Special Issue

Heterocyclic Compounds in Medicinal Chemistry

Message from the Guest Editors

Heterocycles play a key role in the biological activity of many small molecule drugs due to their capability of forming hydrogen bond, altering the polarity and modulating lipophilicity at specific sites in the pathogen or host with the overall effect of inhibiting the biological processes that lead to the progression of diseases. Indeed, most of the organic compounds used as therapeutics or intermediates utilized for their synthesis contain heterocyclic motifs that can improve pharmacological, pharmacokinetic, toxicological and physicochemical properties of compounds, making them more effective as therapeutic agents. heterocycles endowed with any biological action. The aim of the present Special Issue is Heterocycle is a ring with at least one atom that is not carbon. Nitrogen. oxygen, and sulfur are the primary elements seen in common heterocycles, which play a critical role in drug discovery.

This Special Issue will acknowledge research papers with topics including, but not limited to, the preparation of aromatic and non-aromatic also an overview primarily of the state of the art of synthetic methods and recent advances in the synthesis of heterocycles.

Guest Editors

Dr. Valentina Noemi Madia

Department of Science, Section of Biomedical Sciences and Technologies, Roma Tre University, Viale Guglielmo Marconi 446, 00146 Rome, Italy

Dr. Davide lalongo

Istituto Pasteur-Fondazione Cenci Bolognetti, Dipartimento di Chimica e Tecnologie del Farmaco, Sapienza University of Rome, p.le Aldo Moro 5, I-00185 Rome, Italy

Deadline for manuscript submissions

closed (30 June 2024)



Pharmaceuticals

an Open Access Journal by MDPI

Impact Factor 4.8
CiteScore 7.7
Indexed in PubMed



mdpi.com/si/170620

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

mdpi.com/journal/ pharmaceuticals





Pharmaceuticals

an Open Access Journal by MDPI

Impact Factor 4.8 CiteScore 7.7 Indexed in PubMed



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 Cièncias, 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)

