



Sustainable Bioprocess for Agricultural Waste Valorization

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Deadline for manuscript
submissions:

closed (15 March 2023)

Message from the Guest Editors

The production of agricultural goods has increased manifold, and to suffice the need of growing populations, it will once again greatly increase in the near future. However, this increase in the production of agricultural goods is also accompanied by a large amount of waste. The degradation of these huge amounts of agricultural residues is a gigantic problem worldwide. Lignocellulosic-rich agricultural residues have been found to be an efficient source of biofuel, bio-oils, high-value compounds, and intermediate compounds for the commercially important biorefinery alternatives to petroleum-refinery-based chemicals. Thus, the valorization of agricultural biomass is a great opportunity and can be exploited for a greener future that supports both environmental conservation and meets the chemical and energy needs of mankind. Similarly, the development of efficient hydrolytic enzymes and fermenting strains via the genetic engineering and system biology approach can lead to enhanced efficiency in saccharification and fermentation. This Special Issue focuses on the development and assessment of these technologies and bioprocesses that can result in enhanced biomass valorization.





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School of Life and Environmental
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Sydney, Sydney, NSW 2006,
Australia

Message from the Editor-in-Chief

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