

## OPTIQ-2023

| SI No | Code   | Name             | Name of Paper  | Institute   |
|-------|--------|------------------|--|---|
| 1     | BPM435 | Pramila Thapa    | Label-free Multi-modal Optical Techniques for Early-stage Oral Cancer Screening  | Indian Institute of Technology Delhi                |
| 2     | FIB242 | Shruthi De       | In-situ monitoring of nitric oxide in vehicle exhaust using a robust 1f wavelength modulation spectroscopy technique     | Indian Institute of Technology Gandhinagar          |
| 3     | FIB235 | Rituparna Jana   | An FBG-based throat microphone - influence of the placement of the FBG on the intelligibility of recorded speech         | Indian Institute of Technology Gandhinagar          |
| 4     | LSB289 | Ankita chowdhury | Tailoring spatial coherence by layered interface   | Indian Institute of Technology (BHU), Varanasi      |
| 5     | ISR283 | Anuj Saxena      | Waveguide-assisted TIRF mode of illumination for various cellular Imaging  | Indian Institute of Technology Delhi                |
| 6     | FIB238 | Satyajit Murmu   | Fano line-shaped transmission and photon coupling emission in hybrid optical nanowire structure                          | Indian Institute of Technology Bhubaneswar          |
| 7     | HOL267 | Sourav Chandra   | Measurement of Coherence-Polarization Matrix One-Shot Approach   | Indian Institute of Technology (BHU), Varanasi      |
| 8     | FIB243 | Subrat Sahu      | Slotted Photonic Crystal Optical Nanofiber for Cavity QED  | Indian Institute of Technology Bhubaneswar          |
| 9     | IFM125 | Minni J Kappen   | Coherent Population Trapping in Rb vapour cells filled with Ar+N <sub>2</sub> buffer gas for Application in atomic clock | URSC/ISRO   |
| 10    | OED136 | KRISHNANUNNI R A | Single Wavelength Optical beam steering using carrier injected Tunable Grating Antennas                                  | Indian Institute of Space Science & Technology, TVM |