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Computational and Experimental Study of Granulation in Fluidized Beds

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Deadline for manuscript submissions:
closed (20 August 2023)

Message from the Guest Editors

This Special Issue on "Computational and Experimental Study of Granulation in Fluidized Beds" aims to gain a deeper insight into the effect of different process parameters on the micro and transport processes in fluidized beds and the resulting granule properties structures, which is invaluable for the production of tailor-made particles. For this, knowledge on novel experimental and simulation methods is required.

Suitable topics include but are not limited to:

- Characterization methods for granule properties;
- Characterization methods for fluid and particle dynamics in wet gas-solid fluidized beds;
- Population balance modeling;
- Flowsheet simulation;
- CFD/DEM simulations;
- Heat and mass transfer in spray fluidized beds;
- Influence of drying on granulation;
- Adhesive forces and binding mechanism during granulation;
- Modeling and scale-up of fluidized bed spray granulation.

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Message from the Editor-in-Chief

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