

Special Issue

Nonlinear Metasurfaces and Plasmonics

Message from the Guest Editor

Metasurfaces involving various plasmonic structures have emerged as a promising platform for many applications ranging from photodetection to photovoltaics and photoimaging. The popularity of this type of metasurfaces arises from their excellent optical properties. In a metasurface involving plasmonics, one can flexibly manipulate the optical resonances by tuning the chemistry and the physical dimensions of the nanostructure. The present Special Issue is devoted to recent advances, in the form of articles and reviews, in the field of metasurfaces involving plasmonic structures. Hybridization of plasmonics with two-dimensional transition metal dichalcogenides (2D-TMDs), graphene, semiconductor quantum dots, and perovskites will be of special interest. Studies enhancing the understanding of non-linear light-matter interaction on metal surfaces are of interest to this Special Issue as well.

Guest Editor

Dr. Aziz Boulesbaa

Department of Chemistry & Biochemistry, California State University Northridge, 18111 Nordhoff St., Northridge, CA 91330, USA

Deadline for manuscript submissions

closed (31 October 2020)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/31385

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

mdpi.com/journal/

[appls](https://appls.mdpi.com)





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)