

## Special Issue

# Drug Analysis and Therapeutic Drug Monitoring

### Message from the Guest Editors

Despite the complex pharmacokinetics of many drugs and pharmacological variabilities, fixed dosing is still used in many clinical treatments. This often results in large variability in intra- and inter-individual drug exposure and can lead to a significant proportion of patients experiencing toxicity or therapeutic failure, leading to poor patient outcomes and a significant health and economic burden. The field of therapeutic drug monitoring is becoming an important clinical decision support tool in different fields of pharmacotherapy and has been improved to provide in vivo pharmacokinetic information for the personalized modulation of drug regimens. The aim of this SI is to collect research and review articles that show recent advances, not only in the most basic part of drug analysis, but also in its clinical implication as part of the therapeutic drug monitoring process. There will be great interest in works that describe analytical techniques to quantify drugs in biological samples to pharmacokinetic–pharmacodynamic studies, exposure–toxicity or exposure–efficacy correlation studies, and safety studies or rational drug use studies, among others.

### Guest Editors

Dr. Vanesa Escudero-Ortiz

Dr. Ana Catalán Latorre

Dr. Manuel Sureda González

### Deadline for manuscript submissions

closed (25 June 2024)



## Pharmaceuticals

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.8  
CiteScore 7.7  
Indexed in PubMed



[mdpi.com/si/173794](https://mdpi.com/si/173794)

*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)