

Special Issue

Conversion and Valorization of Lignocellulosic Biomass

Message from the Guest Editor

Lignocellulosic biomass is the most abundant renewable raw material on Earth. The valorization of lignocellulose, vegetal biomass and agro-industrial processing waste in order to produce high value-added products enhances energy production and promotes a lignocellulosic biorefinery approach. Many catalytic processes are employed to produce chemicals, bioactive molecules, biomaterials and biofuels from this biomass, as well as to develop economically feasible bioprocesses. Effective processes, advanced technologies and methods should be implemented as part of a green biorefinery and One Health approach, promoting a circular economy model for bioeconomy purposes. The sustainability, environmental impact and cost-effectiveness of technologies are important indicators in this context. This Special Issue will collect original research articles, review, mini-review articles and short communications that highlight recent advances in green technologies for the conversion and valorization of lignocellulosic biomass (vegetal and agro-industrial waste) to value-added products.

Guest Editor

Dr. Loredana Marcolongo

Research Institute on Terrestrial Ecosystems-IRET-CNR, Via Pietro Castellino 111, 80131 Naples, Italy

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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