



Drug Analysis and Therapeutic Drug Monitoring

Guest Editors:

Dr. Vanesa Escudero-Ortiz

Pharmacy and Clinical Nutrition
Group, Universidad CEU
Cardenal Herrera, 03204 Elche,
Alicante, Spain

Dr. Ana Catalán Latorre

Hospital Quironsalud Torrevieja,
Ptda. de la Loma, s/n 03184
Alicante, Spain

Dr. Manuel Sureda González

Hospital Quironsalud Torrevieja,
Ptda. de la Loma, s/n 03184
Alicante, Spain

Deadline for manuscript
submissions:

25 June 2024

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.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

Departamento de Química e Bioquímica (DQB) e Centro de Química e Bioquímica (CQB), Faculdade de Ciências, Universidade de Lisboa (FCUL), Rua Ernesto de Vasconcelos, Campo Grande, Edifício C8, 5º Piso, 1749-016 Lisboa, Portugal

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.

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](#), [CAPus / SciFinder](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Pharmacology & Pharmacy*) / CiteScore - Q2 (*Pharmaceutical Science*)

Contact Us

Pharmaceuticals Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/pharmaceuticals
pharmaceuticals@mdpi.com