

Special Issue

Therapeutic Drug Monitoring: Techniques and Applications in Pharmaceutical Analysis

Message from the Guest Editors

Therapeutic Drug Monitoring (TDM) is an essential part of modern pharmacotherapy, allowing for the individualization of drug dosing through the measurement of drug concentrations in biological matrices such as blood, plasma, or saliva. It is particularly important for medications with a narrow therapeutic window, high interindividual variability, or a risk of significant toxicity. In recent years, advances in analytical technologies have greatly enhanced the precision, sensitivity, and speed of TDM workflows. This Special Issue welcomes a wide range of contributions that reflect the interdisciplinary nature of TDM. We are especially interested in studies focused on the development and validation of analytical methods, innovative sample preparation strategies, and bioanalytical challenges. Equally, we invite submissions addressing pharmacokinetic and pharmacodynamic modeling, individualized dosing strategies, and the application of TDM in special patient populations. Research exploring how TDM supports personalized and precision medicine is particularly encouraged.

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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.

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