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Chemical Process Risk Assessment

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Deadline for manuscript
submissions:

closed (25 November 2023)

Message from the Guest Editor

This Special Issue of our journal is dedicated to bringing together the latest research and developments in chemical process risk assessment to advance our understanding of this critical field. We invite researchers and practitioners to submit their latest findings, insights, case studies, and best practices to contribute to this important discourse. The Special Issue will provide a platform for exchanging knowledge and ideas and will help shape the future of chemical process risk assessment in the years to come. The topic includes, but is not limited to, the following:

- Hazard identification and analysis in chemical processes.
- Risk assessment methods and techniques, including HAZOP, FMEA, FTA, and QRA.
- Human factors in chemical process safety, including operator error and behavior.
- Emergency response planning and management.
- Process safety management systems and regulations.
- Safety culture in chemical plants.
- Emerging technologies for chemical process risk assessment, such as digital twins, artificial intelligence, and machine learning.
- Case studies and best practices in chemical process safety.



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Special Issue



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Message from the Editor-in-Chief

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