

## Special Issue

# Optical Wireless Communication for Underwater-to-Ground-to- Space Connectivity

### Message from the Guest Editors

This Special Issue invites manuscripts that focus on recent advancements in the area of “Optical Wireless Communication for underwater-to-ground-to-space Connectivity”. Researchers, academicians, and practitioners can take advantage of this opportunity to present their recent research

work/challenges/solutions/concerns in the area of optical wireless communication for underwater/ground/space links. All theoretical, numerical, and experimental papers are accepted. Topics include, but are not limited to, the following:

- State-of-the-art for wireless optical systems: underwater, space-based, terrestrial, air-borne, air-water interface systems, etc.
- Channel propagation effects and combating technologies.
- Modulation and error correcting codes.
- Security issues in optical wireless communication.
- Pointing, acquisition, and tracking issues.
- Channel modeling and analysis.
- Opto-electronics/all optical interconnections.
- Adaptive optics techniques.
- System design optimization techniques at the physical or medium access layer.
- Integrating machine learning/deep learning with OWC.
- Routing algorithms for underwater sensors or unmanned aerial vehicles.

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### Guest Editors

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### Deadline for manuscript submissions

closed (10 August 2023)



## Photonics

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## About the Journal

### 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.

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### Editor-in-Chief

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#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the second half of 2025).