

Special Issue

Life Cycle Sustainability Analysis of Resource Recovery from Waste Management Systems in the Context of Circular Models of the Economy and the Bioeconomy

Message from the Guest Editors

The economy for the last 150 years has been based upon the take–make–use–dispose model that—as is known—results in the irresponsible, uncontrolled extraction of resources for production and consumption, and no effective plans for waste reutilisation and economy regeneration. In recent years, such a linear model of the economy has become a global concern and has been proven as causing a number of problems.

For waste–management systems to be sustainable, the environmental, economic and social aspects need to be computed. Methodologies, such as Life Cycle Assessment (LCA) and Life Cycle Sustainability Assessment (LCSA), are very powerful tools to address trade–offs, both amongst life cycle stages and amongst different sustainability pillars.

In this context, the significant response to our previous Special Issue encouraged the Journal Editors to implement a second volume on this topic, aiming at contributing further to advance the literature and the knowledge on such a relevant field of research.

Guest Editors

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