

## Special Issue

# Biophotonics in Medical, Diagnosis, Health Monitoring, and Environmental Applications

### Message from the Guest Editors

Biophotonics is an interdisciplinary field that merges the principles and technologies of photonics with biological systems. This field is driving significant advancements in medical diagnostics, health monitoring, and environmental applications by providing precise and highly sensitive techniques. This Special Issue aims to highlight the latest research and developments of biophotonics in medical, diagnosis, health monitoring, and environmental applications. We invite contributions from researchers in the field, including original research articles and review papers. Topics of interest include, but are not limited to, the following: immunophotonics; neurophotonics; optogenetics; photonics in cardiology; ophthalmic technologies; optical methods for tumor treatment and detection; photonics in surgery; photonic diagnosis and monitoring of diseases; optical fibers and sensors for medical diagnostics and treatment; sports biophotonics and telemetric body function monitoring; LIDAR and spectroscopy; space and extraterrestrial environmental sensing and satellite imaging; photonic for industrial process control and optimization

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### Guest Editors

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### Deadline for manuscript submissions

20 March 2025



## Photonics

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## About the Journal

### Message from the Editor-in-Chief

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#### Editor-in-Chief

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