

## Special Issue

# Natural Products in Cancer: Molecular Mechanisms and Therapeutic Applications

### Message from the Guest Editors

We are delighted to invite contributions to this Special Issue of *Applied Sciences*, which aims to explore the interface between natural product research and emerging molecular insights into cancer, particularly focusing on long non-coding RNAs (lncRNAs), autophagy, and epigenetic programming. lncRNAs are key regulators of gene expression, chromatin dynamics, and signal transduction, and their dysregulation contributes to hallmark cancer traits such as proliferation, invasion, metabolic plasticity, and therapeutic resistance. Autophagy, another tightly regulated cellular process, plays a dual role in cancer, governed by genetic, transcriptomic, and epigenetic cues. Mounting evidence indicates that natural compounds, especially phytochemicals, antioxidants, and vitamins, can modulate both lncRNA expression and autophagy pathways. We look forward to your contributions to this dynamic and timely collection.

### Guest Editors

Dr. Camelia Munteanu  
Prof. Dr. Danny N. Dhanasekaran  
Prof. Dr. Ciro Isidoro

### Deadline for manuscript submissions

30 December 2025



## 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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