



Progress in Surfactants with Low Environmental Impact

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Message from the Guest Editors

This Special Issue aims to report recent advances in surfactant science, including the deployment of new processes and surfactant molecules tailored to attain promising performance properties. These comprise:

- New surfactants and low environmental impact processes to comply with new industry regulations, e.g., polyethoxylated surfactants with low dioxane content, and/or surfactants derived from biobased or lignocellulosic materials, which partially or entirely substitute the petroleum-derived content.
- Innovative biobased or biosurfactants, including the study of their behavior at surfaces and interfaces and their applications.
- Innovative use of correlations to formulate with surfactants, including Hydrophilic-Lipophilic Deviation (HLD), Hansen Solubility Parameters, and molecular dynamic simulations to predict properties.
- Applications of surfactants in pioneering processes such as biorefineries, new detergent, pharmaceutical or cosmetic formulations, wastewater remediation, metal recuperation from battery waste, and use in advanced (bio)fuels, among others.

