



## Thermal Safety of Chemical Processes

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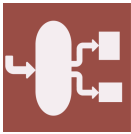
### Message from the Guest Editors

In this Special Issue, “Thermal Safety of Chemical Processes”, we wish to present the diversity of this research area and focus on the research efforts regarding prevention and protection against thermal runaway incidents. Topics include, but are not limited to, the following:

- Thermal analysis and calorimetry for measurements of thermal or thermal risk parameters (specific heat capacity,  $TMR_{ad}$ ,  $\Delta T_{ad}$ , ...) —development of kinetic and thermodynamic models;
- Modeling of thermal runaway phenomena in chemical reactions, description or simulation of accident scenarios due to thermal runaways;
- Thermal risk analysis—development of risk matrix, new thermal risk parameters, and definition of assessment criteria;
- Development of safety barriers and prevention in the case of thermal runaway—rupture disks, early warning detection systems, and temperature control;
- Early detection of thermal runaway, diagnosis of the causes of thermal runaway;
- Robust or smart control for thermal runaway, operation reconfiguration;

Contributions in the form of full-length articles, short communications, and reviews are all welcome.





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## Editor-in-Chief

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## Message from the Editor-in-Chief

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