

Special Issue

Non-fullerene Acceptor Organic Solar Cells

Message from the Guest Editors

Organic solar cells using non-fullerene acceptors (NFAs) have recently improved their power-conversion efficiencies to almost 16%. Based on blends of the NFAs with semiconducting polymers, these solar cells are fabricated from solution-processing techniques and have unique prospects for achieving low-cost solar energy harvesting, owing to their material and manufacturing advantages. Their potential applications are broad, ranging from flexible solar modules and semitransparent solar cells in windows, to building applications and even photon recycling in liquid-crystal displays. This Special Issue on “Non-Fullerene Acceptors for Organic Solar Cells” aims to reflect the state-of-the-art topics and progress in the design and synthesis of novel NFAs, material requirements and device operation mechanisms, photoactive layer morphology control, interfaces and electrodes modification, device characterization and photophysics studies, fabrication of novel device architectures, encapsulation methodologies, stability studies, etc. Contributions of theoretical and experimental work or both are welcome, and your contribution to this Special Issue would be greatly appreciated.

Guest Editors

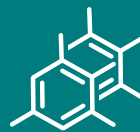
Dr. Maria Vasilopoulou

Prof. Dr. Leonidas Palilis

Prof. Dr. Abd Rashid Bin Mohd Yusoff

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

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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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