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## Lichen Secondary Metabolites in Cancer Research

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Deadline for manuscript submissions:

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### Message from the Guest Editors

Dear Colleagues,

Lichens represent a symbiotic association between at least two partners, known as mycobiont (fungi) and photobiont (green algae, cyanobacteria). Lichens are interesting because of secondary compounds yielded, as we can extract from 5-10% of the dry weight of the thallus in some lichens to up to 30% in others. Secondary compounds are suitable candidates for study of their physical and chemical properties, which are important in applicative research. The extraction of secondary compounds is also key to identify pure metabolites that can be studied for biological application.

The development of new anticancer drugs is a constant challenge in oncology research. The cytotoxic and antiproliferative activities of various lichens and their secondary metabolites have been demonstrated in a broad spectrum of in vitro cancer models.

The great challenge in this field concerns the application of secondary metabolites in cancer research. Papers discussing the pro-apoptotic, antiproliferative, anti-cancer, and TME-modulating effects of secondary metabolites would be greatly appreciated.

Dr. Michal Goga  
Dr. Martin Kello  
Guest Editor



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# Special Issue



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## Message from the Editor-in-Chief

The metabolome is the result of the combined effects of genetic and environmental influences on metabolic processes. Metabolomic studies can provide a global view of metabolism and thereby improve our understanding of the underlying biology. Advances in metabolomic technologies have shown utility for elucidating mechanisms which underlie fundamental biological processes including disease pathology. *Metabolites* is proud to be part of the development of metabolomics and we look forward to working with many of you to publish high quality metabolomic studies.

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