Special Issue

Management of Solid Waste

Message from the Guest Editors

Waste reduction and valorization need to be taken to a new level of performance. Despite being harmful to the environment, solid waste has a great potential of recycled materials, new by-products, and cleaner sources of energy. However, issues regarding adequate transformation techniques, legislation and economics aspects still need to be solved to achieve an efficient and sustainable management. The adaptation of all these topics to various scales of territories is not completely treated also.

- Recovery of waste, both in terms of new materials and energy
- Life cycle analysis and circular economy applied to solid waste management
- Economics and waste management
- Legislation, environmental, and management of solid wastes
- Methodologies for solid waste management in insular, rural, and remote areas
- Microbiology, physics modelling, and experiments for solid waste management and process
- New tools or databases for evaluation of solid waste management

Keywords:
Solid waste management
Waste-to-energy technologies
New tools or databases
Waste reduction and valorization
Recycled materials and energy
Legislation
Microbiology

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