

Special Issue on
**Biochemistry: Production of High-Added Value
Biomolecules for Industrial Uses**

CALL FOR PAPERS

Since several years a great importance is given to use of products derived from natural resources (plant, fish, animals, and microorganisms) in the industry. This importance has occurred due to the requirement of consumers towards “green products” which are considered safer for health than the synthetics. Moreover, the diversity of chemical structure of natural molecules allows for the discovery of new biologically active compounds and permits the development of drugs or functional food. Besides, in the oleochemistry industry, the biofuel and biodiesel produced from natural resources have lower carbon emissions as compared to fossil fuels. In addition, the development of different bioprocess, particularly the techniques of biomolecules extraction and separation and the enzyme biocatalysis, has revolutionized the production of high-added value products from renewable bioresources and the valorization of raw material.

We invite authors to submit original research and review articles describing the production of biocompounds by extraction from natural resources or by enzymatic conversion and their use in industrial applications such as medical, chemical, agricultural, and food industries.

Potential topics include but are not limited to the following:

- ▶ Extraction and characterization of bioactive molecules from plants
- ▶ Extraction and characterization of bioactive molecules from marine sources
- ▶ Characterization of new bioactive molecules from bacteria
- ▶ Improvement of bioactive molecules extraction and production
- ▶ Bioactive peptides production by enzymatic hydrolysis of proteins
- ▶ Production of flavors by enzymatic esterification process
- ▶ Production of biodiesel by enzymatic transesterification process
- ▶ Discovery of new biomolecules used as drugs
- ▶ Development of new functional food biomolecules
- ▶ Development of biomolecules for animal feed and aquaculture

Authors can submit their manuscripts through the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/bmri/biochemistry/phbi/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

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