



## Cytokines/Chemokines in Cancer Metastasis

Guest Editor:

**Dr. Mohd W. Nasser**

Department of Biochemistry and  
Molecular Biology, University of  
Nebraska Medical Center,  
Omaha, NE 68198-5870, USA

Deadline for manuscript  
submissions:

**closed (15 February 2021)**

### Message from the Guest Editor

Dear Colleagues,

Cancer metastasis is the leading cause of cancer-related deaths. There is an urgent need to understand the biology of metastasis for the development of novel preventive/therapeutic approaches for controlling metastasis to distant organs. Cancer cells release cytokines or chemokines that will communicate through their receptors present on stromal (paracrine mechanism) and cancer cells (autocrine mechanism). An altered expression profile of chemokines/cytokines regulates angiogenesis, proliferation, and metastasis at various stages in the solid tumors. It has been shown that blocking chemokines/cytokines or their cognate receptors plays a significant role in controlling cancer progression/metastasis. In addition, cytokines and chemokines can be used to improve the response of chimeric antigen receptor (CAR)-T cells against solid malignancies. The papers in the current Special Issue will cover all the topics of chemokines/cytokines and their role in the tumor microenvironment and blocking strategies of these axes as a monotherapy and combination therapies for the prevention of metastasis.

Dr. Mohd W. Nasser  
Guest Editor





an Open Access Journal by MDPI

## 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

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q1 (*Biochemistry & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

## Contact Us

*International Journal of Molecular  
Sciences* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/ijms  
ijms@mdpi.com  
X@IJMS\_MDPI