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Climate Change and Circular Bioeconomy: Old Challenges and New Opportunities for Environmental Biotechnology

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Deadline for manuscript submissions:

closed (30 July 2022)

Message from the Guest Editors

Dear Colleagues,

This Special Issue invites research papers, critical reviews and feature articles that critically examine biological resource recovery and valorization through processes such as carbon capture and utilization (CCU), nutrient recovery and upcycling or wastewater treatment and reutilization. To unlock their real circular bioeconomy potential, the investigated processes should be aimed at sourcing added-value products that can find real-life applications and that are appealing for the market. A non-exclusive list of such products comprises single-cell protein for feed and food applications, biofertilizers and biostimulants for agriculture, as well as bio-based polymers for renewable materials. Besides the mere scientific research aspects, the invited studies will have to also embrace multidisciplinary considerations and analyses of the environmental, economic and social implications of the proposed research and innovations.

- environmental biotechnology
- resource recovery
- added-value products
- techno-economic feasibility



Dr. Silvio Matassa Prof. Willy Verstraete Guest Editors







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Message from the Editor-in-Chief

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