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## Algae Biomass Development for the Production of High-Value Products In Vivo and In Vitro

Guest Editor:

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Deadline for manuscript submissions:

**closed (20 December 2023)**

### Message from the Guest Editor

Dear Colleagues,

The technological and commercial exploitation of microalgae and Cyanobacteria biomass for the production of high value products (biofuel, bio fertilizers, pharmaceuticals, nutraceuticals and other bio-based products) has been partly explored and is still in high demand; the same accounts for the marine macroalgal assemblages. Therefore, the Algae Production Industry in Europe has proved to be an emerging sector of the blue bio-economy. However, sound knowledge of the algae biodiversity and community composition in various aquatic biotopes (freshwaters, transitional waters, and marine and hypersaline habitats) is necessary for both the pure systematic and ecological interest, as well as for the selection of local variants or native species. Emphasis on these local taxa would allow sound monitoring for optimized biomass development in cultures and for the production of specific co-products with higher scientific or commercial value (e.g. secondary metabolites, nutritional fatty acids, etc).



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# Special Issue



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