

## Special Issue

# In Vitro–In Vivo Correlation and Mechanistic Pharmacokinetic Models: Bridging Drug In Vitro Characteristics and In Vivo Behaviors

### Message from the Guest Editor

This Special Issue aims to explore the most recent advancements and practical applications related to IVIVC and mechanistic pharmacokinetic modeling, including, but not limited to, the following:

- Development and validation of IVIVC models;
- Integration of in vitro data with in vivo pharmacokinetic profiles;
- Advancements in mechanistic pharmacokinetic modeling techniques;
- Applications of pharmacokinetic modeling in drug–drug interactions;
- Utilization of IVIVC and mechanistic pharmacokinetic modeling in regulatory submissions;
- Case studies demonstrating the translational potential of IVIVC and mechanistic pharmacokinetic modeling in pharmacy practice.

In this Special Issue, original research articles and reviews are welcome. I look forward to receiving your contributions.

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### Guest Editor

Dr. Zhijun Kevin Wang

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### Deadline for manuscript submissions

30 April 2026



## Pharmaceutics

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**Impact Factor 5.5**  
**CiteScore 10.0**  
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### Message from the Editor-in-Chief

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### Editor-in-Chief

Prof. Dr. Patrick J. Sinko  
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