

## Special Issue

# Molecular Mechanisms Involved in The Chemopreventive and Anticancer Activity of Pentacyclic Triterpenes

### Message from the Guest Editor

Dear colleagues,

Natural compounds may offer advantages over synthetic ones in terms of fewer and less severe side effects as well as reduced drug resistance. This Special Issue is dedicated to the investigation of molecular mechanisms involved in the anticancer activity of pentacyclic triterpenes and their semisynthetic derivatives based on *in vitro* and *in vivo* studies. Pentacyclic triterpenes are secondary plant metabolites found in a wide variety of species with documented anti-inflammatory, anticancer, analgesic, and immunomodulatory effects. The chemical scaffold of pentacyclic triterpenes provides a promising platform for the synthesis of semisynthetic derivatives with improved pharmacokinetics and bioavailability.

This Special Issue will collect a selection of recent research topics and current review articles related to the molecular mechanisms involved in the anticancer effects of pentacyclic triterpenoids in order to update the current knowledge in this field. Original papers, up-to-date review articles, short communications, and commentaries are all welcome.

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### Guest Editor

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### Deadline for manuscript submissions

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## International Journal of Molecular Sciences

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### Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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