



an Open Access Journal by MDPI

Genomic Variation and Epidemiology of SARS-CoV-2

Guest Editors:

Dr. Antonio Vitiello

Pharmaceutical Department, Local Sanitary Unit Umbria 1, 06132 Perugia, Italy

Dr. Francesco Ferrara

Pharmaceutical Department, Asl Napoli 3 SUD, Dell'Amicizia Street, 80035 Naples, Nola, Italy

Deadline for manuscript submissions: closed (20 March 2023)

Message from the Guest Editors

The COVID-19 global pandemic caused by SARS-CoV-2 is currently ongoing. Genome-wide analyses of SARS-CoV-2 variants and epidemiological studies are critically important in order to identify changes in virus transmissibility and COVID-19 disease severity, the ability of the virus to avoid immunity induced by vaccination or postinfection, and how these features may impact pandemic progress. The most important mutations are those at the level of the spike protein of SARS-CoV-2, because this region is important for cellular receptor binding and endocellular penetration of the virus, and because vaccination-induced antibodies are directed against it.

This Special Issue of the International Journal of Molecular Sciences focuses on the research field of Genomic Variation and Epidemiology of SARS-CoV-2, and welcomes both original research articles and review articles with the aim of providing useful evidence for the global scientific community during the COVID-19 pandemic.



mdpi.com/si/110459







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