



Electronic Waste: Management and Recovery Technologies

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Message from the Guest Editor

Currently, the recycling, management, recovery, and reuse of electronic waste (e-waste) represent a great challenge at the global level, especially because they contain components that are harmful to humans and generate large environmental pollution. From a scientific and technological point of view, there are two aspects that are key in this type of waste and that it is necessary to address: The great environmental impact they generate due to metals that leach the medium (arsenic, selenium or antimony, among others), and secondly, the enormous possibilities of recovery of these metals and the economic value that they can generate, since they are chemical elements, such as gold, tantalum, platinum or palladium, as well as some rare earths.

This Special Issue aims to shed light on the latest advances and research carried out for the correct management of electronic waste as well as to delve into the latest techniques and applications for the recovery and reuse of chemical elements with high added value.

Keywords: e-waste; recovery; management; environmental impact; circular economy; rare earths; leaching; regulations; hydrometallurgy; magnetic separation





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Message from the Editor-in-Chief

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