.04.09 and 03.04.09) at ADMC Nagapattinam.
- Presented a paper in National Conference on 28<sup>th</sup> september13, at EGS Pillay Engineeng College, Nagapattinam.

#### **INVITED GUEST LECTURES**

**NIL**

## TRAINING PROGRAMME

1. Attended 10 days Orientation Programme for NSS Programme Officer at MSW, Egmore, Chennai on 2001.
2. FDP on Materials Science at ANNA UNIVERSITY, Chennai from 8<sup>th</sup> to 12<sup>th</sup> Dec 2003.
3. Two UGC sponsored Regional Symposium on Environmental Impact Assessment and Control-2004 on Sept 2-3 2004.
4. One Day Work Shop on Ultrasonics at St. Joseph's Trichy on 29.10.2004.
5. One Day Work Shop on Scanning Electron Microscope at PM University, Vallam on 20.04.13.
6. Two Weeks Staff Development Programme on New Research Tools for Evolutionary Robotics at EGSPEC, Nagapattinam from 13.05.13 to 26.05.13.
7. One Day Work Shop for Research Supervisors on Quality Research Writing at Bharathidasan University Trichy on 28.02.2014.

## TEACHING EXPERIENCE FROM 2000 TO TILL DATE

Total Teaching Experience	: 15 years
Under Graduate	: 15 years
Post Graduate	: 4 months

## PERSONAL DETAILS

Name	: Dr. B. Ravindran
Gender	: Male
Date of Birth	: 04.11.1974
Age	: 41 years

**Place of Birth** : Chennai

**Marriatal Status** : Married

**Residential Address** : 131,Maraimalai Nagar

9<sup>th</sup> Cross,Velipalayam,

Nagapattinam(District)

TamilNadu, India.

Phone: 04365-247671

Mobile: 9443171560

**Official Address** : Assistant Professor /Physics

PG and Research Department of Physics

Thiru. Vi. Ka. Government Arts College

Thiruvarur -610 003, TamilNadu, India.

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