



## Industrial Chemistry Reactions (3rd Edition): Kinetics, Mass and Heat Transfer in View of the Industrial Reactors Design

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submissions:

**30 May 2024**

### Message from the Guest Editors

Dear Colleagues,

We would like to promote the publication of innovative approaches to catalysis, kinetics, mass and heat transfer, reactor design and simulation, and scale-up from laboratory to industrial plant. In particular, the publication of reviews on new trends and advances in the abovementioned fields are encouraged.

The aim of this proposed Special Issue is to collect contributions from experts worldwide in the field of industrial reactors design based on kinetic and mass transfer studies. The following areas/topics will be covered:

- Kinetic studies for complex reaction schemes (multiphase systems);
- Kinetics and mass transfer in multifunctional reactors;
- Reactions in a mass transfer dominated regime (fluid–solid and intraparticle diffusive limitations);
- Kinetics and mass transfer modeling with alternative approaches (e.g., stochastic modeling);
- Pilot plant and industrial-size reactor simulation and scale-up based on kinetic studies (lab-to-plant approach).





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## Message from the Editor-in-Chief

*Processes* (ISSN 2227-9717) provides an advanced forum for process/system-related research in chemistry, biology, material, energy, environment, food, pharmaceutical, manufacturing and allied engineering fields. The journal publishes regular research papers, communications, letters, short notes and reviews. Our aim is to encourage researchers to publish their experimental, theoretical and computational results in as much detail as necessary. There is no restriction on paper length or number of figures and tables.

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