

## LIST OF PUBLICATIONS AND CONFERENCE PRESENTATIONS

1. “*Laser damage and optical absorption in Zinc (Tris) Thiourea Sulfate crystals*,” **S. S. Gupte**, Ranjit. D. Pradhan, Aristides Marcano O., C. F. Desai and Nouredine Melikechi, submitted to the 2001 Conference on Lasers and Electro-Optics to be held in Baltimore, USA.
2. “*Pump-probe thermal lens near-infrared spectroscopy and Z-scan study of Zinc (Tris) Thiourea Sulfate*,” **S. S. Gupte**, A. Marcano O., R. D. Pradhan, C. F. Desai and N. Melikechi, Submitted to Journal of Applied Physics (November 2000)
3. “*Pump-probe thermal lens near-infrared spectroscopy and Z-scan study of Zinc (Tris) Thiourea Sulfate*,” **S. S. Gupte**, A. Marcano O., R. D. Pradhan, C. F. Desai and N. Melikechi, presented at the October 2000 annual meeting of the Optical Society of America, Providence, Rhode Island, USA.
4. “*Second Harmonic Generation and Laser Damage Studies in Zinc (tris) Thiourea Sulfate Crystals*,” **S. S. Gupte**, C. F. Desai, and N. Melikechi Presented at the March 2000 Meeting of the American Physical Society, Minneapolis, Minnesota, USA
5. “*Effect of pH on Zinc (tris) Thiourea Sulfate*,” **S. S. Gupte**, C. F. Desai, G. Gwanmesia and N. Melikechi, Presented at the March 2000 Meeting of the American Physical Society, Minneapolis, Minnesota, USA
6. “*Vickers hardness and anisotropy and slip system in Zinc (Tris) Thiourea Sulfate Crystals*,” **S. S. Gupte** and C. F. Desai., Crystal Res. Technol. **34**, 1329 (1999)
7. “*Crystal growth and anisotropy in microhardness of Zinc (Tris) Thiourea Sulphate*,” C. F. Desai and **S. S. Gupte**, Surface Review and Letters **6**, 23 (1998)
8. “*Effect of temperature and loading time on the microhardness of Zinc (tris) Thiourea Sulfate crystal*,” **S. S. Gupte**, C. F. Desai and D. D. Vyas, Eighth National Seminar on Crystal Growth, Anna University Chennai, India (Proceedings to appear in J. Crys. Growth.) (1998)
9. “*Growth and Microhardness Characterization of ZTS: An NLO crystal*,” C. F. Desai and **S. S. Gupte**, International Conference on Optics and Optoelectronics, Dehradun, India (1998)

10. "*Study of ZTS crystal growth and characterization*," **S. S. Gupte**, C. F. Desai, S. N. Dhar and M. Joshi, Recent developments in crystal growth, ed. Prof. Dhanasekharan, Vol.2, Published by Crystal Research Center, Alagappa University, Karaikudi, India (1997)
11. "*Crystal Growth and Microhardness Studies of ZTS*," C. F. Desai and **S. S. Gupte**, XXVII National Seminar of Crystallography, Sep. 24-26 Mahatma Gandhi University, Kottaim, Kerala, India (1997)