

Special Issue

Safety and Analysis

Message from the Guest Editor

The complexity in modern industrial systems is steadily on the increase, and this created a series of new hazards and increases the risk associated with the operations of a systems. Complexity poses a high risk due to the negligence of the principle of inherent safety and it has caused major industrial accidents in the recent past, resulting into economic losses, environmental degradation, and human losses.

Analyzing the safety and reliability of these complex process systems is both challenging and demanding due to system dynamics. In complex industrial systems, accident causation is normally due to nonlinear interactions of various contributory factors. More often than not, process operational hazards do not usually get adequate attention in risk assessment and analysis. The safety and integrity of industrial systems are of paramount importance; therefore, a concerted effort is needed from all and sundry involved in these endeavours. To tackle this development, extensive research is needed in the area of risk assessment and the analysis of chemical process systems.

Guest Editor

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Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

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Editor-in-Chief

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