

Special Issue

Waste Management and Application of the Principles of the Circular Economy

Message from the Guest Editors

The problem of proper waste management is a priority both in advanced economies and in developing countries. The application of the principles of circular economy allows the maintenance of secondary resources in the production circuit and the preservation of primary reserves. The focus of this SI is based on researches and case studies that examine the issue of waste management not only from a technical and engineering point of view, addressing innovative solutions, but also economically, focusing on the main challenges and opportunities in the cycle of recycling, recovery, regeneration and reuse of waste, and the necessary involvement of the population, as a fundamental element on which the applicability of the principles of the circular economy is based. Penetration of the principles of the circular economy into the waste management scenarios requires new political and legislative decisions as well as a favorable social context.

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