Special Issue

Novel Biological Technology for Material Resource Recovery

Message from the Guest Editor

This Special Issue calls for manuscripts which address novel biological recycling technology that fits with a circular economy. Authors are strongly encouraged to submit manuscripts that explore microbiological opportunities to recover resources thereby closing material cycles with minimal losses and with minimal energy and chemical consumption. Also manuscripts that use thermodynamic, microbiological, and biotechnological unified principles to achieve highly selective and high-rate biological processes using open-culture bioreactors are welcome. The Special Issue focuses on material resource recovery. This is highly relevant as fossil resources for organic chemicals, nutrients, metals, and minerals become more scarce and less accessible and are strongly associated with unsustainable practises. Suggested topics include but are not limited to the biological recovery of organic acids, phosphate, nitrogen, zinc, selenium, etc., and if recovery is not feasible or relevant (such as for arsenic), to deal with the element in the most environmentally friendly way.

Guest Editor

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Deadline for manuscript submissions

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I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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