

## Special Issue

# Drug Discovery and Therapeutical Strategies for Cancer Diagnosis and Treatment

### Message from the Guest Editor

Cancer is characterized by an abnormal proliferation of tumor cells in the body, resistance to cell death, and other hallmarks that lead to the development of a tumor mass with potential to metastasize and spread to the body. Many of the drugs that are currently used in therapeutics originate from natural compounds. More than 60% of the agents available to treat cancer are connected to natural sources. These pluripotent stem cells are the main culprits of tumor resistance to chemotherapy. This Special Issue focuses on natural compounds as scaffolds for the discovery of new anticancer drugs. We welcome submissions covering, but not limited to, the following subtopics:

- Isolation and identification of bioactive compounds from natural sources;
- Biological activity of known or previously isolated natural compounds;
- In vitro and in vivo assays;
- Mechanism of action of natural compounds;
- Drug design and drug synthesis;
- Machine learning, MD simulations, QSAR, rational drug design.

Dr. Dharmendra K. Yadav

### Guest Editor

Dr. Dharmendra Kumar Yadav

College of Pharmacy, Gachon University of Medicine and Science,  
Room # 502, Hambakmoero 191, Yeonsu-gu, Incheon City 21924,  
Korea

### Deadline for manuscript submissions

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## International Journal of Molecular Sciences

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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
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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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### Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,  
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle  
Marche, Via Ranieri 65, 60100 Ancona, Italy

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