



# SRINIVAS UNIVERSITY

Mangalore-575001, Karnataka (India)

## Srinivas Centre for Collaborative Research

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**Dr. P.S. Aithal**

### Research Coordinator

This centre aims at multi-disciplinary research drawing in experts from different areas in different disciplines from among the colleges under Srinivas group. For instances, we are working with Dept. of Chemistry, Srinivas Institute of Technology for research in Nonlinear Optical Materials and Dept. of Civil Engineering, Srinivas School of Engineering for research in Strategy for implementation of drinking water projects in D.K. District.

#### **Publication :**

[1] Shubhrajyotsna Aithal, Sreeramana Aithal and Gopala Krishna Bhat, Comparative Study on Azo dye-doped Polymer Films for Degenerate Four Wave Mixing Applications, International Conference on Mathematics and Applied Physics, 18-19, February, 2014, Singapore.

[2] Shubhrajyotsna Aithal, P. Sreeramana Aithal and Gopala Krishna Bhat. Study of Optical Limiting and Optical Phase Conjugation in DASPB dye-doped polymer films, Accepted for publication in GSTF Journal of Physics and Applications (JPA) - (Print ISSN: 2335-6901, E- periodical: 2335-691X) (JPA Vol. 1 No. 1), 2013.

[3] Shubhrajyotsna Aithal, P. S. Aithal, Gopalkrishna Bhat, Managing Innovations in Nonlinear Optical Materials for Photonics Technology, MANEGMA 2013- Proceedings of National Conference on Sustainable Growth in Developing Economies, Manegma 2013 held at Srinivas

Institute of Management Studies, Mangalore on 12/04/2013

[4] Shubrajyotsna Aithal, Sreeramana Aithal and Gopalkrishna Bhat, Phase Conjugation in Two Photon Absorbing Dye films by Degenerate Four-wave Mixing, 3<sup>rd</sup> International Conference on Photonics 2012, 1-3 October 2012, Penang, Malaysia. Published in IEEEExplore ISBN: 978-1-4673-1463-3, pp - 235-239 (2012).

[5] Shubrajyotsna Aithal, P. S. Aithal, and Gopalkrishna Bhat, Study of Degenerate Four-Wave Mixing in Disperse Orange Dye-doped Polymer Film, presented in International Conference on Recent Trends in Advanced Materials, ICRAM -2012, Feb 20 – 22, 2012, at VIT University, Vellore, Tamilnadu, and Published in Advanced Materials Research Journal, **ISSN: 1662-8985**, Trans Tech Publications (TTP), Switzerland, Vol. 584, pp 526-530,