RESEARCH PUBLICATIONS

JOURNALS:

1. Growth of copper indium sulfo selenide single crystals by chemical vapour transport
   K. Balakrishnan, B. Vengatesan, N. Kanniah and P. Ramasamy

2. Growth and microhardness studies of molybdenum ditelluride crystals
   R.N. Viswanath, K. Balakrishnan, S. Ramasamy and P. Ramasamy

3. Growth and microindentation studies of CuInSe₂ single crystals
   K. Balakrishnan, B. Vengatesan, N. Kanniah and P. Ramasamy

4. Growth and microstructural studies of some indium chalcopyrite semiconductors
   K. Balakrishnan, B. Vengatesan, N. Kanniah and P. Ramasamy
   Crystal Research and Technology, 25(1990)633 (GERMANY).

5. Thermodynamical consideration, growth and characterisation of some ternary chalcopyrite semiconductors
   K. Balakrishnan, B. Vengatesan, N. Kanniah and P. Ramasamy

6. Feasibility study of the chemical vapour transport of ternary compound semiconductor thin films
   K. Balakrishnan, B. Vengatesan, N. Kanniah and P. Ramasamy
7. Microhardness studies of copper indium disulfide single crystals grown by chemical vapour transport

K. Balakrishnan, B. Vengatesan, N. Kanniah and P. Ramasamy
Journal Semiconductor Materials and Devices (INDIA), (in print)

8. Growth and characterization of some I-III-VI$_2$ compound semiconductors

K. Balkrishnan, B. Vengatesan, N. Kanniah and P. Ramasamy
Physics Teacher (INDIA), (in print)

9. Microstructure and microhardness of high temperature superconducting YBCO compound

R.N. Viswanath, K. Balakrishnan, S. Ramasamy and P. Ramasamy
Materials Science and Engineering (Communicated)

10. Growth of copper indium sulfo selenide thin plateles by chemical vapour transport and their characterization

K. Balakrishnan, B. Vengatesan and P. Ramasamy
Thin Solid Films (Communicated)

11. Application of classical nucleation theory to chemical vapour transport

K. Balakrishnan, B. Vengatesan, N. Kanniah and P. Ramasamy
Crystal Research and Technology (Communicated)
CONFERENCES:

1. Growth of NdP₅O₄ stoichiometric lasers crystals from solution
   M. Thirumavalavan, J. Kumar, K. Balakrishnan, F.D. Gnanam and P. Ramasamy

2. High temperature structural phase transition of NaBF₄
   M. Thirumavalavan, J. Kumar, K. Balakrishnan, F.D. Gnanam and P. Ramasamy,

3. Growth and microhardness studies of CuInSe₂ single crystals
   K. Balakrishnan, B. Vengatesan, N. Kanniah and P. Ramasamy

4. Growth of copper indium sulfo selenide crystals by Chemical Vapour Transport
   K. Balakrishnan, B. Vengatesan, N. Kanniah and P. Ramasamy
   National Symposium on Electrochemical Materials Science, CECRI, Karaikudi, 28-30 November, 1988

5. Growth and microhardness studies of molybdenum ditelluride crystals
   R.N. Viswanath, K. Balakrishnan, S. Ramasamy and P. Ramasamy
   National Symposium on Electrochemical Materials Science, CECRI Karaikudi, 28-30 November, 1988

6. Growth and microhardness studies of CuInS₂ single crystals
   K. Balakrishnan, B. Vengatesan and P. Ramasamy
   International Conference and Intensive Tutorial Conference on Semiconductor Materials, New Delhi, Dec. 8-16, 1988
7. Growth of zinc sulfide single crystals by chemical vapour transport

K. Balakrishnan, B. Vengatesan, N. Kanniah and P. Ramasamy
XX National Seminar on Crystallography, BHU, Varanasi,
December 14 - 17, 1988

8. XPS, Microindentation and Far-IR studies of some I-III-VI Semiconductors

K. Balakrishnan, B. Vengatesan, N. Kanniah and P. Ramasamy
DAE Solid State Physics Symposium, Bhopal University, Bhopal
December 20 - 23, 1988

9. Microhardness studies of high temperature Superconducting $Y_1Ba_2Cu_3O_{7-d}$ compound

R.N. Viswanath, K. Balakrishnan, S. Ramasamy and P. Ramasamy
DAE Solid State Physics Symposium, Bhopal University, Bhopal
December 20 - 23, 1988

10. Growth of CuInSe$_2$ thin platelets by chemical vapour transport and their characterization

K. Balakrishnan, B. Vengatesan, N. Kanniah and P. Ramasamy
Seminar on advances in plating & coating technology, I.I.Sc.,

11. Growth and Microstructural Studies of some Indium Chalcopyrite Semiconductors

K. Balakrishnan, B. Vengatesan, N. Kanniah and P. Ramasamy
IV National Seminar on Crystal Growth, Mysore University,
Mysore, August 14 - 16, 1989.

