

Special Issue

Biorefineries, Circular Cities, and the Bioeconomy

Message from the Guest Editors

Biomass is composed of organic materials originating from plants or animals such as crop waste, forestry residues, agricultural residues, algae, energy crops, and food wastes. The biosphere reaction to anthropogenic disturbances is increasingly shown in natural disasters across the world. With the world population passing eight billion in 2022, there is an increasing rate of global awareness about the journey toward a bioeconomy or net-zero economy. Biomass, the very original source of human energy, plays a key role in the net-zero journey toward circular cities. However, the future utilisation of biomass is more complex than conventional approaches such as biogas. This Special Issue is dedicated to methodological research works in regard to the role of complex biorefineries in the net-zero economy. The articles can address various aspects including technology, lifecycle, policy, economic, and social aspects.

Guest Editors

Dr. Kaveh Khalilpour

Faculty of Engineering and IT, University of Technology Sydney, P.O. Box 123, Broadway, NSW 2007, Australia

Dr. Andrew Hoadley

Department of Chemical Engineering, Monash University, Clayton Campus, Clayton, VIC 3800, Australia

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

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Editor-in-Chief

Dr. Dimitris P. Makris

Department of Food Science & Nutrition, School of Agricultural
Sciences, University of Thessaly, N. Temponera Street, 43100 Karditsa,
Greece

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