

Dr. R. Saravanan – M.Phil. Guidance

S.No.	Name	Title of the Dissertation	University	Year	Status
1	Mr.S. S. Saravanakumar	Structural Refinement, Thermal Vibration and Electron Density Distribution of ZnTe using X-ray Data	Manonmanium Sundaranar University (MSU)	August 2003	Degree Awarded
2	Mr.T. Vivekanandan	<i>Structure and Electronic Properties of III-V Compound Semiconductor GaP</i>	Manonmanium Sundaranar University (MSU)	September 2003	Degree Awarded
3	Mr.A. Mujiber Rahman	Structure and MEM (Maximum Entropy Method) Electron Density Distribution of the Fluorite Type Compound CaF ₂ using Single crystal X - ray Data	Bharathidasan University (BU)	November 2003	Degree Awarded
4	Mr.S. Francis	X – Ray Powder Data Analysis of Sulfides: SrS, PuS, PbS, CaS, BaS, MnS and HgS	Bharathidasan University (BU)	December 2003	Degree Awarded
5	Mrs. B. Revathi	X – Ray Anomalous Dispersion Studies in CdTe at 200 K and 300 K	Manonmanium Sundaranar University (MSU)	September 2003	Degree Awarded
6	Ms. K. Vijayalakshmi	Structure of Metal Alloys NiAl and CoAl	Manonmanium Sundaranar University (MSU)	September 2003	Degree Awarded
7	Ms. J. Gayathri	Electronic Charge Distribution in Metals	Manonmanium Sundaranar University (MSU)	February 2004	Degree Awarded
8	Mr. K. S. Syed Ali	Average and Local Structure of Gallium Arsenide and Germanium: X – ray Data Analysis using Rietveld Structural Refinement and Pair Distribution Function	Bharathidasan University (BU)	November 2004	Degree Awarded
9	Ms. R. Ramya	Effect of Atomic Displacement on the Structural Properties of Copper: Powder X – ray Data Analysis	Bharathidasan University (BU)	December 2004	Degree Awarded
10	Mr. F. Winfred Shashikanth	Experimental Analysis on the Anomalous Dispersion Effects and Charge Transfer in InSb using Single Crystal X – ray Data	Bharathidasan University (BU)	January 2005	Degree Awarded
11	Mr. N. Sheenkumar	Structure of NH ₄ Cl and ND ₄ I in terms of Physical Parameters, Thermal Vibrations and Electron Density Distribution	Bharathidasan University (BU)	February 2005	Degree Awarded
12	Mrs. A. Jeyagowri	X-ray Powder Data Analysis of the Structure of LiF, NaF and LiCl using Rietveld Refinement	Bharathidasan University (BU)	August 2005	Degree Awarded
13	Ms. V. Ramya	. Powder X-ray Study of Calcite and Dolomite and the 'Derived' Structure of Magnesite	Manonmanium Sundaranar University (MSU)	November 2005	Degree Awarded

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14	Mr. A. Antony Michael Regan	Structural Studies of KH_2PO_4 and $\text{NH}_4\text{H}_2\text{PO}_4$ using Powder X-ray Data Analysis: Models With and Without Hydrogen Atoms	Bharathidasan University (BU)	December 2005	Degree Awarded
15	Mr. B. Prakash	Core and Valence Thermal Vibrations in Cr, Na and V	Manonmanium Sundaranar University (MSU)	December 2005	Degree Awarded
16	Ms. J. Sambhavi	Structural Comparison of the Three Grades of Silicon using X- ray Powder Data	Manonmanium Sundaranar University (MSU)	November 2005	Degree Awarded
17	Mrs. N. Kavitha	Structure and Electron Density Distribution of $\text{Ba}(\text{NO}_3)_2$ and $\text{Sr}(\text{NO}_3)_2$ – using Rietveld Refinement	Manonmanium Sundaranar University (MSU)	November 2005	Degree Awarded
18	Mr. A. Ajmal Bhasha	Rietveld Structural Analysis of PbO and Fe_5Sm using Powder X-ray Data	Bharathidasan University (BU)	December 2005	Degree Awarded
19	Mr. S. Baranitharan	Growth and Structural Characterization of Bi, Sb and $\text{Bi}_{0.6}\text{Sb}_{0.2}$ using Powder X - ray Data	Bharathidasan University (BU)	December 2005	Degree Awarded
20	Mrs. S. Vijayalakshmi	Analysis of Phase Transition in $\text{Ag}_{0.05}\text{Na}_{0.95}\text{Cl}$	Bharathidasan University (BU)	December 2005	Degree Awarded
21	Mr. K. Karthikeyan	Structural and Bonding Characterization of Boron Compounds BAs, BP, BN and BPu using Maximum Entropy Method (MEM)	Manonmanium Sundaranar University (MSU)	January 2006	Degree Awarded
22	Mr. A. M. Moorthy	Structural Characterization and Bonding in $\text{Fe}_{0.67}\text{Ni}_{0.33}$, Fe and Mg using Rietveld Refinement of Powder X-ray Data	Bharathidasan University (BU)	April 2006	Degree Awarded
23	Mr. M. Ramachandran	Pair Distribution analysis of Al, Ni and Fe using X-ray Data	Manonmanium Sundaranar University (MSU)	October 2006	Degree Awarded
24	Mr. M. Mohammed Hussain	Growth and Characterization of Dilute magnetic Semiconductors $\text{Ge}_{1-x}\text{Mn}_x$ ($x=0.03, 0.05, 0.07$)	Madurai Kamaraj University (MKU)	April 2008	Degree Awarded
25	Mr. K.Saravanakumar	Characterization of thermoelectric metal elements	Madurai Kamaraj University (MKU)	December 2007	Degree Awarded
26	Mr. S. Sampath Kumar	MEM analysis of Charge Distribution in Simple Metals Al, Cu and Zn using X— Ray Data	Madurai Kamaraj University (MKU)	April 2008	Degree Awarded

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27	Ms. S. Kanmani Chitra	Structural Analysis of Shape Memory Metals Ni and Ti	Madurai Kamaraj University (MKU)	May 2008	Submitted
28	Mrs. K. Selvarani	Structure, Electron Density and Charge Transfer in Zinc Selenide and Zinc Sulfide using Powder X—Ray Data	Bharathidasan University (BU)	April 2008	Submitted
29	Mrs.C. Usha Rani	Structure of LiF using Single Crystal XRD and MEM (Maximum Entropy Method)	Bharathidasan University (BU)	April 2008	Submitted
30	Mr. P. Saravanakumar	Structural Analysis of Semiconducting Systems CdSe and CdS by MEM (Maximum Entropy Method) using X– Ray Data	Bharathidasan University (BU)	April 2008	Submitted
31	Mr. J. Antony Dasan	Defect Structural Analysis using Powder X– Ray Data and Electron Density of KCl with Cd ⁺⁺ impurity	Bharathidasan University (BU)	April 2008	Submitted
32	S. Jegan	Accurate determination of Fractional Atomic Coordinates of atoms in Y ₂ O ₃ and Cr ₂ O ₃	Madurai Kamaraj University (MKU)	2008	Report ready
33	S. Ochathevan	Local Structure of NH ₄ Cl, NH ₄ Br and NH ₄ I	Madurai Kamaraj University (MKU)	2008	Report ready
34	K. C. Anil	Electron Density and Local Structure in CsCl, CsBr and CsI	Manonmaniam Sundaranar University (MSU)	2008	Report ready
35-39	Currently working for their M.Phil. Degrees.				

