Special Issue

Pharmaceutical Modeling and Real-World Data: Advancing Prescribing and Monitoring

Message from the Guest Editor

The intersection of pharmaceutical modeling and real-world data is reshaping how we understand, prescribe, and monitor treatments. For example, pharmacokinetic and pharmacodynamic modeling can now incorporate large-scale, real-world patient data to refine dosing strategies across diverse populations. Machine learning algorithms can analyze complex datasets to predict patient responses and optimize therapeutic outcomes. Similarly, real-world evidence becomes increasingly available from post-marketing surveillance and can inform healthcare professionals about effective monitoring of adverse drug reactions or patient characteristics to tailor interventions more precisely. These advancements underscore the critical need for collaborative efforts to bridge the gap between theoretical models and real-world clinical challenges. This Special Issue is dedicated to exploring the transformative power of such innovative methodologies and practical applications in modern pharmacotherapy. Let us join forces to shape the future of pharmaceutical science and its application to real-world healthcare challenges.

Guest Editor

Dr. Andreas Daniel Meid

Internal Medicine IX: Department of Clinical Pharmacology and Pharmacoepidemiology, Heidelberg University Hospital, Im Neuenheimer Feld 410, 69120 Heidelberg, Germany

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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

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