
AUTHOR'S RELEVANT PUBLICATIONS

Journals:

1. **Rajan Agrahari**, Akhlesh Lakhtakia, and Pradip Kumar Jain, "Information Transfer by Near-Infrared Surface-Plasma-Polariton Waves on Silver/Silicon Interfaces," *Scientific Reports*, vol. 9, no. 1, art. no. 12095, 2019.
2. **Rajan Agrahari**, Akhlesh Lakhtakia, and Pradip Kumar Jain, "Towards Information Transfer around a Concave Corner by a Surface-Plasmon-Polariton Wave," *IEEE Photonics Journal*, vol. 11, no. 1, art no. 6100112, 2019.
3. **Rajan Agrahari**, Akhlesh Lakhtakia, and Pradip Kumar Jain, "Information Carried by a Surface-Plasmon-Polariton Wave across a Gap," *Journal of Applied Physics*, vol. 124, no. 5, art. no. 053104, 2018.

Conferences/Workshops/ Symposia

1. **Rajan Agrahari**, Akhlesh Lakhtakia, and Pradip Kumar Jain, "Transfer of Information using Surface-Plasmon-Polariton Waves," *Proceedings of SPIE 10924: Optical Interconnects XIX*, 2-7 February 2019, San Francisco, California, USA, Paper No. 109240R.
2. **Rajan Agrahari**, Akhlesh Lakhtakia, and Pradip Kumar Jain, "Scattering of Surface-Plasmon-Polariton Wave by an Abrupt Discontinuity," *IEEE International Symposium on Antenna and Propagation and USNC-URSI Radio Science Meeting*, 8-13 July 2018, Boston, Massachusetts, USA.
3. **Rajan Agrahari**, Rajiv Prakash, and Pradip Kumar Jain, "Guiding of EM waves in a PBG Waveguide for Microwave Application," *National Conference on Emerging Trends in Vacuum Electronic Devices and Application*, 16-18 March 2017, Gandhinagar, Gujarat, India.
4. **Rajan Agrahari**, Rajiv Prakash, and Pradip Kumar Jain, "Review on Electromagnetic (Photonic) Band Gap Metamaterial for the Electronic Devices Application," *National Conference on Emerging Trends in Vacuum Electronic Devices and Application*, 3-5 December 2015, Bengaluru, Karnataka, India.