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The Mass and Energy Recovery from Secondary Raw Materials

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Deadline for manuscript submissions:
closed (20 April 2022)

Message from the Guest Editors

Dear Colleagues,

In the view of a circular economy, where minimization of the use of primary resources, creation of waste, and reduction in pollution and carbon emissions are matter of relevant importance, mass and energy recovery from secondary raw materials represent an obligatory path to create carbon-neutral closed-loop production systems. Additionally, due to the never-ending need for an increase in raw materials to sustain the production of everyday life goods, the development of new innovative processes that allow the exploitation of raw materials from secondary products or primary raw material with low material content (e.g., mine tailings) is required.

The Special Issue invites original research papers to address new processes for the recovery of mass and energy from secondary raw materials, such as spent catalysts, photovoltaic panels, lithium-ion batteries, consumer electronics, wastes, and mine tailings. Additionally, authors are encouraged to submit review papers addressing the state of the art and recent advancements in these areas, providing useful guidelines for future research directions.

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Message from the Editor-in-Chief

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