

LIST OF PUBLICATIONS

Journal Papers

1. **Bipin K. Singh**, Mayank K. Chaudari, Praveen C. Pandey, “*Photonic and omnidirectional band gap engineering in one-dimensional photonic crystals consisting of linearly graded index material*”, **Journal of Lightwave Technology (IEEE)** **34**, 2431 – 2438 (2016).
2. **Bipin K. Singh**, Praveen C. Pandey, “*Effect of temperature on terahertz photonic and omnidirectional band gaps in one-dimensional quasi-periodic photonic crystals composed of semiconductor InSb*”, **Applied Optics (OSA)** **55**, 5684 – 5692 (2016).
3. **Bipin K. Singh**, Ashutosh K Dikshit, Khem B Thapa, Praveen C. Pandey, “*Photonic and Omnidirectional band gap engineering in stack of exponential graded index material and negative index materials*”, **Journal of Modern Optics** **26**, 826 – 834 (2016).
4. **Bipin K. Singh**, Subhashish Tiwari, Mayank K. Chaudari, Praveen C. Pandey, “*Tunable photonic defect modes in one-dimensional photonic crystals containing exponentially and linearly graded index defect*”, **Optik** **127**, 6452 – 6462 (2016).
5. **Bipin K. Singh**, Pawan Kumar, Praveen C. Pandey, “*Tunable Photonic Band-gaps in One-dimensional Photonic Crystals containing Linear Graded Index Material*”, **Applied Physics B: Lasers and Optics** **117**, 947 – 956 (2014).
6. **Bipin K. Singh**, Praveen C. Pandey, “*Influence of graded index materials on the photonic localization in One-dimensional Quasiperiodic (Thue-Mosre and Double-Periodic) photonic crystals*”, **Optics Communications** **333**, 84 – 91 (2014).
7. **Bipin K. Singh**, Praveen C. Pandey, “*A study of optical reflectance and localization modes of 1-D Fibonacci photonic quasicrystals using different graded dielectric materials*”, **Journal of Modern Optics** **61**, 887 – 897 (2014).

List of Publications

8. **Bipin K. Singh**, Khem B Thapa, Praveen C. Pandey, “*Optical reflectance and omnidirectional bandgaps in Fibonacci quasicrystals type 1-D multilayer structures containing exponentially graded material*”, **Optics Communications** **297**, 65 – 73 (2013).

Book Chapter

1. **Bipin K. Singh**, Praveen C. Pandey, “*Effect of Exponentially Graded Material on Photonic and Omni-Directional Band Gaps in 1-D Photonic Crystals*”, **Book Chapter 8, Springer Proceedings in Physics 181**, 119 – 144 (2016). DOI: 10.1007/978-3-319-30137-2_8.

Conference Proceeding Papers

1. **Bipin K. Singh**, Praveen C. Pandey, “*Tunable mirror and multi-channel filter based on one-dimensional exponentially graded photonic crystals*”, **Photoptics (2015) 22 – 33**. DOI: 10.5220/0005333600220033.
2. **Bipin K. Singh**, Pawan Kumar, Praveen C. Pandey, “*The focusing of light through 2-D graded photonic crystals*”, **Photonics (OSA) 1 – 3 (2014)**. DOI: 10.1364/PHOTONICS.2014.S5A.72.

★★★★★★