

Special Issue

Molecular Electronics in Physical Chemistry

Message from the Guest Editor

In recent years, molecular electronics have developed rapidly and become one of the most active research areas in chemistry. Its main content is the "bottom-up" construction of molecular-scale devices with specific functions such as switches, transistors, and resistors. To enable these functions, we are working on the design and synthesis of molecular wires, understanding the quantum transport and energy conversion properties of molecular-scale devices based on the electrical, mechanical, optical, and thermal properties of these systems, and their potential applications in molecular devices. We are particularly interested in articles describing new methods for molecular electronics in physical chemistry. Full papers, communications, and review articles presenting and discussing the most recent trends in the field are welcome.

Guest Editor

Prof. Dr. Shan Jin

Key Laboratory of Pesticide & Chemical Biology of the Ministry of Education, College of Chemistry, Central China Normal University, Wuhan 430079, China

Deadline for manuscript submissions

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

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Message from the Editor-in-Chief

As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th 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 multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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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