

## APPENDIXES

### **A. Resume of the Candidate**

S. MEENAKSHI SUNDAR (the candidate), was born on June 25, 1964, in Tenkasi (Tirunelveli District). He has acquired the academic degrees B.Sc. (from Madurai Kamaraj University, 1984), M.Sc (from Bharathiar University, 1986) and M.Phil (from Bharathiar University, 1987) in the subject of Physics.

He has about 18 years teaching experience in Sri Paramakalyani College and currently he is a Selection Grade Lecturer there. He has about 7 1/2 years research experience in the field of Crystalline Material Science. He has, to his credit, 7 research papers presented in various national/international conferences and 1 research paper published in an referred international journal. He has been awarded Faculty Development Programme (FDP) fellowship for 2 years by the UGC. He has been the recipient of Best Paper Presentation Award in National Conference on preparation and characterization of Crystalline Materials held at S. T. Hindu College, Nagercoil ( January 19-21, 2006 )

### **B. Publications by the candidate**

#### **I. In International Journal**

On the preparation of ZnO-CdO nanocomposites Materials and Manufacturing Processes(2007) 22, 400-403

## II. In National Conferences

1. Electrical measurements on lead sulfide nanocrystals and grain size using powder XRD.

National Seminar on Recent Advances in Nano Science and Technology (September 29-30, 2005) held at Periyar University, Salem.

2. On the preparation of ZnO-CdO nanocomposites National Conference on preparation and characterization of Crystalline Materials (January 19-21, 2006) held at S.T.Hindu College, Nagercoil.

## III. In International Conferences

1. Synthesis of organic free zinc oxide nanoparticles by Solvothermal process International Workshop on Nano Science and Technology (February 13-17, 2006) held at Anna University, Chennai

2. Structural, electrical and optical studies of solvothermally prepared ZnO nanocrystals Indo-Australian Symposium on Nanoscience and Nanotechnology (March 31 – April 1, 2006) held at Indian Institute of Science, Bangalore.

3. Synthesis and characterization of ZnO nanoparticles by solvothermal technique International conference on Nanoscience and Nanotechnology (August 26-28, 2006) held at University of Madras, Chennai.

4. Synthesis and characterization of  $Zn_xCd_{1-x}O$ : Mn Nanocomposites by solvo technique

International Conference on Lasers and Nanomaterials (November 30 – December 2, 2006) held at University of Calcutta, Kolkata.

5. Synthesis and characterization of  $Zn_xCd_{1-x}O$  nanocomposites

International Symposium for Research Scholars on Metallurgy, Materials Science & Engineering (December 18-20, 2006) held at IIT Madras, Chennai.