

Special Issue

Sustainable Waste Management Strategies for Circular Economy

Message from the Guest Editors

The transition to a circular economy presents an opportunity to fundamentally reshape waste management practices, minimizing environmental impact and optimizing resource efficiency. While the benefits of the circular economy are clear, several barriers hinder its widespread adoption. These include a lack of awareness, inadequate infrastructure, and resistance to change. Innovation is key to scaling circular economy solutions and achieving sustainable waste management. Developing new materials, processes, and business models that align with circular principles can unlock new opportunities for resource efficiency and waste reduction. Collaboration between research institutions, industries, and governments is vital to foster innovation and accelerate the adoption of circular economy practices. Therefore, this Special Issue explores sustainable waste management strategies within a circular economy. This Special Issue provides a comprehensive synopsis of how industries and governments can collaborate to achieve a sustainable future by integrating innovative waste management practices, resource recovery, and sustainable design.

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