

## Special Issue

# Diffractive, Metasurface and Membrane Optics for Sensing and Imaging

### Message from the Guest Editor

Metasurface/diffractive optics have made significant advances and are presently able to replace traditional optics in many applications. New manufacturing and design approaches have enabled more precise feature creation, resulting in greater optical performance and control. Moreover, many of these approaches result in optics that are very thin and lightweight, offering significant benefits over traditional optics (lenses/mirrors) when mass is a major consideration, like in remote sensing. In addition, when these micro/nano-features can be realized in a membrane-based optic, they can be stowed in a very small volume for travel and deployed once the final destination is reached. We are therefore interested in articles on metasurface/diffractive optics and membrane optics, as well as their novel applications. Potential topics include, but are not limited to, the following:

- Design, manufacturing, and characterization of metasurface/diffractive optics;
- Design, manufacturing, and characterization of membrane or thin-film optics;
- Unique wavefronts and their applications;
- Novel optics for remote sensing, including Earth and planetary sciences and astrophysics.

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### Guest Editor

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### Deadline for manuscript submissions

closed (20 April 2026)



## Applied Sciences

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### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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### Editor-in-Chief

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