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## The Role of Natural Extracts and Phytochemicals in Cancer Therapy

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Deadline for manuscript submissions:

**closed (15 September 2023)**

### Message from the Guest Editors

Dear Colleagues,

The plant world is one of the main sources of active molecules used by researchers to find new anti-cancer therapies. Phytochemicals are generally organic compounds of low molecular weight produced by the primary and secondary metabolism of plants. They frequently possess antitumor and antimutagenic properties thanks to their antioxidant and anti-inflammatory action. For instance, many anti-tumor drugs of natural origin, such as vinca alkaloids (vincristine and vinblastine), are used, thanks their antiproliferative properties.

The purpose of this Special Issue is to collect original articles or reviews concerning the effect of natural extracts, such as essential oils and phytochemicals, in relation to the following topics:

- Antitumor and/or protective effects in in vitro and in vivo models, with the identification of the biochemical pathways involved;
- Potential efficacy deriving from their integration in standard oncological therapies;
- Preventive and anti-mutagenic action;
- Action on cancer stem cells and resistance to chemotherapy.

Dr. Daniela Carlisi  
Dr. Anna De Blasio

*Guest Editors*



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Special Issue



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## Message from the Editorial Board

*Cells* has become a solid international scientific journal that is now indexed on SCIE and in other databases. We have successfully introduced a special issues format so that these issues serve as mini-forums in specific areas of cell science. *Cells* encourages researchers to suggest new special issues, serve as special issues editors, and volunteer to be reviewers. Our main focus will remain on cell anatomy and physiology, the structure and function of organelles, cell adhesion and motility, and the regulation of intracellular signaling, growth, differentiation, and aging. We are open to both original research papers and reviews.

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