



Novel Biological Technology for Material Resource Recovery

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Deadline for manuscript
submissions:

closed (31 January 2021)

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.





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Message from the Editor-in-Chief

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