genes

an Open Access Journal by MDPI

IMPACT FACTOR 2.8

Indexed in: PubMed

CITESCORE 5.5

Genetics of Antimicrobial Resistance

Guest Editors:

Dr. Avelino Álvarez-Ordoñez
Department of Food Hygiene and Technology and Institute of Food Science and Technology, University of León, León, Spain

Dr. José F. Cobo-Díaz
Department of Food Hygiene and Technology and Institute of Food Science and Technology, Universidad de León, León, Spain

Deadline for manuscript submissions:
closed (20 May 2021)

Message from the Guest Editors

Antimicrobial Resistance is an increased risk for human health, due to the intensive use of antimicrobial compounds on agricultural applications and livestock industries. The spread of AR genes along the food chain is an important health risk factor that needs to be deeply studied. Moreover, recent studies on AR genes spread along wastewater or coastal sea water samples have shown the prevalence of such genes in natural environments due to human activities.

Whole genome and metaganome sequencing technologies, including NGS and software for NGS data analysis, have notably increased the capacity to detect and study ARGs on isolated bacteria and environmental samples. These technologies also allow one to determine the genomic environment of such ARGs, including mobile element regions, favoring the execution of more accurate risk assessments. Furthermore, transcriptomic and metatranscriptomic approaches have allowed one to obtain a wider knowledge of the genetic regulation of AR on isolated bacteria.

We welcome researchers across the world to contribute their high-quality manuscripts covering all the aspects related to the genetics of antimicrobial resistance.

mdpi.com/si/48093

GCAT
TACG
GCAT
genes

IMPACT FACTOR 2.8
Indexed in: PubMed
CITESCORE 5.5

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Selvarangan Ponnazhagan
Department of Pathology, The University of Alabama at Birmingham, 1825 University Blvd, SHEL 814, Birmingham, AL 35294-2182, USA

Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised. Why not consider *Genes* for your next genetics paper?

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, MEDLINE, PMC, Embase, PubAg, and other databases.
Journal Rank: JCR - Q2 (Genetics and Heredity) / CiteScore - Q2 (Genetics (clinical))

Contact Us

Genes Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/genes
genes@mdpi.com
𝕏@Genes_MDPI