

Special Issue

Valorization of Secondary Resources

Message from the Guest Editors

Secondary resources derive from residues of all industrial and public operations. Their valorization can lead to significant advantages in terms of waste prevention and reduction. It can be carried out through, ad-hoc treatments and/or processes devoted to the sorting of particular fractions to be used as secondary raw materials or for their conversion in valuable materials/products or energy sources. Noticeable advantages can be obtained in terms of environmental, energetic, economic and social impacts. However, their valorization is sometimes hampered by several factors that are related to the nature and composition of residues as well as to social and political issues. This Special Issue is focused on novel treatments, processes, and solutions for a sustainable valorization of secondary resources coming from both industrial and public fields as well as advanced techniques linked to the concept of Industry 4.0, enabling an interdisciplinary approach to the waste minimization and resource efficiency maximization. It also aims to cover social and political barriers and related pioneering solutions related to the secondary resources management and valorization.

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