

## Special Issue

# Bioactive Compounds for the Mammary Gland Cancer

### Message from the Guest Editor

This Special Issue will consist of comprehensive reviews and original research articles featuring the impact of bioactive compounds on mammary gland cancer development with particular emphasis on the inflammatory process. Natural products or extracts, especially vitamin D compounds (vitamin D metabolites, natural and synthetic analogues), exhibit therapeutic effects against breast cancer, mainly by lowering the expression of estrogen receptors and aromatase activity. Subject areas include but are not limited to the development of the inflammatory process accompanying breast cancer, the molecular mechanisms of the actions of various bioactive compounds inhibiting breast cancer proliferation and progression, and new strategies to support breast cancer therapy. In addition, research on vitamin D and its analogs on breast cancer, the effect of vitamin D levels in the blood, vitamin D supplementation, new vitamin D analogues and anti-inflammatory effects is welcomed. We welcome original experimental research, review articles, and commentary articles that lead to a better understanding of the biological mechanisms driving the origins and progression of cancer.

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### Guest Editor

Dr. Beata Filip-Psurska

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### Deadline for manuscript submissions

closed (20 July 2022)



## Applied Sciences

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## About the Journal

### 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

Prof. Dr. Giulio Nicola Cerullo  
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