

## Special Issue

# Recent Effective Application of Bioisosterism

### Message from the Guest Editors

Since the introduction of the term “*bioisostere*” in 1950 by Harris Friedman, the application of bioisosterism has become a fundamental tactical approach in the contemporary practice of medicinal chemistry. During hit-to-lead processes, bioisosterism is often the winning approach to improve potency and selectivity, achieve optimal ADME-T profiles, and acquire novel intellectual properties. In some instances, the eternal confrontation between the definitions of *Isostere* and *Bioisostere* well represents the real soul of a medicinal chemist. Isosteres represent the connection with chemistry, being groups describable by chemico-physical parameters. Authors are invited to submit original and review articles describing basic science, preclinical, and clinical findings, that contribute to the understanding of the current and future potential applications of bioisosterism, to be published in this Special Issue of *Pharmaceuticals*.

### Guest Editors

Dr. Marco L. Lolli

Department of Drug Science and Technology, University of Turin, Torino, Italy

Prof. Dr. Carlotta Granchi

Department of Pharmacy, University of Pisa, Via Bonanno 6, 56126 Pisa, Italy

### Deadline for manuscript submissions

closed (31 January 2021)



## Pharmaceuticals

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.8  
CiteScore 7.7  
Indexed in PubMed



[mdpi.com/si/25635](https://mdpi.com/si/25635)

*Pharmaceuticals*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[pharmaceuticals@mdpi.com](mailto: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)