

## Dr. ASHISH KUMAR MISHRA

Assistant Professor

### Educational Qualifications:

Ph. D. (2013) – Indian Institute of Technology (BHU), Varanasi  
CSIR-NET (2011) – Physical Sciences



### Contact Information:

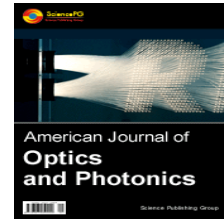
Telephone: +91-9450708992 (Mob.)

E-mail: [ashish.mishra@itgopeshwar.ac.in](mailto:ashish.mishra@itgopeshwar.ac.in)  
[ashishmishrabhu@gmail.com](mailto:ashishmishrabhu@gmail.com)

### Research Interests:

Optical Fiber Communication, Plasmonics & Photonics

**Editorial Member:** American Journal of Optics & Photonics



### Conference/Workshop/Seminar Attended:

1. Participated and presented a paper in an “International Conference on Light Quanta: Modern Perspectives & Applications” (**ICLQMPA-2015**) organized by Department of Physics, University of Allahabad, Allahabad., India.
2. Participated and presented a paper in an “International Conference on Physics and Technology for Sustainable Development” (**CONIAPS-2014**) jointly organized by International Academy of Physical Sciences (IAPS) and Department of Physics, IIITDM Jabalpur, India.
3. Attended a “QIP/CEP Topical Conference on Laser Driven Charged Particle Acceleration and Applications” (**TCCPA-2013**) organized by Department of Physics, I.I.T. Delhi, India.
4. Participated and presented a paper in an “International Conference on Laser, Materials Science, & Communication” (**ICLMSC-2011**) organized by Department of Physics, University of Burdwan, Burdwan, W.B., India.
5. Attended a “National Conference on Thermo Physical Properties” (**NCTP-2011**) organized by Department of Applied Physics, I.T.-BHU, Varanasi, India.

6. Attended a national seminar on “Recent Trends in Condensed Matter Physics” (RTCMP-2011) organized by Department of Applied Physics, I.T.-BHU, Varanasi, India.
7. Attended a national workshop on “Advanced Optoelectronic Materials & Devices” (AOMD-2007) organized by Department of Electronics Engineering, I.T.-BHU, Varanasi, India.

### **List of Published Papers:**

1. “Investigations of light gathering capacity and modal dispersion characteristics of plasma cladded optical fiber” **A.K. Mishra**, M Kumar & O.N. Singh II, **ICLQMPA -2015**, held at University of Allahabad, **2015**.
2. “Simplified study of guided modes in plasma cladded step-index optical fiber”, **A.K. Mishra** & O.N. Singh II, **Optics Communication**, 345, 120-124, **2015**.
3. “Effect of plasma cladding on the modal dispersion characteristics of optical fiber”, **A.K. Mishra**, U N Singh, P C Pandey & O.N. Singh II, **CONIAPS**, held at IITDM Jabalpur **2014**.
4. “Comparative study of dispersion characteristics of uniaxial crystalline optical fiber under the extreme cases of helix pitch angles” **A.K. Mishra**, M. Kumar, D. Kumar, & O.N. Singh II, **Journal of Modern Optics**, 60, 1240-1246, **2013**.
5. “Modal study of plasma cladded cylindrical optical fiber” **A.K. Mishra**, M. Kumar, D. Kumar, & O.N. Singh II, **JEMWA**, 27, 868-876, **2013**.
6. “An analytical study of the modal dispersion characteristics of helically clad crystal-cored optical fiber” **A.K. Mishra**, P.C. Pandey, D. Kumar & O.N. Singh II, **OPTIK-IJLEO**, 124, 2661-2666, **2012**.
7. “Effect of helix pitch angle on the modal dispersion characteristics of step-index optical fiber” **A.K. Mishra**, D. Kumar & O.N. Singh II, **JEMAA**, 04, 275- 278, **2012**.
8. “Dispersion characteristics of helically clad crystal-cored optical fiber”, **A.K. Mishra**, D. Kumar, & O.N. Singh II, **ICLMSC**, held at University of Burdwan, W.B. **2011**.

.....