

APPENDIX - I

LIST OF PAPERS

Papers presented at seminars/conferences/symposia:

1. XVI National Seminar on Crystallography held at Department of Physics, University of Delhi, New Delhi, "Microhardness anisotropy of calcite cleavages", by J.R. Pandya and D.R.Joshi, January (2-4), 1985.
2. XVII National Seminar on Crystallography held at I.I.T. Madras, "Structures of thermally treated and untreated calcite cleavages", by J.R. Pandya and D.R. Joshi, December (20-22) 1985.
3. XVIII National Seminar on Crystallography held at Department of Physics, University of Jammu, "Ionic conductivity and microhardness of alkali halides", by J.R. Pandya, D.R. Joshi, R.T. Shah, October (6-8) 1986.
4. XIX National Seminar on Crystallography held at Department of Physics, Gandhiji University, Changanacherry, Kerala, "Study of parameters affecting selective dissolution of natural calcite cleavages by d-Tartaric acid", by J.R. Pandya and D.R. Joshi, December (16-18) 1987.
5. "Quenched hardness anisotropy of synthetic sodium nitrate crystals", published at the Solid State Physics Symposium, organized by the Department of Atomic Energy held between Dec. 27 and 31, 1987, at the Bhabha Atomic Research Centre, Bombay.

Papers under preparation:

1. Application of Modified Kick's law to rhombohedral crystals: sodium nitrate and calcite.

(ii)

2. Quench hardness anisotropy of rhombohedral crystals: sodium nitrate and calcite.
3. Hardness anisotropy of rhombohedral crystals: sodium nitrate and calcite.
[I] Variation of Hardness with Orientation.
4. Hardness anisotropy of rhombohedral crystals: sodium nitrate and calcite.
[II] Variation of hardness with quenching temperature and orientation.
5. Hardness anisotropy and effective resolved shear stress of rhombohedral crystals.
6. Selective dissolution of calcite cleavages.
[I] Quantitative study of effect of viscosity of dislocation etchant.
7. Selective dissolution of calcite cleavages.
[II] Quantitative study of effect of cations and anions of dislocation etchants.