



## Chronic Obstructive Pulmonary Diseases

Guest Editor:

**Prof. Patrizia Russo**

1. Department of Human Sciences and Quality, Life Promotion San Raffaele University, Via di Val Cannuta 247, 00166 Rome, Italy 2. MEBIC Consortium, San Raffaele University, 00166 Rome, Italy

Deadline for manuscript submissions:

**closed (31 July 2021)**

### Message from the Guest Editor

COPD causes chronic airflow limitation, breathlessness, exercise intolerance, cough, difficulty with daily activities, infections, acute exacerbations (AECOPD) and (re)hospitalization. COPD is a multisystem disease with effects beyond the lung that are associated with prognosis and mortality. COPD is characterized by a complex GxG/GxE interactions not yet completely understood. Many genes are associated with COPD genesis and development and therapy. Genetic variants (SNPs) are associated with COPD susceptibility, severity airway hyperactivity, FEV<sub>1</sub> and therapeutic response. Cellular senescence is implicated in COPD pathogenesis; thus lung senescent cells release senescence-associated secretory phenotype (SASP) factors. Viral and bacterial infections of the respiratory system are a major cause of COPD exacerbations, leading increased local and systemic inflammation.

In this Special Issue, studies using animal or cell culture models to investigate molecular mechanisms of COPD will be published. This Special Issue will also cover reports on patients, providing novel mechanistic insights into the underlying pathogenesis or new aspects that may impact therapy.





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