Special Issue

Microbial Degradation and Conversion of Refractory Organics

Message from the Guest Editors

The never-ending anthropogenic activities in the environment lead to the accumulation of various industrial and synthetic toxic pollutants that have disturbed the natural ecosystem in many different ways. The majority of those refractory compounds include agro-industrial wastes like pesticides, antibiotics, petroleum effluents, natural and synthetic polymers like lignin, PLA (polylactic acid), PAH (polycyclic aromatic hydrocarbons) as well as water and food wastes. Microorganisms, in this case, are playing dynamic roles in their bioremediation, biodegradation and bioconversion, while synthesizing high-valued compounds at the same time. For developing a sustainable and green environment, it is tremendously essential to adapt and implement certain novel ways and strategies used by microorganisms to deal with all these refractory organics.

Guest Editors

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Editor-in-Chief

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