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Recent Progress in Continuous Crystallization

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Message from the Guest Editors

The aim of this Special Issue is to capture the most recent advances and innovations in the area of continuous pharmaceutical crystallization. Industrial applications involving process development for real APIs at any scale is the main focus. Furthermore, work on fundamental advancements is also warmly welcomed. Topics of interest include, but are not limited to:

- Fundamentals of crystallization kinetics and thermodynamics, impurity rejection, phase diagrams, and liquid–liquid phase separation;
- Development and application of process analytical technology (PAT) and innovative monitoring strategies;
- Multivariable data analysis and machine learning in complex monitoring systems;
- Advanced control methods;
- On-line fault diagnosis, troubleshooting and predictive maintenance with particular focus on fouling issues and antifouling strategies;
- Integration with upstream (e.g. reaction) and downstream (e.g. filtration and drying) processes;
- Industrial case studies of integrated continuous pharmaceutical processes.

We are pleased to invite you to contribute to this Special Issue in form of a review paper or original research article.



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Special Issue