**Applications of Crystallization Science and Engineering to Industrial Processes**

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**Highlights**

* Thermodynamics and kinetics
* Diastereomeric and enantiomeric separations
* PAT applications

**1. Introduction**

A challenge in the translation of academic research into industrial applications is achieving alignment between the requirements for academic rigor and originality and the industrial demands for minimizing cost and time while maximizing quality.

In this presentation, examples of efforts to streamline the implementation of complex crystallization methods in addressing industrial crystallization challenges will be presented.