LIST OF PUBLICATIONS

Publications in International/National Journals

1. Growth and Characterisation of NaN0₃ single crystals
   \textbf{R.Gopalakrishnan}, D.Arivuoli and P.Ramasamy

2. Growth of Bismuth silicon oxide and Bismuth germanium oxide crystals by Czochralski technique
   \textbf{R.Gopalakrishnan}, D.Krishnamurthy, D.Arivuoli and P.Ramasamy

3. Growth of Bismuth silicon oxide and Bismuth germanium oxide crystals by Czochralski technique and their characterisation
   \textbf{R.Gopalakrishnan}, D.Krishnamurthy, D.Arivuoli and P.Ramasamy

4. Some aspects of the Growth and Characterisation of BSO and BGO crystals
   \textbf{R.Gopalakrishnan}, D.Krishnamurthy, D.Arivuoli and P.Ramasamy
   Ferroelectrics (USA) 142 (1993) 161-165.

5. Growth of bubble free BSO and BGO crystals under conditions of forced convection in the melt
   D.Krishnamurthy, \textbf{R.Gopalakrishnan}, D.Arivuoli and P.Ramasamy

6. Microscopy observations of Cz grown BSO (Bi₁₂SiO₂₀) crystals
   \textbf{R.Gopalakrishnan}, D.Krishnamurthy, D.Arivuoli and P.Ramasamy

7. Growth of oxide crystals: Effect of change in melt depth
   D.Krishnamurthy, \textbf{R.Gopalakrishnan}, D.Arivuoli and P.Ramasamy

8. Growth of Bi₄(Ge,Si)₃O₁₂ and Bi₁₅(Ge,Si)O₂₀ crystals by Floating Zone technique
   \textbf{R.Gopalakrishnan} and P.Ramasamy
9. XPS studies on BGO and BSO crystals
   **R.Gopalakrishnan**, C.S.Gopinath and P.Ramasamy
   (Communicated)

10. Mechanical and Optical studies on BGO and BSO crystals
    **R.Gopalakrishnan**, M.Kennedy and P.Ramasamy
    (Communicated)

11. Growth of eulytine BGO and BSO crystals
    **R.Gopalakrishnan** and P.Ramasamy
    (Communicated)

**Papers presented in International / National Seminars / symposium/ schools / work shops**

1. Growth and Characterisation of gel grown Brushite crystals
   T.Irusan, **R.Gopalakrishnan** and P.Ramasamy

2. Microindentation studies of BiSe$_{1-x}$S$_x$I single crystals
   D.Arivuoli, **R.Gopalakrishnan** and P.Ramasamy

3. Crystal Growth of NaNO$_2$ by TSZM method
   **R.Gopalakrishnan**, D.Arivuoli and P.Ramasamy
   V National Seminar on Ferroelectrics and Dielectrics, held at Sri Venkateswara University, Tirupati, during Jan.3-5, 1989.

4. Growth of Bismuth silicon oxide (Bi$_{14}$SiO$_{23}$) crystals from melt
   **R.Gopalakrishnan**, D.Arivuoli and P.Ramasamy

5. Growth of SbTeI and SbS$_{1-x}$Br$_x$ crystals
   D.Arivuoli, **R.Gopalakrishnan** and P.Ramasamy

6. Growth of Bismuth silicon oxide crystals by Czochralski technique
   **R.Gopalakrishnan**, D.Krishnamurthy, D.Arivuoli and P.Ramasamy
   VI National Seminar on Ferroelectrics and Dielectrics, held at Kakatiya University, Warangal, during Dec.17-19, 1990.
7. Growth and Characterisation of BSO crystals
R. Gopalakrishnan, D. Krishnamurthy, D. Arivuoli and P. Ramasamy

8. Effect of convection on the formation of gas bubbles in BSO crystals
D. Krishnamurthy, R. Gopalakrishnan, D. Arivuoli and P. Ramasamy

9. Growth of Bi$_2$TeO$_5$ single crystals
M. D. Shaji Kumar, D. Krishnamurthy, R. Gopalakrishnan, D. Arivuoli and P. Ramasamy

10. Growth of Bismuth silicon oxide and Bismuth germanium oxide crystals by Czochralski technique
R. Gopalakrishnan, D. Krishnamurthy, D. Arivuoli and P. Ramasamy

11. Growth of Bi$_{12}$GeO$_{20}$ single crystals
R. Gopalakrishnan, D. Krishnamurthy, D. Arivuoli and P. Ramasamy

12. Bulk growth of Bismuth silicon oxide single crystals: Some studies on critical gas concentration for bubble formation in BSO melt
D. Krishnamurthy, R. Gopalakrishnan, D. Arivuoli and P. Ramasamy

13. Growth of bubble free BSO and BGO crystals - Fluid flow analysis
D. Krishnamurthy, R. Gopalakrishnan, D. Arivuoli and P. Ramasamy
Tenth International Conference on Crystal Growth, held at San Diego, California, USA, during August 16-21, 1992.

14. Growth of oxide crystals: Effect of change in melt depth
D. Krishnamurthy, R. Gopalakrishnan, D. Arivuoli and P. Ramasamy
American Association for Crystal Growth, during August 1993.
15. Growth of oxide crystals: Fluid flow analysis
D.Krishnamurthy, R.Gopalakrishnan, D.Arivuoli and P.Ramasamy
Eleventh Young physicists colloquium of the Indian Physical Society,
held at Shaha Institute of Nuclear Physics, Calcutta, during

16. Avoiding precipitates, microcracks, striations and faceting in BSO
   crystals
R.Gopalakrishnan and D.Arivuoli
Fifth National Seminar on Crystal Growth, held at Crystal Growth
Centre, Anna University, Madras, during Nov.18-20, 1993.

17. Growth of Bi₄(Ge,Si)₃O₁₂ and Bi₁₂(Ge,Si)O₂₀ crystals by Floating
   zone Technique
R.Gopalakrishnan, D.Arivuoli and P.Ramasamy
XXV National Seminar on Crystallography, held at University of

18. Growth and Microscopic observations of BGO and BSO crystals
    R.Gopalakrishnan, D.Krishnamurthy, D.Arivuoli and P.Ramasamy
    Fifth Annual General Meeting - Materials Research Society of India,
    held at Defence Metallurgical Research Laboratory, Hyderabad,
    during Feb.7-9, 1994.

19. Microindentation studies on BSO and BGO crystals
    R.Gopalakrishnan, G.Jasmine Nithila, A.Claude, T.Madhan and
    R.Sebastian
    XXVI National Seminar on Crystallography, held at University of