

Name : L. BRUNO CHANDRASEKAR

Designation : Assistant Professor

Department : Physics

Date of Joining : 02.09.2010

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Educational Qualification:

| DEGREE | SUBJECT | COLLEGE / UNIVERSITY & PLACE | YEAR COMPLETED |
|---------------|----------------|---|-----------------------|
| Ph.D | Physics | Bharathiar University | Pursuing |
| M.Sc | Physics | The American College | 2006 |
| B.Sc | Physics | The American College | 2004 |

Specialisation in Teaching:

- Quantum mechanics
- Solid state physics
- Atomic and molecular & spectroscopy

Specialisation in Research:

- Low dimensional Semiconductors

Research Interests:

- Spin – dependent transport studies
- Preparation of nanoparticles
- Structural properties of low dimensional semiconductors
- Pressure dependent properties of semiconductors

Other Work Experience:

| Designation | Institution / Company | Year - From (month/year) To (month/year) |
|--------------------|------------------------------|---|
| Lecturer | NPR Arts and Science College | June 2007 to April 2010 |
| Lecturer | PVP College | June 2006 to April 2007 |

Other activities / academic credentials:

Articles published in International Journals:

- “Annealing effect on structural and optical properties of electrodeposited CdTe thin film” International Journal of New Innovations 1 (4), 392-394, 2012.
- “Synthesis structural and Optical Properties of Cadmium Doped Zinc Oxide Nanoparticles” ,International Journal of New Innovations, 1 (4), 470-473,2012
- “Preparation and characterization of Se-Te-Ag Chalcogenide Thin film” Journal of Nano engineering and Nonmanufacturing and Nonmanufacturing, 3 (3) XXX-XXX 2013

Conference / Seminar Presentations:

- “The sun’s Magnetic Field” ,Presented in National Conference held at Rev Jacob Christian College, Ambilikkai 27th & 28th February 2009.
- “Nanolayers”, presented in UGC Sponsored National Conference at Erode Arts College, Erode, 6th March 2009.
- “Polarizability of Low-dimensional GaAs Semiconductor”, presented in National conference at Sree Sevugan-Annamali college Devakottai 21st & 22nd August 2009, ISBN-978-93-80043-27.2
- "Synthesis and XRD Analysis of Cadmium doped Zinc Oxide Nano particles presented in National Conference at Loyola Institute of Technology & Science, Thovalai 23rd & 24th September 2011
- Synthesis and TC analysis of Cadmium Doped ZnO Nanoparticles presented in National Conference held at NPR Arts & Science College, Natham 30th September 2011
- Synthesis and structural properties of cadmium sulphide Nanoparticles presented in UGC sponsored National Conference held at Sree Narayana College Kollam 12-14 October 2011.
- Synthesis and Optical Properties of Cr doped ZnO Nanoparticles presented in National Conference held at NPR Arts & Science College, Natham 30th September 2011
- Synthesis and Optical Properties of Cadmium Sulfide Nanoparticles presented in UGC Sponsored National Conference held at Sree Narayana College, Kollam 12-14 October 2011.
- Synthesis and Optical Properties of Cr doped ZnS nanoparticles presented UGC sponsored National Conference held at Bishop Hiber College Tiruchirappalli, 11th March 2013