12. Application of Productivity Function in closed tube Chemical Vapour Transport

K. Balakrishnan, B. Vengatesan, N. Kanniah and P. Ramasamy
IV National Seminar on Crystal Growth, Myusore University,
Mysore, August 14 - 16, 1989.
13. Thermodynamical considerations, growth and characterisation of some ternary chalcopyrite semiconductors

K. Balakrishnan, B. Vengatesan, N. Kanniah and P. Ramasamy

14. Microhardness studies of CVT grown zinc sulfide single crystals

K. Balakrishnan, B. Vengatesan, N. Kanniah and P. Ramasamy

15. Electrical conductivity, Microindentation studies of a pseudo ternary semiconductor: CdIn$_2$S$_2$Se$_2$

K. Balakrishnan, B. Vengatesan, N. Kanniah and P. Ramasamy

16. Extension of classical nucleation theory to chemical vapour transport

K. Balakrishnan, B. Vengatesan, N. Kanniah and D. Jayaraman
Symposium on crystal nucleation, solution growth and surface morphology, Anna University, Madras, January 8-9, 1990.

17. Feasibility study of the chemical vapour transport of ternary compound semiconductor thin films

K. Balakrishnan, B. Vengatesan, N. Kanniah and P. Ramasamy
VIII International Conference on Thin Films, San Diego, CA, USA, April 1-6, 1990.

18. Growth of copper indium sulfo selenide thin platelets by chemical vapour transport and their characterisation

K. Balakrishnan, B. Vengatesan, N. Kanniah and P. Ramasamy
VIII International Conference on Thin Films, San Diego, USA, April 1-6, 1990.
19. Application of Classical Nucleation Theory to Chemical Vapour Transport

K. Balakrishnan, B. Vengatesan, N. Kanniah, D. Jayaraman and P. Ramasamy
64th Colloid and Surface Science Symposium and Nucleation Symposium, Lehigh University, Bethlehem, PA, USA, June 18-20, 1990.

20. Feasibility study of chemical vapour transport of ternary compound semiconductor crystals

K. Balakrishnan, B. Vengatesan, N. Kanniah and P. Ramasamy

21. Growth of Molybdenum Ditelluride Single Crystals by Chemical Vapour Transport

K. Balakrishnan, B. Vengatesan, N. Kanniah and P. Ramasamy

22. Growth of single crystals of some I-III-VI$_2$ compound semiconductors

K. Balakrishnan, B. Vengatesan, N. Kanniah and P. Ramasamy
Symposium on Materials and Devices for Optoelectronics, Calcutta University, Calcutta, 3-4 September, 1990.

23. Study of mechanical properties of some indium chalcopyrite semiconductors

K. Balakrishnan, B. Vengatesan and P. Ramasamy

24. Microstructural and Microhardness studies of some zinc doped cadmium sulfide crystals

K. Balakrishnan, B. Vengatesan, J. Kumar, G. Attolini and P. Ramasamy
National Seminar on Crystal Growth from Melt and Gel Theories and Surface Morphology, M.S. University, Baroda, March 15-18, 1991 (Postponed)
25. Growth and characterization of I-III-VI$_2$ compound semiconductors

K. Balakrishnan, B. Vengatesan and P. Ramasamy
9th Colloquium for Young Physicists, Saha Institute of Nuclear Physics, Calcutta, August 21-22, 1991.

26. Growth and Characterization of AgGaS$_2$Se single crystals

K. Balakrishnan, B. Vengatesan and P. Ramasamy
VI International Workshop on Physics of Semiconductor Devices
New Delhi, December 2-6, 1991.

27. Study of electrical conductivity of some indium chalcopyrite semiconductors

K. Balakrishnan, B. Vengatesan and P. Ramasamy

28. Study of mechanical behaviour of some quaternary chalcopyrite compounds

K. Balakrishnan, B. Vengatesan and P. Ramasamy