

Special Issue

Innovations and Challenges in Clinical Toxicology and Therapeutic Drug Monitoring

Message from the Guest Editor

Toxicology is an interdisciplinary field that studies toxic substances and their effects on the human body. Clinical toxicology laboratories play an important role in supporting physicians during emergencies, such as accidental poisoning and drug overdoses, where quick and accurate lab tests and intervention can save lives. Therapeutic drug monitoring (TDM) measures the drug concentration in a patient's blood to ensure that the optimal dosage is used and toxicity is prevented. Toxicology laboratories employ various analytical techniques, including immunoassays, chromatographic separation, and mass spectrometry methods. These laboratories possess the flexibility to develop clinical assays that are tailored to the needs of healthcare teams. In this Special Issue, we invite authors to submit papers that address a range of topics related to TDM and clinical toxicology, discussing challenges faced by clinical toxicology laboratories, contemporary practice, and the development and validation of innovative methods.

For more information, please click [here](#).

Guest Editor

Dr. Zhicheng Jin

Department of Pathology and Laboratory Medicine, University of Wisconsin–Madison, 600 Highland Ave, Madison, WI 53792, USA

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Journal of Clinical Medicine
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jcm@mdpi.com

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There has been an explosion of gene and target based research and therapeutics in the multitude of fields that compose clinical medicine. The *Journal of Clinical Medicine's* (JCM) staff and editorial board are dedicated to providing cutting edge, timely, and peer-reviewed articles covering the diverse subspecialties of clinical medicine. The journal publishes concise, innovative, and exciting research articles as well as clinically significant articles and reviews that are pertinent to the myriad of disciplines within medicine. The articles published are relevant to both primary care physicians and specialists. The journal's full-texts are archived in PubMed Central and indexed in PubMed. Please consider submitting your manuscripts for publication to our journal and check us out on-line!

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