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Modelling, Optimization and Control of Nonlinear Processes

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Deadline for manuscript submissions:
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Message from the Guest Editors

In recent years, novel hybrid techniques involving first principles theory, empirical approaches, data-based regression and artificial- intelligence-based methods are being actively studied by researchers to handle the modelling of such nonlinear systems. Since the optimization and control of these nonlinear systems, in many cases, also depend on the accuracy of the models obtained, advanced research activities in these fields are also going through rapid development in research.

This Special Issue aims to collect recent and high-quality research studies and review addressing these challenges. Topics include, but are not limited to, the following:

- The development of improved modelling and hybrid methods for nonlinear processes
- The development of advanced system identification and observers for nonlinear processes
- Optimization techniques for nonlinear processes
- The development of advanced control strategies for nonlinear processes
- Online validation for modelling and control techniques for nonlinear processes
- Review papers related to the above topics

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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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