



Physical, Chemical and Biological Treatment Technologies to Utilize Organic Waste in Sustainable Agriculture

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Message from the Guest Editor

Domestic, commercial, industrial and agricultural activities produce wastewater and solid waste, which contain organic materials. These organic materials contain valuable nutrients. Hence, to achieve sustainability, it is important to extract these nutrients and utilize them in agriculture. This approach is particularly important in the case of phosphorus whose natural deposits are expected to be exhausted by 2060 or so.

This special issue is targeted to compile the latest cutting-edge research towards the extraction and utilization of nutrients from waste materials. It is possible to use either standalone or a combination of physical, chemical and biological processes for extracting nutrients from waste materials. Once extracted, the nutrients can be used in either protected cropping or broadacre agriculture.

This special issue will include both new technologies and the refinement of existing technologies. Evaluation of these technologies with respect to economic, environmental, social and risk factors will be encouraged. Further, the technologies need to be evaluated against the decarbonization goals and minimization of carbon footprint.





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Message from the Editor-in-Chief

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