LIST OF PUBLICATIONS

List of Publications in National / International Journals and Proceedings

1. Texturing studies on Sm substituted Bi-2212 high Tc superconductor grown by floating zone technique.

2. Studies on the growth aspects of Eu1.4Ce0.6NbSr2Cu2O10.6 superconducting single crystals.
   E.Srinivasan, S.Uthayakumar, P.Murugakoothan, R.Jayavel, C.Subramanian and P.Ramasamy,

3. Growth and characterisation of superconducting (GdCe)2NbSr2Cu2O10.6 single crystals
   E.Srinivasan, S.Uthayakumar, R.Jayavel, C.Subramanian and P.Ramasamy

4. Preparation, structural and morphological properties of
   Eu1.6Ce0.4NbSr2Cu2O10.8 and Gd1.5Ce0.5NbSr2Cu2O10.6 (Nb-2122) single crystals of superconductors.
   E.Srinivasan, S.Uthayakumar, R.Jayavel, C.Subramanian and P.Ramasamy
5. Comparison of near- $T_c$ behaviours of microwave absorption and resistance in bulk YBCO superconductors

6. Substitutional effect of Mn on floating zone grown Bi-2212 bulk textured crystals
S. Uthayakumar, E. Srinivasan, R. Jayavel and C. Subramanian

7. Microwave absorption spectrum and reentrant phase in Bi 2212 single crystal : Temperature dependence.

8. Studies on the Growth Aspects of Superconducting $\text{Eu}_{1.5}\text{Ce}_{0.5}\text{Sr}_2\text{Cu}_2\text{TiO}_{10-\delta}$ (Ti-1222) Single Crystals
E.Srinivasan, S.Uthayakumar, R.Jayavel, C.Subramanian and T.Nagarajan

9. Effects of Oxygenation processes on (Nd,Gd)-Sr$_2$RuCu$_2$O$_x$ synthesis.
Antonio Vecchione, Marcello Gombos, Consiglia Tedesco, Daniela Sisti, S. Uthayakumar, Sandro Pace.
10. Microwave absorption spectrum and reentrant phase in Bi 2212 single crystal: Microwave power dependence.
G.Ahmad, A.Hashizume, Iwasaki, K.Yoshii, B.J.Reddy,
M.Shahabuddin, S.Uthayakumar, R.Jayavel, T.Endo.

11. Growth of Bi$_2$Sr$_2$Ca(Cu$_{1-x}$Mn$_x$)$_2$O$_8$ Bulk Textured Crystals by IHFZ technique.
S.Uthayakumar, E.Srinivasan R.Jayavel, C.Subramanian and T.Endo

S.Uthayakumar, Shin-ichi Iwasaki, Kouji Yoshi, Gufran Ahmad,
R.Dhanasekaran and T. Endo

13. Point contact spectroscopy on RuSr$_2$GdCu$_2$O$_8$
F.Giubileo, F.Bobba, M.Gombos, S.Uthayakumar, A.Vecchione,
A.I.Akimenko, and A.M.Cucolo.

14. Melt-Textured GdSr$_2$RuCu$_2$O$_8$ samples :Preliminary Results
M.Gombos, A.Vecchione,R.Ciancio,D.Sisti,S.Uthayakumar and S.Pace

15. Pinning energy and Irreversibility Line in Superconducting GdSr$_2$RuCu$_2$O$_8$
C.Attanasio, M.Salvato, R.Ciancio, M.Gombos, S.Pace,
S.Uthayakumar and A.Vecchione
16. Investigations on the growth and surface roughness of single and double layer of La$_{0.7}$Sr$_{0.3}$MnO$_3$ thin films grown by IBS technique. 
S.Uthayakumar, S. Iwasaki E.Srinivasan R.Jayavel, C.Subramanian and T.Endo 
Journal of Crystal Growth, (Communicated) 

