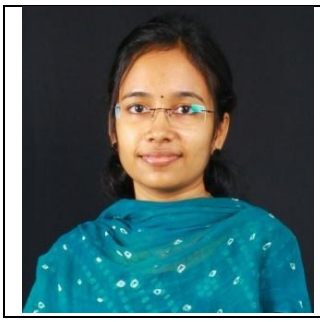

Name	**Dr. Indu Sebastian**
Designation	**Assistant Professor**
Qualification	**M.Sc, PhD, Qualified NET**
Area of Specialisation	**Photonics**

Educational Qualification

- **Ph.D- Cochin University of Science and Technology (2016)**
- **M.Sc - Cochin University of Science and Technology (2009)**

Publications

Journal - 9

1. Indu Sebastian, S. Divya, V. P. N. Nampoori, P. Radhakrishnan and Sheenu Thomas, “Impact of intermediate localized states on nonlinear optical absorption of Ga-Ge-Se nanocolloidal solutions", Appl. Phys. Lett. 102, 031115 (2013).
2. Indu Sebastian, S. Mathew, V. P. N. Nampoori, P. Radhakrishnan and Sheenu Thomas, “Concentration tuned bandgap and corresponding nonlinear refractive index dispersion in GaGe-Se nanocolloids", J. Appl. Phys. 114, 053102 (2013).
3. Indu Sebastian, V. P. N. Nampoori, P. Radhakrishnan and Sheenu Thomas, “Experimental verification of localized defect states in Ga-Ge-Se nanocolloidal solutions", J. Mater Sci. 49, 3732 - 3735 (2014).
4. Indu Sebastian, S. Divya, V. P. N. Nampoori, P Radhakrishnan and Sheenu Thomas, “Investigation of nonlinear optical properties of Ga-Ge-Se Nanocolloidal solutions", International Conference on Optical Engineering (ICOE 2012), Belgaum, Karnataka, India.
5. S. Divya , Indu Sebastian, V. P. N. Nampoori, P. Radhakrishnan and A. Mujeeb, “Power And Composition Dependent Nonlinear Optical Switching of TiO2- SiO2 Nano composites", International Conference on Optical Engineering (ICOE 2012), Belgaum, Karnataka, India.

Seminar Presentations

International -12

1. Indu Sebastian, S. Divya, V. P. N. Nampoori, P Radhakrishnan, and Sheenu Thomas, “Nonlinear optical characterization of Ge-Ga-Se glass solution", Poster Presented in Frontiers in Optics and Photonics (FOP 2011), IIT Delhi.

2. Indu Sebastian, S. Divya, V. P. N. Nampoori, P Radhakrishnan, and Sheenu Thomas. “Optical characterization of solution based chalcogenide glass films", Poster presented in First International OSA Network of Students Conference (IONS-2011), Delhi.

3. Indu Sebastian, S. Divya, V. P. N. Nampoori, P Radhakrishnan, and Sheenu Thomas. “Measurement of nonlinear refraction in nanocolloidal solutions of chalcogenide glass" Poster presented in National Symposium on Recent Advances in Nanoscience, Engineering & Technology (RANET 2011), National Institute of Technology, Hamirpur.

4. Indu Sebastian, V. P. N. Nampoori, P Radhakrishnan, and Sheenu Thomas, “Deffect states assisted photoluminescence in Ga-Ge-Se nanocolloidal solutions", Indian Association of Physics Teachers (IAPT) meeting-2012, CUSAT, Cochin.

5. Indu Sebastian, V. P. N. Nampoori, P Radhakrishnan, and Sheenu Thomas, “Deffect State Annealing and Corresponding Variation in Optical Properties of Chalcogenide Glass Nanoclusters", 7th International Conference on Materials for Advanced Technologies (ICMAT 2013), Suntec, Singapore.

Awards and Honours

Basic Science Research (BSR) fellowship for meritorious students, Apr. 2012- Dec. 2015 sponsored by University Grand Commission (UGC).

Professional Membership

1. Photonic Society of India (PSI) member.