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

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Deadline for manuscript submissions:
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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.

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Special Issue

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Message from the Editor-in-Chief

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