17. Growth of Gd$_{1.5}$Ce$_{0.5}$Sr$_2$Cu$_2$RuO$_{10.8}$ Single Crystal: A Novel Superconducting Ferromagnetic Material 
Physica C (communicated) 

18. A study of solid state reaction synthesis of Gd$_{1.5}$Ce$_{0.5}$Sr$_2$Cu$_2$RuO$_{10.8}$ 
Physica C (communicated) 

19. Superconductivity and ferromagnetic studies on Mn doped bulk textured Bi-2212 crystals and sintered ceramics by microwave absorption 
Papers Presented/Accepted in National/International Conferences

1. Growth and Characterization of Bi-2212 crystals grown by floating zone technique.
   VIII National Seminar on Crystal Growth, held at Crystal Growth Centre, Anna University, Chennai-600 025, India, during Feb. 03-05, 1999.

2. Texturing studies on Sm substituted Bi-2212 high Tc superconductors grown by floating Zone technique.

3. Studies on the growth aspects of Eu$_{1.4}$Ce$_{0.6}$NbSr$_3$Cu$_2$O$_{10.5}$ superconducting single crystals.

4. Investigations on Texturing of "Sm" substituted Bi-2212 superconducting bulk single crystals.
   XXX National Seminar on Crystallography, held at Department of Physics, Sri Venkateswara University, Tirupati, India, during June'28-30, 2000.
5. Growth and Characterisation of $\text{Eu}_{1.4}\text{Ce}_{0.6}\text{NbSr}_2\text{Cu}_2\text{O}_{10.5}$ superconducting single crystals.
XXX National Seminar on Crystallography, held at Department of Physics, Sri Venkateswara University, Tirupati, India, during June'28-30, 2000.

6. Growth and characterisation of superconducting $(\text{GdCe})_2\text{NbSr}_2\text{Cu}_2\text{O}_{10.8}$ single crystals
E.Srinivasan, S.Uthayakumar, R.Jayavel, C.Subramanian and P.Ramasamy,
The 1st Asian conference on Crystal Growth and Crystal Technology, held at Sendai Kokusai Hotel, Sendai, Japan, during August 29-September1,2000.

7. Studies on the growth aspects of Nb-1222 Type Nb(RECe)$_2$Sr$_2$Cu$_2$O$_{10}$ (RE = Eu,Gd) Single Crystals
6th International Workshop on Chemical Designing and Processing of High - Tc Superconductors (Chem-HTSC VI), held at Tokyo Institute of Technology, Yokohama, Japan, during October'12-13, 2000.

8. Effect of Mn on the Crystal Growth Morphology of Bi-Sr-Ca-Cu-O
S.Uthayakumar, E.Srinivasan, R.Jayavel, C.Subramanian and P.Ramasamy
9. Crystal Growth and Superconductivity of (RE$_{0.75}$Ce$_{0.25}$)$_2$Sr$_2$Cu$_2$NbO$_{10.8}$
(RE = Eu & Gd)
E.Srinivasan, S.Uthayakumar, R.Jayavel, C.Subramanian and P.Ramasamy

10. Preparation, Structural and morphological properties of Eu$_{1.6}$Ce$_{0.4}$NbSr$_2$Cu$_2$O$_{10.5}$ and Gd$_{1.5}$Ce$_{0.5}$NbSr$_2$Cu$_2$O$_{10.5}$ (Nb-2122) Single crystals of Superconductors.
E.Srinivasan, S.Uthayakumar, R.Jayavel, C.Subramanian and P.Ramasamy

11. Superconductivity and Morphology studies on Gd$_{1.5}$Ce$_{0.5}$NbSr$_2$Cu$_2$O$_{10.8}$ single Crystals

12. Superconductivity of floating zone grown samarium substituted 2212 Textured Bismuth cuprate crystal : Bi$_2$Sr$_2$Ca$_{1.8}$Sm$_{0.2}$Cu$_2$O$_{8+5}$
13. Growth of superconducting single crystal of (RECe)-Sr-Cu-Nb-O compounds,  
E.Srinivasan, S.Uthayakumar, R.Jayavel, and C.Subramanian  
XXXI National Seminar on Crystallography (NSC-2001), June 19-22,  
2001, Bhabha Atomic Research Centre, Trombay, Mumbai-400 085, India


