

## Special Issue

# Researches on Photonics and Plasmonics

### Message from the Guest Editor

In light-matter interactions at the nanoscale, every photon is precious. To understand these interactions will be a critical step in designing and engineering advanced photonic and plasmonic materials and molecules that can efficiently harness photons for a plethora of applications, including chemical sensing and biosensing, energy harvesting and storage, telecommunications, catalysis and synthesis of chemicals, medical imaging and therapy, photonics and optoelectronics, and environmental remediation. Recent decades have witnessed an extensive research activity into the precise engineering of plasmonic and photonic materials and molecules, from fundamental studies to applied science. This Special Issue is dedicated to recent research advances in photonic and plasmonic materials and molecules. The broad and interdisciplinary applicability of these materials will be of profound and immediate interest for a broad audience, ranging from physicists, chemists, engineers, and material scientists.

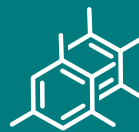
### Guest Editor

Dr. Abel Santos

School of Chemical Engineering, Institute for Photonics and Advanced Sensing (IPAS), ARC Centre of Excellence for Nanoscale BioPhotonics (CNBP), The University of Adelaide, Engineering North Building, Adelaide 5005, Australia

### Deadline for manuscript submissions

closed (20 May 2022)



## Molecules

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

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## About the Journal

### Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 29th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts, and novel materials. Pushing the boundaries of the discipline, we invite papers on all major fields of molecular chemistry and multidisciplinary topics bridging chemistry with biology, physics, and materials science, as well as timely reviews and topical issues on cutting-edge fields in all of these areas.

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### Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

Institute of Pharmaceutical Biology and Phytochemistry, University of  
Münster, Corrensstrasse 48, D-48149 Münster, Germany

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