PUBLICATIONS DETAILS:

- **Conference Papers:**

1. '**International Conference on Emerging Trends in Informatics & Communication (ICETIC)**' , "***Formulation of ABCD matrix for reflection and refraction of Gaussian light beam on the hemispherical microlens drawn on the tip of a fiber***" sponsored by IEEE, ISRO & IETE at Brainware Group of Institution held on 20/02/2016-21/02/2016.
   It is also published on '**International Journal of Computer Application (0975-8887)'** on 08/09/2016.
2. '**3 rd International Conference on Communication, Devices and Computing (ICCDC-2021)**' organized by Haldia Institute of Technology, Haldia, West Bengal, India and supported by Springer Publication **, "*A simple but accurate method for prediction of reflected intensity noise for single-mode circular core triangular index fiber excitation via upside down tapered hemispherical microlens on the tip of fiber*"** held on 16/08/2021-18/08/2021.

- **International Journal Papers:**

1. **Shubhendu Maiti**, Anup Kumar Maiti, Sankar Gangopadhyay, ***"Laser diode to single-mode triangular-index fiber excitation via upside down hemispherical microlens on the fiber tip: Prescription of ABCD matrix of transmission and estimation of coupling efficiency"***, Optik - International Journal for Light and Electron Optics, 144, 481-489, 2017.
2. Subhalaxmi Chakraborty, **Shubhendu Maiti**, Chintan Kumar Mandal, Sankar Gangopadhyay, ***"A novel and accurate method for analysis of single-mode dispersion-shifted and dispersion-flattened fiber directional coupler"***, Optik - International Journal for Light and Electron Optics, 157, 808-816, 2018.
3. Himadri Mandal, **Shubhendu Maiti**, Tien-Lung Chiu, Sankar Gangopadhyay, ***"Mismatch considerations in laser diode to single-mode circular core triangular index fiber excitation via upside down tapered hemispherical microlens on the fiber tip"***, Optik - International Journal for Light and Electron Optics, 168, 533–540, 2018.
4. **Shubhendu Maiti,** Salil Kumar Biswas, Sankar Gangopadhyay, ***"Study of coupling optics involving graded index fiber excitation via upside down tapered parabolic microlens on the fiber tip"***, Optik - International Journal for Light and Electron Optics 199, 163318 , 2019.
5. **Shubhendu Maiti,** Angshuman Majumdar, Salil Kumar Biswas, Sankar Gangopadhyay, ***"Evaluation of splice loss of single-mode graded index fiber in presence of Kerr nonlinearity"***, Optik - International Journal for Light and Electron Optics, 203, 163962, 2020.
6. Tilak Mukherjee, **Shubhendu Maiti**, Angshuman Majumdar, Sankar Gangopadhyay, ***"A simple but accurate formalism for study of single-mode graded index fiber directional coupler in presence of Kerr nonlinearity"***, Optik - International Journal for Light and Electron Optics, 213, 164772, 2020.
7. Biplab Kumar Ray, Angshuman Majumdar, **Shubhendu Maiti**, Sankar Gangopadhyay, ***"A simple but accurate technique for study of single-mode Kerr type nonlinear dispersion-shifted and dispersion-flattened fibers"***, Optik - International Journal for Light and Electron Optics, 219 165231, 2020.
8. Kushal Roy, Angshuman Majumdar, **Shubhendu Maiti,** Sankar Gangopadhyay, ***"Laser diode to single-mode graded index fiber coupling via cylindrical microlens on the fiber tip: evaluation of coupling efficiency by ABCD matrix***

formalism", Journal of Optical Communication 12/09/2020, https://doi.org/10.1515/joc-2020-0234.