



## Advances and New Directions of Crystallization Processes

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### Message from the Guest Editors

Crystallization and precipitation had been used widely over different industries as a separation and purification techniques in food, agricultural, and petrochemical environments, as well as in more laboratory-oriented industries, such as chemical and pharmaceutical, to obtain highly pure products. The actual social transformation from linear to a circular economy approach have posed new challenges where crystallization becomes a key process for success. Due to the demand of high-quality products, new developments on the process designs, modelling and measuring techniques have been done to better control supersaturation and, therefore, nucleation and growth. This Special Issue on “Advances and New Directions of Crystallization Processes” seeks high-quality works focusing on the latest novel advances on crystallization technology. Topics include, but are not limited to:

- (i) development of novel measuring techniques,
- (ii) process integration towards lower energy consumption and zero liquid–solid discharge,
- (iii) urban and water mining for recovery of materials.





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