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**EDUCATIONAL QUALIFICATIONS:** M.Sc ( Physics) with 77.2% , Rank 2 from Ravishankar University, Raipur and Ph D in Physics from IIT, Kharagpur

**TEACHING EXPERIENCE:** 24 years of teaching experience in Indian School of Mines, teaching B Tech, M Sc (Tech), M.Sc., Integrated M.Sc. and M Phil students.

**RESEARCH EXPERIENCE:** 28 years of research experience in the fields of Luminescence and Materials Science, broadly in Solid State Physics.

**PROJECTS HANDLED:**

*AICTE Project:* Luminescence Studies of Borate compounds , Duration 4 years (1998-2002), completed.

- ISM Projects:*
1. Opto-electronic Properties of solids, Duration 3 years (1989-1992), completed.
  2. Studies on Thermally Stimulated luminescence of undoped and doped Borate Compounds, Duration 3 years (2001-2004), completed.
  3. Preparation, Characterization and Thermally Stimulated Luminescence of Undoped and Doped Alkaline Earth Sulphates Phosphors, Duration 3 years (2006-2009), ongoing.

**RESEARCH GUIDANCE:**

- M Phil:*
1. Thermally Stimulated Luminescence Studies of KCl:Mn and KCl: Pb, Mn Single Crystals.
  2. Thermally Stimulated Luminescence Studies of undoped, Cu and Mn doped Lithium and Magnesium Borate Compounds.
  3. Preparation, Characterisation and Thermally Stimulated Luminescence studies of ZnO Nanophosphor
  4. Preparation, Characterization and Study of Optical Properties of ZnS Nanophosphors

- Ph D:*
1. Studies on Thermally Stimulated Luminescence of undoped and doped Borate Compounds.
  2. Preparation, Characterization & Thermally Stimulated Luminescence Studies of Undoped & Doped Alkaline Earth Sulphate Phosphors.

**FOREIGN VISITS:**

1. Visited Freie Universitat Berlin, Germany in 1994 with DAAD Fellowship under Indo- German Cultural Exchange Programme.

2. Visited University of Rome, Italy in 2003 under Indo-Italian Cultural Exchange Programme.

**SEMINARS ORGANISED:**

1. National Seminar on Physico-Chemical Studies of Solids including Minerals and Coal in the Department of Applied Physics in the year 2000.

Convenor: Dr J Manam

2. National Seminar on Recent Advances in Material Sciences organized by Department of Applied Physics, ISMU, Dhanbad during 15-17, Feb., 2008.

Chairman: Dr J Manam