

## Special Issue

# Photonic Integration: Recent Advances and Applications

### Message from the Guest Editors

Relevant submissions presenting exciting results (experimental or theoretical) either as short letters or full-length papers are welcome, as well as thorough reviews of important results already published. The idea of manipulating photons on a chip-scale device was proposed more than 50 years ago, however recent advances such as ultra-low loss waveguides, heterogeneous integration, on-chip frequency combs and novel modulators has brought photonic integrated circuits closer to widespread commercial deployment. The field of photonic integration is rapidly evolving due to the development of new on-chip functionalities for a wide range of applications, newly emerging material platforms for active and passive devices, and new concepts for photon manipulation for example through the plasmonic effect or the Brillouin scattering effect. [SI Best paper award](#) (300 CHF, a certificate and a free publication opportunity for next submission to Applied Sciences) will be selected from this special issue by an evaluation panel consisting of the editors and leading-experts in the field.

---

### Guest Editors

Dr. Amol Choudhary

Dr. David Marpaung

Dr. Maurizio Burla

---

### Deadline for manuscript submissions

closed (31 October 2018)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/11152](https://mdpi.com/si/11152)

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

[mdpi.com/journal/](https://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, Embase, CAPIus / SciFinder, and other databases.

#### Journal Rank:

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