LIST OF PUBLICATIONS IN INTERNATIONAL JOURNALS

1. Growth and micromorphology of as-grown ZTS single crystals and etching studies
   P.M.Ushasree, R.Jayavel, C.Subramanian and P.Ramasamy

2. Growth of Zinc thiourea sulfate (ZTS) Single Crystals: A potential semiorganic NLO Material
   P.M.Ushasree, R.Jayavel, C.Subramanian and P.Ramasamy

3. Influence of pH on the characteristics of ZTS single crystals
   P.M.Ushasree, R.Jayavel and P.Ramasamy
   Materials Chemistry and Physics, Vol.61, 1999, pp.270-274.

4. Growth and characterization of phosphate mixed ZTS single crystals
   P.M.Ushasree, R.Jayavel and P.Ramasamy

5. Habit modification of KAP by the influence of impurities
   P.Murugakoothan, R.Mohan Kumar, P.M.Ushasree, R.Jayavel, R.Dhanasekaran and P.Ramasamy
   J. Crystal Growth (In press).

6. Experimental determination of induction period and interfacial energies of pure and nitro doped 4-hydroxyacetophenone single crystals
   Material Chemistry and Physics (In press).

7. Experimental determination of metastable zonewidth, induction period and interfacial energy of ZTS family crystals
   P.M.Ushasree, R.Muralidharan, R.Jayavel and P.Ramasamy
   J. Crystal Growth (Submitted).

8. Growth and characterization of BTCC Single Crystals: A potential semiorganic NLO Material
   P.M.Ushasree, R.Jayavel and P.Ramasamy
   J. Crystal Growth (Submitted).
9. Structure of bis(thiourea) cadmium chloride single crystals
   P.M. Ushasree, Babu Vargheese, R. Jayavel and P. Ramasamy

10. Structure of zinc tris(thiourea) sulfate single crystals
    P.M. Ushasree, P. Santhanaraghavan, Rigi Lara, G. Bocelli, R. Jayavel and P. Ramasamy
    Crystal Engineering (Submitted).

11. Structure of zinc tris (thiourea)sulfo-phosphate single crystals
    P.M. Ushasree, P. Santhanaraghavan, Rigi Lara, G. Bocelli, R. Jayavel and P. Ramasamy
    Crystal Research Technology (Submitted).

PAPERS ACCEPTED / PRESENTED IN NATIONAL / INTERNATIONAL CONFERENCES

1. Growth and characterization of ZTS single crystals
   P.M. Ushasree, R. Jayavel, C. Subramanian and P. Ramasamy

2. Domain structure studies on TGSP single crystals using Scanning Electron Microscope
   G. Arunmozhi, P.M. Ushasree, R. Jayavel and P. Ramasamy

3. FTIR spectra of semiorganic ZTS single crystals
   P.M. Ushasree, R. Jayavel, C. Subramanian and P. Ramasamy
   Conference on Advances in Condensed Matter Physics, Raman School of Physics, Pondicherry University, Pondicherry, February 26-28, 1998.

4. Growth and Micromorphology of as-grown ZTS single crystals and etching studies
   P.M. Ushasree, R. Jayavel, C. Subramanian and P. Ramasamy
   Seminar cum Workshop on Materials and Characterisation, Electrochemical Material Science Division, Central Electrochemical Research Institute, Karaikudi, Tamil Nadu, July 13-17, 1998.

5. Growth of ZTS single crystals: A potential semiorganic NLO material
   P.M. Ushasree, R. Jayavel, C. Subramanian and P. Ramasamy
6. Influence of pH on the growth of bulk ZTS Single Crystals  
P.M. Ushasree, R. Jayavel, C. Subramanian and P. Ramasamy  
The 5th IUMRS International Conference in Asia, Bangalore, India, October 13-16, 1998.

7. SEM studies on nonlinear optical ZTS single crystals  
P.M. Ushasree, R. Jayavel and P. Ramasamy  

8. Growth and characterization of phosphate mixed ZTS single crystal  
P.M. Ushasree, R. Jayavel and P. Ramasamy  

9. Growth and characterization of single crystals of bis(thiourea) cadmium chloride- A potential NLO crystal  
P.M. Ushasree, R. Jayavel and P. Ramasamy  

10. Growth of pure and phosphate mixed ZTS single crystals  
P.M. Ushasree, R. Jayavel and P. Ramasamy  

11. Effect of pH on the growth rate and morphology of ZTS single crystals  
P.M. Ushasree, R. Jayavel and P. Ramasamy  
86th Indian Science Congress, Anna University, Chennai, January 3-7, 1999.

12. Effect of phosphate substitution on the growth rate and morphology of ZTS single crystals  
P.M. Ushasree, R. Jayavel and P. Ramasamy  
Eighth National Seminar on Crystal Growth, Crystal Growth Centre, Anna University, Chennai, February 3-5, 1999.

13. Nucleation studies of 4-hydroxyacetophenone  
Eighth National Seminar on Crystal Growth, Crystal Growth Centre, Anna University, Chennai, February 3-5, 1999.
14. Growth and characterisation of phosphate mixed ZTS single crystals
   **P.M. Ushasree, R. Jayavel and P. Ramasamy**
   Tenth Annual General Meeting of Material Research Society of India, Bhopal, February 8-10, 1999.

15. Growth and FTIR spectral studies of some metal thiourea complex NLO crystals
    **P.M. Ushasree, R. Jayavel and P. Ramasamy**

16. Growth and characterization of zinc (thiourea) chloride single crystals
    **P.M. Ushasree, R. Jayavel and P. Ramasamy**,
    Eleventh American Conference on Crystal Growth and Epitaxy
    University of Arizona, Tuscon, USA, August 2-6, 1999.

Workshops attended

1. Symposium on "Advances in Analytical Instrumentation" organised by University Sophisticated Instrumentation Centre (USIC), Anna University, CEERI, CSIR, CSIP, Dept. of Geology and Mining, Chennai, June 4-5, 1997.


P.M. Ushasree was born on 6th January 1973 in Chennai, the commercial and cultural centre of South India. She did her schoolings from St. Anne's Convent School, Secunderabad and Kendriya Vidyalaya, Secunderabad and Chennai. She obtained her Bachelor and Master of Science Degrees in Physics from University of Madras through Anna Adarsh College for Women and Presidency College, Chennai respectively. She had registered as a full time research scholar in Crystal Growth Centre, Anna University in August 1996. She has carried out research on the growth aspects of semiorganic nonlinear optical materials, optimized the growth parameters and grown bulk crystals.

During the course of her investigation, she was awarded the Senior Research Fellowship by the Council of Scientific and Industrial Research, Government of India. She was awarded the 'Best Paper Award' for her research paper 'Growth and Micromorphology of as-grown ZTS single crystals and etching studies' presented at the seminar on "Materials and Characterisation", held at Electrochemical Material Science Division, Central Electrochemical Research Institute, Karaikudi, conducted during July 13-17, 1998. She is a Life member of Indian Association of crystal growth, Member of Electron Microscope Society of India and an Active member of Society for Advancement of Electrochemical Science and Technology (SAEST).

She has to her credit 11 papers in International Journals and 16 papers in National/International Conferences.