

Special Issue

Research on Guanidine-Based Drugs: Synthesis, Antiparasitic, Antifungal, Antiviral, and Anticancer Activities

Message from the Guest Editors

Guanidine-based compounds have long attracted interest due to their remarkable chemical versatility and broad spectrum of biological activities. These molecules exhibit strong interactions with biological targets due to their unique basicity and hydrogen-bonding capabilities, making them promising scaffolds in drug discovery. In addition to their well-known antiparasitic applications, the results of recent studies have highlighted the antifungal, antiviral, and anticancer potential of guanidine-based drugs. These findings open new avenues for therapeutic intervention, particularly in the context of neglected tropical diseases and emerging infectious agents. The following Special Issue aims to provide a comprehensive overview of recent advances in the synthesis and pharmacological exploration of guanidine derivatives, with particular emphasis on innovative approaches and emerging therapeutic perspectives. The focus is on the development of safer and more effective drug candidates capable of addressing both persistent and emerging global health challenges.

Guest Editors

Dr. Eduardo René Pérez González

Dr. Eduardo Henrique Zampieri

Dr. Francisco Jaime Bezerra Mendonça-Junior

Dr. Eduardo Maffud Cilli

Dr. Ana Marisa Fusco Almeida

Deadline for manuscript submissions

31 January 2026



Pharmaceuticals

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 7.7
Indexed in PubMed



mdpi.com/si/240039

Pharmaceuticals
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
pharmaceuticals@mdpi.com

[mdpi.com/journal/
pharmaceuticals](https://mdpi.com/journal/pharmaceuticals)





Pharmaceuticals

an Open Access Journal
by MDPI

Impact Factor 4.8
CiteScore 7.7
Indexed in PubMed



[mdpi.com/journal/
pharmaceuticals](https://mdpi.com/journal/pharmaceuticals)



About the Journal

Message from the Editor-in-Chief

Because of your expertise in the field of drug sciences, I kindly invite you to consider publishing your current work, in the form of a research article or a review, in the open access electronic journal *Pharmaceuticals*. *Pharmaceuticals* is characterized by an active editorial board and a dynamic editorial staff. Manuscripts are peer-reviewed and a final decision is provided to authors within 4–6 weeks after submission. Papers are published on the web immediately after acceptance. For details on the submission process or any other matter, please do not hesitate to contact us. We hope to handle your contribution to *Pharmaceuticals* soon.

Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

Departamento de Química e Bioquímica (DQB) e Centro de Química Estrutural (CQE), Institute of Molecular Sciences, Faculdade de Ciências, Universidade de Lisboa, Lisboa, Portugal

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, Embase, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Pharmacology and Pharmacy) / CiteScore - Q1 (Pharmaceutical Science)