

## Special Issue

# Underwater Wireless Optical Communication, Sensor and Network

### Message from the Guest Editors

More than 70% of the Earth's surface is covered with water (almost all of which is the ocean). Underwater wireless optical communication (UWOC) is of great significance for the development of ocean resources and ocean environmental protection, due to its advantages of having a large capacity and low latency. There is a growing interest in the research and development of UWOC, underwater sensors and UWOC networks. This Special Issue tries to collect the recent advances in UWOC, underwater sensors and UWOC networks. Because of the highly dynamic changes in UWOC links, there are urgent requirements for the development of transmitters, receivers, acquisition-tracking-pointing and digital signal processing for UWOC. Additionally, new technologies for oceanic turbulence mitigation, underwater ranging and communication security are also needed. Protocols and architectures for UWOC networks have been actively developed in recent years.

### Guest Editors

Prof. Dr. Caiming Sun

Dr. Wei Wang

Dr. Chi Lin

### Deadline for manuscript submissions

closed (25 May 2023)



## Photonics

an Open Access Journal  
by MDPI

Impact Factor 1.9  
CiteScore 3.5



[mdpi.com/si/147759](https://mdpi.com/si/147759)

*Photonics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[photonics@mdpi.com](mailto:photonics@mdpi.com)

[mdpi.com/journal/  
photonics](https://mdpi.com/journal/photonics)





# Photonics

---

an Open Access Journal  
by MDPI

---

Impact Factor 1.9  
CiteScore 3.5



[mdpi.com/journal/  
photonics](https://mdpi.com/journal/photonics)



## 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.

---

### Editor-in-Chief

Prof. Dr. Nelson Tansu

School of Electrical and Electronic Engineering (EEE), The University of Adelaide, Adelaide, SA 5005, Australia

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Inspec, Ei Compendex, CAPlus / SciFinder, and other databases.

#### Journal Rank:

CiteScore - Q2 (Instrumentation)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.8 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).