

### **Refereed International Journals:**

1. **Jyoti Anand**, Jagneet Kaur Anand and Enakshi K. Sharma, “Study of Amplification Characteristics of Coaxial EDF with Varying Coupling Conditions”, *Optics and Laser Technology* (UK), **44**, 688-695 (2012).
2. **Jyoti Anand**, Jagneet Kaur Anand and Enakshi K. Sharma, “Inherent Gain Flattening due to Two Mode Interference in Erbium Doped Coaxial Fibers”, *Optical Fiber Technology* (UK), **19**, 298-303 (2013).
3. **Jyoti Anand**, Jagneet Kaur Anand and Enakshi K. Sharma, “Coupled Mode Analysis for Simplified Gain Calculations in Erbium Doped Coaxial Fibers”, *Journal of Optical Society of America B* (USA), **30**, 1496-1502 (2013).
4. Nikhil Dhingra, **Jyoti Anand**, Geetika Jain Saxena, Enakshi Khular Sharma, “Design of the coaxial optical fiber for pulse repetition rate multiplication by Talbot effect”, *Optical Fiber Technology* (UK), **46**, 248-257 (2018).

### **International Conferences:**

1. **Jyoti Anand**, Jagneet Kaur Anand and Enakshi K. Sharma ‘Study of the Amplification Characteristics of a Coaxial EDF with Varying Coupling Conditions’, International Conference PHOTON 10, Southampton, UK, 23-26th August 2010.
2. **Jyoti Anand**, Jagneet Kaur Anand and Enakshi K. Sharma ‘Effect of the Input and Output Coupling on the Performance of an Erbium Doped Coaxial Dual Core Fiber’, International Conference on “Fiber Optics and Photonics” (PHOTONICS 2010), IIT Guwahati, India, 11-15th December 2010.
3. **Jyoti Anand**, Jagneet Kaur Anand and Enakshi K. Sharma “Gain Flattening in Erbium Doped Fiber Amplifiers by use of a Coaxial Fiber”, Progress in Electromagnetics Research Symposium (PIERS 2012), Kuala Lumpur, Malaysia, 27-30th March 2012.
4. **Jyoti Anand**, Jagneet Kaur Anand and Enakshi K. Sharma “Tailoring Coaxial Fiber Parameters for Gain Flattening in Erbium Doped Fiber Amplifiers”, Frontiers in Optics 2012/Laser Science XXVIII, Rochester, New York, USA, 14-18th October 2012.

5. Enakshi K. Sharma, **Jyoti Anand** and Jagneet Kaur Anand ‘Pulse Splitting in Coaxial Fibers due to Two Mode Interference’, International Conference on Fiber Optics and Photonics (PHOTONICS 2012), IIT Madras, Chennai, 9-12th December 2012.
6. Enakshi K. Sharma and **Jyoti Anand** “Propagation of a Periodic Sequence of Gaussian Pulses in a Coaxial Optical Fiber: Occurrence of “Talbot Effect” in the Time Domain”, OWTNM 2013 - XXI International Workshop on Optical Wave & Waveguide Theory and Numerical Modelling, University of Twente, Enschede, The Netherlands, 19-20th April 2013.
7. Enakshi K. Sharma and **Jyoti Anand**, “Temporal Self-Imaging for Periodic Pulses in Optical Waveguides” International Conference on Fiber Optics and Photonics (PHOTONICS 2014), IIT Kharagpur, 13-16<sup>th</sup> December 2014.
8. Nikhil Dhingra, Geetika Jain Saxena, **Jyoti Anand**, Enakshi Khular Sharma, “Pulse repetition rate multiplication by Talbot effect in a coaxial fiber”, Proceedings of the SPIE, Volume 10526, id. 105262L 1 pp (2018).

#### **National Conferences:**

1. **Jyoti Anand**, Jagneet Kaur Anand and Enakshi K. Sharma ‘Study of Gain and Dispersion Characteristics of an Erbium Doped Coaxial dual Core Fiber’, International Conference on “Contemporary Trends in optics and optoelectronics”, Indian Institute of Space Science and Technology (IIST), Thiruvananthapuram, India, 17-19th January 2011.
2. **Jyoti Anand**, Jagneet Kaur Anand and Enakshi K. Sharma, ‘Single mode-Coaxial-Single mode’ Fiber module as a Band Reject Filter for Gain Flattening in Erbium Doped Fibers, Frontiers in Optics and Photonics 2011 (FOP11), IIT Delhi, Delhi, 3-5th December 2011.
3. Enakshi K. Sharma, Sangeeta Srivastava and **Jyoti Anand**, ‘Coupled Mode Configurations in Optical Fibers for use as Band Reject Filters, Frontiers in Optics and Photonics 2011 (FOP11), IIT Delhi, Delhi, 3-5th December 2011.
4. Enakshi K. Sharma, **Jyoti Anand** and Jagneet Kaur Anand “Propagation of a Gaussian Pulse in a Coaxial Optical Fiber”, XXXVII National Symposium of Optical Society of India, Department of Physics, Pondicherry University, Pondicherry, 23-25th January 2013.