Application AI in Chemical Engineering

Guest Editors:

Prof. Dr. Xu Ji
School of Chemical Engineering, Sichuan University, Chengdu 610065, China

Dr. Yiyang Dai
School of Chemical Engineering, Sichuan University, Chengdu 610065, China

Dr. Li Zhou
School of Chemical Engineering, Sichuan University, Chengdu 610065, China

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Message from the Guest Editors

With the rapid development of industrial informatization, data-driven modeling and analysis techniques such as big data and artificial intelligence have been paid much attention and applied in research and practices of chemical processes, such as process modeling and process safety analysis. There are still many challenges that need to be studied and resolved to facilitate further applications of AI in industrial productions.

This Special Issue on "Application AI in Chemical Engineering" aims to gather outstanding research and provide comprehensive coverage of all aspects related to the applications of AI in chemical engineering, and it will bring together high-quality research articles on the different aspects of AI technology in chemical engineering, including current status and remaining challenges. Topics include, but not are limited to, the following:

- Theoretical investigations and numerical experiments for data-driven process modeling;
- AI-based fault detection and diagnosis methods and industrial applications;
- Intelligent manufacturing for chemical processes.

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Special Issue

Editor-in-Chief

Prof. Dr. Giancarlo Cravotto
Department of Drug Science and
Technology, University of Turin,
Via P. Giuria 9, 10125 Turin, Italy

Message from the Editor-in-Chief

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