

Special Issue

New Glycerol Upgrading Processes

Message from the Guest Editor

Glycerol has traditionally been produced from tallow and oil by acid hydrolysis, and it can also be produced by several microorganisms, the latter method being a promising biorefinery approach in the event that glycerol production needs to be enhanced. However, presently, most of the glycerol production comes from the biodiesel production process as a side stream, which has led to a saturation of the existing traditional glycerol market in the chemical, food, and pharmaceutical sectors. As a consequence, prices have remarkably dropped, thereby affecting the profitability of biodiesel production processes. Therefore, glycerol—either crude or pure—could be a waste to be disposed of or, on the other hand, it could become an opportunity by turning it into a platform chemical. The aim of this Special Issue is to provide a general and up-to-date overview of the wide variety of processes and products that are now being devised, researched, and implemented using glycerol as a starting building block and carbon source for chemical synthesis, thermochemical transformations, and biochemical/microbial processes.

Guest Editor

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