Special Issue

Investigation New Technology for Separation of Plastic Wastes

Message from the Guest Editor

The environmental impact of post-consumer plastics is an important issue in waste management. In the hierarchy of sustainable waste management, when reduction and reuse of consumer goods cannot be carried out, recycling or energy recovery of materials must be preferred to landfilling. Therefore, plastic wastes can be considered as a resource, becoming the alternative to virgin materials or traditional fuels. The separation process within a recycling plant plays a major role in the contexts of production of high-quality secondary raw materials and reduction of extensive waste disposal in landfills. Nowadays, several promising technologies for plastic mixtures separation have undergone research, such as electrostatic separation, processes based on differential thermal behaviours, selective solvents and optical properties and, above all, separation by density. This Special Issue of *Separations* invites papers addressing all aspects of the processes for plastics separations and impurities removal to reliably substitute virgin polymers reducing environmental impact and resource depletion.

Guest Editor

Dr. Monica Moroni

Dipartimento di Ingegneria Civile Edile e Ambientale (DICEA), Sapienza University of Rome, Via Eudossiana 18, 00184 Rome, Italy

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Separations
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
separations@mdpi.com

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Message from the Editor-in-Chief

Separations offers the scientific community a high-quality, open-access journal option with rapid time-to-publication without any sacrifice of a rigorous peer-review process. We invite contributions ranging from fundamental characterization and instrumentation development through application of techniques to shed light on a broad spectrum of separation science needs. Since inception, *Separations*, has become unique in its combination of rapid publication and thorough scientific content. We invite you to consider us for your next contribution.

Editor-in-Chief

Prof. Dr. Frank L. Dorman
Department of Chemistry, Dartmouth College, Hanover, NH 03755, USA

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