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Solid Waste Management and Environmental Protection

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Message from the Guest Editors

In the modern world, the management of liquid and solid industrial wastes present in the environment in massive quantities has remained one of the most intractable problems. Diverting the harmful anthropogenic waste fluxes from landfills is a significant contributor to environmental protection and climate change mitigation. Making use of waste resources is also a critical part of how we tackle the worldwide overconsumption of scarce virgin resources. Integrated waste management is therefore a comprehensive goal with broad scope and global coverage. For this purpose, it is essential to track trends in the quantity, composition, and effects of various solid waste resources from the major industries. This will provide insight into the efficiency with which nations can reutilize (reuse/recycle) such waste materials and resources, and provides a means to better understand the effects of solid wastes on human health and ecological condition. Promoting the sustainable use of industrial solid waste resources must be further supported by developing the rationale and different assessment tools for taking a holistic approach towards solid waste management.



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