

Special Issue

Bragg Gratings for Optical Signal Processing

Message from the Guest Editors

Bragg gratings (BGs) have continued to contribute to the development of new, energy-efficient, high-capacity, fully transparent all-optical networks for telecom and datacom applications. BGs are currently a key component for optical signal processing and are being widely used to increasing the transmission channel capacity, for secure quantum information processing, and for enhancing the performance of microwave photonics. In this Special Issue, we invite submissions exploring the latest developments, applications, and new trends on Bragg gratings technology. Contributions can focus on, but not be limited to, grating design methodology, device fabrication and technology, grating synthesis tools, devices for ultrafast optical signal processing, devices for microwave photonics, Bragg gratings for photonics integrated circuits, reconfigurable Bragg gratings, programable Bragg gratings, and Bragg gratings applications, in general. Survey papers and reviews are also welcomed.

Guest Editors

Dr. Alejandro Carballar

Electronical Engineering, Sevilla University, Sevilla, Spain

Dr. María R. Fernández Ruiz

Electronics, University of Alcalá, Alcalá de Henares, Spain

Deadline for manuscript submissions

closed (31 December 2021)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/46155

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
applsci@mdpi.com

mdpi.com/journal/

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





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



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



About the Journal

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.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

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

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)