Special Issue

Recent Advances in Surface-Wave-Assisted Photonic-Crystal-Based Devices

Message from the Guest Editors

In recent decades, surface-wave-based devices have attracted the attention of researchers worldwide due to their unique characteristics and applications in the field of medical diagnostics, engineering optics and environmental monitoring. Thus, with this technique, we can focus on the generation, manipulation and confinement of lights along with novel surface-wave-based applications such as microscopic imaging, fluorescence spectroscopy, wave guiding, filters and sensors. This Special Issue aims to provide a platform to exchange recent breakthroughs and future perspectives related to surface-wave-assisted PhC-based devices. All types of research and review papers presenting novel research ideas based on either theoretical or experimental insights are welcomed. The topics of interest include but are not limit to:

- The design and fabrication of PhCs;
- Bloch-surface-wave-assisted PhCs;
- Quasi-periodic photonic devices;
- Tamm-Mode-assisted PhC devices;
- Dielectric surface wave resonator;
- Surface wave guiding;
- Surface mode localization effect;
- Bio/chemical-sensing and bio-imaging;
- Filters.

Guest Editors

Dr. Amit kumar Goyal
Innovative Technologies Laboratories, King Abdullah University of Science and Technology, Thuwal, Saudi Arabia
Dr. Pukhrambam Puspa Devi
National Institute of Technology Silchar, Silchar 788010, Assam, India

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Photonics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
photonics@mdpi.com

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Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Photonics* (ISSN 2304-6732). *Photonics* is an online open access journal covering both the fundamental and applications of optics and photonics. *Photonics* strives to provide an avenue to allow authors to disseminate their scientific findings—both theoretical/ simulations and experimental works—in highly accessible peer-reviewed journal publications. The manuscript in *Photonics* will be handled with quick turnaround production processing time. We welcome authors to submit their manuscripts for publications in *Photonics*. Our goal in *Photonics* is to enable fast dissemination of high impact works to the scientific community.

Editor-in-Chief

Prof. Dr. Nelson Tansu
School of Electrical and Electronic Engineering (EEE), The University of Adelaide, Adelaide, SA 5005, Australia

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