

## Special Issue

# Marine-Derived Bioactive Compounds and Marine Biotechnology

### Message from the Guest Editors

Marine organisms represent an important source of functional compounds, such as polysaccharides, lipids, phenolic compounds, vitamins, and minerals. This diversity implies a myriad of potentially beneficial functions, such as antimicrobial, antioxidant, and lipid-lowering properties that can be applied to food technologies such as food processing and conservation and the development of innovative formulations. Nowadays, through marine biotechnology research, biomolecules derived from marine organisms can be studied and commercialized for use in a range of applications in the food industry, including natural-based pigments, food preservatives, nutritional-value supplements in foods, and, more recently, biodegradable packaging. This Special Issue of *Applied Sciences* will explore the integrative evaluation of marine resources as a sustainable source of food and food technologies to promote better practices along the entire chain, from the raw material to the consumer, with a particular focus on marine-based food preservatives and bio-based technologies that prolong shelf life and increase food quality.

### Guest Editors

Dr. Ana Augusto

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Dr. Marco F. L. Lemos

Dr. Patrícia Valentão

### Deadline for manuscript submissions

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## Applied Sciences

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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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### Editor-in-Chief

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