



## Safety and Analysis

Guest Editor:

### Dr. Faisal Khan

Faculty of Engineering & Applied  
Science, Centre for Risk, Integrity  
and Safety Engineering (C-RISE),  
Memorial University, St. John's,  
Canada

Deadline for manuscript  
submissions:

**closed (30 April 2019)**

### 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.





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Paul B. Tchounwou**

RCMI Center for Urban Health  
Disparities Research and  
Innovation, Richard Dixon  
Research Center, Morgan State  
University, 1700 E. Cold Spring  
Lane, Baltimore, MD 21251, USA

## Message from the Editor-in-Chief

Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Discovery and advances in this research field play a critical role in providing a scientific basis for decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards. *IJERPH* provides a forum for discussion of discoveries and knowledge in these multidisciplinary fields. Please consider publishing your research in this high quality, peer-reviewed, open access journal.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, PubMed, MEDLINE, PMC, Embase, GEOBASE, CAPus / SciFinder, and other databases.

**Journal Rank:** CiteScore - Q1 (Public Health, Environmental and Occupational Health)

## Contact Us

---

*International Journal of  
Environmental Research and Public  
Health* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/ijerph  
ijerph@mdpi.com  
X@IJERPH\_MDPI