

## Special Issue

# Pathophysiological Influences on Pharmacokinetics and Pharmacodynamics

### Message from the Guest Editors

There remains a notable gap in the literature regarding the characterization of drug-metabolizing enzymes and transporters in both disease states and physiological conditions, particularly by in vivo activity markers. This Special Issue seeks to address these gaps by highlighting recent progress in understanding the impact of both pathophysiological and physiological factors on drug kinetics and dynamics. Potential topics of interest include, but are not limited to, the following: Characterization of drug kinetic disposition in patients with specific pathophysiological or physiological conditions;

Comparisons of PK and/or PD between healthy individuals and those with diseases or altered physiological states;

Exploration of how disease states and physiological conditions can modify drug absorption, distribution, metabolism, and excretion;

Impact of comorbidities and physiological changes on pharmacotherapy outcomes;

Optimization of drug therapy in patients with altered physiological states, including pregnancy;

Advances in PBPK modeling that account for pathophysiological and physiological influences.

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### Guest Editors

Dr. Geraldo Duarte

Dr. Fernanda de Lima Moreira

Dr. Jhohann Richard de Lima Benzi

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### Deadline for manuscript submissions

20 November 2025



## Pharmaceutics

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Impact Factor 5.5  
CiteScore 10.0  
Indexed in PubMed



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### Message from the Editor-in-Chief

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### Editor-in-Chief

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