

Special Issue

Advances in Organic Semiconductors: Materials, Devices, and Applications

Message from the Guest Editors

Over the past several decades, the field of organic semiconductors has grown to become a large research area. The possibility of tailoring material properties via careful molecular design has attracted strong interest in the research community. This has led to the development of devices such as organic light-emitting diodes, photovoltaic solar cells and transistors. An eminent example is the area of organic bioelectronics, where biosensors, biocompatible implantable electrodes and neuromorphic devices have demonstrated great success in the last decade. The additive manufacturing of organic semiconductors is also a growing research field, pushed by the concomitant development of 3D-printing technologies. The purpose of this Special Issue is to cover some of the new research on organic semiconductors, concerning the design of the devices and the development of novel applications, along with advances in material processing. This Special Issue provides a chance to capture the latest advances, propose new exciting challenges, and disseminate innovative studies and breakthrough discoveries on organic semiconductor devices.

Guest Editors

Dr. Matteo Parmeggiani

1. Department of Applied Science and Technology (DISAT), Politecnico di Torino, Corso Duca degli Abruzzi 24, 10129 Torino, Italy 2. Istituto Italiano di Tecnologia, Center for Sustainable Future Technologies, Via Livorno 60, 10144 Torino, Italy

Dr. Simone Luigi Marasso

1. Institute of Materials for Electronics and Magnetism, IMEM-CNR, Parco Area delle Scienze 37/A, 43124 Parma, Italy
2. Department of Applied Science and Technology, Politecnico di Torino, C.so Duca degli Abruzzi 24, 10129 Turin, Italy

Deadline for manuscript submissions

closed (31 December 2023)



Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



mdpi.com/si/136429

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

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





Electronics

an Open Access Journal
by MDPI

Impact Factor 2.6
CiteScore 6.1



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



About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

Editor-in-Chief

Prof. Dr. Flavio Canavero

Department of Electronics and Telecommunications, Politecnico di
Torino, 10129 Torino, Italy

Author Benefits

High Visibility:

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

Journal Rank:

JCR - Q2 (Engineering, Electrical and Electronic) /
CiteScore - Q1 (Electrical and Electronic Engineering)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 16.8 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).