

Special Issue

Advanced Technologies for Vegetable Oil Extraction

Message from the Guest Editors

This Special Issue on “Advanced Technologies for Vegetable Oil Extraction” aims to present novel advances in the development of innovative technologies for the extraction of vegetable oil from various seeds. Topics include, but are not limited to:

- Seed pre-treatments (using microwave technology, drying, extrusion, steam treatment, mechanical treatments, irradiation, etc.);
- Innovative technologies for (chemo-)mechanical pressing (twin-screw extrusion, etc.), process development and characterisation, and their optimization and scale-up;
- Green solvent-assisted extraction (supercritical and subcritical fluids like CO₂, renewable solvents like bioethanol, etc.);
- (Enzyme-assisted) aqueous extraction;
- Valorisation of process waste and by-products (e.g., press cake) through thermopressing and/or injection-molding to produce biomaterials, composite manufacturing, etc;

Alternate vegetable-oil-refining techniques and suggestions of original applications for cakes are not mandatory for this Special Issue. Nevertheless, they will also be appreciated.

Guest Editors

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