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Sustainable Materials and Processes for Organic Electronics

Guest Editors:

Dr. Mariacecilia Pasini

Istituto di Scienze e Tecnologie Chimiche "Giulio Natta" (SCITEC), Consiglio Nazionale delle Ricerche (CNR), Sede Via A. Corti 12, 20133 Milano, Italy

Dr. Varun Vohra

Department of Engineering Science, University of Electro-Communications, 1-5-1 Chofugaoka, Chofu, Tokyo 182-8585, Japan

Dr. Alessandra Operamolla

Department of Chemistry and Industrial Chemistry, University of Pisa, Via Giuseppe Moruzzi, 13, I-56124 Pisa, Italy

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Message from the Guest Editors

Organic semiconductors represent an intriguing alternative to their inorganic counterparts since they are cheaper, lighter, and more flexible. They provide an elegant approach to avoid further depleting our planet from its nonrenewable resources and exhibit a great potential for low carbon footprint manufacturing as a result of the lower energy consumption involved in their processing into thin films

However, their conventional synthetic approaches and processing techniques usually involve the use of toxic or hazardous chemicals and solvents, which limit their potential sustainability by far.

This Special Issue will collect contributions that propose solutions to the aforementioned negative environmental impact of organic electronics manufacturing through greener or more sustainable approaches encompassing all the phases of the organic electronic devices design and fabrication. The Special Issue will strongly promote a circular vision of organic electronics manufacturing through lifecycle or environmental impact assessments, as well as innovative methods for waste valorization during organic electronics manufacturing or decommissioning.









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Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and Applied Science, University of Ontario Institute of Technology, Oshawa, ON L1G 0C5, Canada

Message from the Editor-in-Chief

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