



an Open Access Journal by MDPI

Direct (Hetero)Arylation: A New Tool for Organic Electronics

Guest Editor:

Prof. Dr. Mario Leclerc

Department of Chemistry,
Universite Laval, Quebec, QC,
Canada

Deadline for manuscript
submissions:

closed (30 June 2018)

Message from the Guest Editor

Dear Colleagues,

Direct (hetero)arylation is a novel and powerful tool for the synthesis of cheap and efficient polymeric and oligomeric semiconductors. Indeed, this innovative method allows the formation of carbon-carbon bonds between arenes and aryl halides, which do not require organometallic intermediates thereby significantly reducing both synthetic steps and cost. Highly-promising studies have been reported in the last five years, but it is the purpose of this Special Issue to show how conjugated polymers and small molecules prepared from direct (hetero)arylation can be utilized in different devices (light-emitting diodes, transistors, solar cells, electrochemical cells, sensors, etc.). This Special Issue will contain different formats of contributions (original research, reviews, communications and letters), discussing aspects broadly indicated by the keywords.

Prof. Mario Leclerc

Guest Editor



mdpi.com/si/10518

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Thomas J. Schmidt

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

Message from the Editor-in-Chief

As the premier open access journal dedicated to molecular chemistry, now in its 30th 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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [Reaxys](#), [CaPlus / SciFinder](#), [MarinLit](#), [AGRIS](#), and [other databases](#).

Journal Rank: JCR - Q2 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)

Contact Us

Molecules Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/molecules
molecules@mdpi.com
[X@Molecules_MDPI](#)