

List of Publications

Journal Papers

- **Jaison Peter**, Mahesh Kumar, V. R. Anand, Rasool Saleem, Ananthu Sebastian, P. Radhakrishnan, V. P. N. Nampoori, C. P. G. Vallabhan, Radhakrishna Prabhu, and M. Kailasnath “Solvent effects on lasing characteristics for Rh B laser dye”, *Journal of Luminescence*, Volume 169, Part A, pp.227-232, January 2016.
- **Jaison Peter**, Radhakrishna Prabhu, P. Radhakrishnan, C. P. G. Vallabhan, V. P. N. Nampoori and M. Kailasnath “Angular dependent light emission from planar waveguides”. *J. Appl. Phys.* 117, 015301 (2015).
- **Jaison Peter**, C. P. G. Vallabhan, P. Radhakrishnan, V. P. N. Nampoori, & M. Kailasnath, “ASE and photostability measurements in dye doped step index, graded index and hollow polymer optical fiber”. *Optics & Laser Technology*, 63, 34-38 (2014).
- **Jaison Peter**, P. Radhakrishnan, V. P. N. Nampoori, & M. Kailasnath, “Multimode Laser Emission from Free-standing Cylindrical Microcavities”. *Journal of Luminescence* 05/2014; 149:204-207 (2014).
- **Jaison Peter**, Rasool Saleem, Ananthu Sebastian, , P. Radhakrishnan, V. P. N. Nampoori, C. P. G. Vallabhan & M. Kailasnath. “Pumping scheme dependent multimode laser emission from free-standing cylindrical microcavity”. *Optics Communications* 01/2014; 320:125–128 (2014).
- **Jaison Peter**, C. P. G. Vallabhan, V. P. N. Nampoori, P. Radhakrishnan, & M. Kailasnath. “Characteristics of Whispering Gallery Mode Laser Emission from Free-standing Cylindrical Microcavity”, *OPEN JOURNAL OF MODERN PHYSICS* ISSN (Print): 2372-627X ISSN (Online): 2372-6288 VOLUME 1, NUMBER 2, JUNE 2014.

- **Jaison Peter**, C. P. G. Vallabhan, P. Radhakrishnan, V. P. N. Nampoori, & M. Kailasnath, "Microring lasing from a dye-doped polymer-coated silica fiber". *Laser Physics*, 23(11), 115104(2013).
- C. L. Linslal, **Jaison Peter**, S. Mathews, and M. Kailasnath, "Multimode laser emission from dye-doped hollow polymer optical fibre", *Pramana Journal of Physics*, Vol 82, No. 2, p.p 233-236, February 2014.

Publications in Conference Proceedings

- **Jaison Peter**, Boni Samuel, V. R. Anand, Retheesh Raj, Adrine Antony Correya, T. K. Nideep, Bejoy Varghese, C. Bobby Mathews, P. Radhakrishnan, C. P. G. Vallabhan, V. P. N. Nampoori and M. Kailasnath, "Directional multimode laser emission from deformed polymer cylindrical microcavity", *Advances in Applied Mathematics, Materials Science and Nanotechnology for Engineering and Industrial Applications (IC-AMMN-2K16)*, 7-9 January 2016, Federal Institute of Science and Technology, Hormis Nagar, Angamaly-683 577, Kerala.
- **Jaison Peter**, Mahesh Kumar, V. R. Anand, Boni Samuel, Adrine Antony Correya and M. Kailasnath, "Photophysical studies and modeling of Rhodamine B as calculated by TDDFT/ PCM method" , *National Laser Symposium (NLS-24)*, RRCAT, Indore, 2-5 Dec, 2015 NLS-24.
- Rasool Saleem.U, Ananthu Sebastian, **Jaison Peter**, P Radhakrishnan, G Radhakrishna Prabhu, and M. Kailasnath. "Solvent Effects on Lasing Characteristics for Rh B Laser Dye". *International Conference on Fibre Optics and Photonics*. December 13-16, 2014.
- **Jaison Peter**, Radhakrishna Prabhu, P. Radhakrishnan, C. P. G. Vallabhan and M. Kailasnath. "Characteristics of the cutoff and guided modes in planar waveguides". *Photon 14*, 1-4 Sept. Imperial College London, U.K, 2014.
- K. C. SreechandraIjith, **Jaison Peter**, Aparna Thankappan, V. P. N. Nampoori and P. Radhakrishnan, "Random lasing and coherent back scattering study

in rhodamine 6G doped polymer optical fiber (POF) particles” AIP Conf. Proc. 1620, 521 (2014).

- C. S. Sarika, **Jaison Peter**, C. L. Linslal & M. Kailasnath “Fabrication and Characterisation of Rhodamine B Doped Polymer Optical Fiber with Multiple Holes”, NLS 21; 02/2013.
- C. L. Linslal, **Jaison Peter**, S. Mathew & M. Kailasnath, “Multimode laser emission from dye doped hollow polymer optical fiber”, NLS 21; 02/2013.
- **Jaison Peter**, C. L. Linslal & M. Kailasnath, “Pumping angle dependence of multimode lasing from doped hollow optical fiber”. NLS 21; 02/2013.
- Suneetha Sebastian, S. Sooraj, A. Aaryan, **Jaison Peter**, V. P. N. Namboori, C. P. G.Vallaban, & M. Kailasnath, Impact of laser ablated gold nanoparticles on absorption and fluorescence of Rhodamine 6G in Methyl Methacrylate. In Optical Engineering (ICOE), International Conference on IEEE, pp. 1-5, (July, 2012).
- **Jaison Peter**, C. L. Linslal & M. Kailasnath, “Characterization of Dye Doped Step Index and Graded Index Polymer Optical Fiber by Side Illumination Fluorescence Technique”. 27th annual convention of IAPT and seminar on Recent Trends in Photonics. IAPT 11/2012.