15. Growth and morphology studies of (RECe)$_2$NbSr$_2$Cu$_2$O$_{10.5}$ (RE=Eu&Gd)  
Superconducting single crystals.  

16. Influence of Mn on texturing, morphology and superconductivity of Bi- 
2212 bulk textured crystals.  
S.Uthayakumar, E.Srinivasan, R.Jayavel, C.Subramanian and P.Ramasamy  
17. Growth of Eu$_{1.5}$Ce$_{0.5}$Sr$_2$Cu$_2$TiO$_{10}$ Single crystal: A novel superconducting material.
E. Srinivasan, **S. Uthayakumar**, R. Jayavel, C. Subramanian and P. Ramasamy

18. Growth of rare earth and 3d element substituted Bi-2212 bulk textured crystals by floating zone technique.
**S. Uthayakumar**, E. Srinivasan, R. Jayavel and C. Subramanian

19. Single crystal growth of high Tc superconductors in the system Re-Ce-Sr-Cu-M-O (RE = Eu, Gd and M = Nb, Ti)
E. Srinivasan, **S. Uthayakumar**, R. Jayavel and C. Subramanian

20. Comparison of near Tc behaviours of Microwave absorption and resistance in bulk YBCO superconductors
Third Asia-Pacific EPR/ESR Symposium, October 29-1st Nov, 2001, Kobe, Japan.
21. Growth of Bi$_2$Sr$_2$Ca(Cu$_{1-x}$Mn$_x$)$_2$O$_8$ Bulk Textured Crystals by IHFZ technique.
S. Uthayakumar, E. Srinivasan, R. Jayavel, C. Subramanian and T. Endo

22. Studies on the Growth Aspects of Superconducting Eu$_{1.5}$Ce$_0.5$Sr$_2$Cu$_2$TiO$_{10-δ}$ (Ti-1222) Single Crystals
E. Srinivasan, S. Uthayakumar, R. Jayavel, C. Subramanian and T. Nagarajan

23. Fabrication of LBMO thin films at high temperatures by IBS and ferromagnetic resonance
Shin-ichi Iwasaki, Kouji Yoshi, S. Uthayakumar, A. Gufran and T. Endo

S. Uthayakumar, Shin-ichi Iwasaki, Kouji Yoshi, Gufran Ahmad, R. Dhanasekaran and T. Endo

25. Microwave absorption spectra for perpendicular and parallel fields in Bi2212 Crystal: Power dependence
26. Fabrication of LBMO thin films by Ion Beam sputtering: Crystallinities and ferromagnetic Resonance
Shin-ichi Iwasaki, Kouji Yoshi, Michi Ogata, S. Uthayakumar, A.K. Sarkar and T. Endo
Applied Physics Meeting, Kanagawa University, March 26-30th 2003, Yokohama, Japan

**National and International Workshop / School attended**

1. Workshop on "Experiments at Low Temperatures", held at Inter-University Consortium for Department of Atomic Energy facilities (IUC-DAEF), Indore (M.P), India, during March'1-12, 1999.

2. Advance Lecture Series School on "Ion Beams in High T_c Superconductors and Data Acquisition" held at Nuclear Science Centre, New Delhi, India, during April'2-24, 1999.

3. International School on "Crystal Growth Methods and Processes" held at Crystal Growth Centre, Anna University, Chennai - 600 025, India, during Jan'24 - Feb'4, 2000.

4. National Workshop on "Advanced Microscopic Techniques for Materials Analysis" held at Department of Physics, University of Pune, Pune, India, during Dec'11-16, 2000.