Special Issue

Cellulose Isolation from Agri-Food Residues

Message from the Guest Editors

Cellulose recovery processes from agri-food residues are gaining more attention nowadays due to the potential applications of cellulose in the polymer, textile, pharmaceutical, biomedical, and food sectors. Some of the isolation processes currently under extensive research and development are based on chemical–physical, catalytic, or enzymatic treatments. Proper characterization of the starting residue, operating temperature and pressure, energy consumptions, equipment costs, side-stream generation, and chemical and functional characterization of the obtained cellulose are some of the key factors for successful industrial scale implementation of cellulose isolation strategies while considering an environmentally friendly perspective. In this Special Issue, we invite submissions exploring cutting-edge research and recent advances in the fields of cellulose recovery and isolation processes from agri-food residues. Experimental studies as well as comprehensive review and survey papers are welcome, as well as studies concerning the development and validation of process mathematical models.

Guest Editors

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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