

Special Issue

Integrating Engineering in Rapid, On-demand Production of Countermeasures Against Biological Threats

Message from the Guest Editor

Naturally-occurring, accidental or deliberate biological threats are among the most serious perils the world is facing today. Despite the integration of engineering and life sciences in advancing the speed of detection, identification, and sequencing of toxins/infectious agents/pathogens over the past few decades, what is still lacking, as evidenced by recent viruses outbreaks of Ebola virus, pathogenic avian influenza, and the recent emergence of Zika and coronavirus, is our ability to rapidly respond with the needed countermeasures (therapeutics, vaccines, antimicrobials, and diagnostics). In this planned Special issue, the guest editors aim to call on state-of-the-art research works on engineering recent innovations in production/automation countermeasures and scale-up.

Guest Editor

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Deadline for manuscript submissions

closed (31 December 2020)



International Journal of Environmental Research and Public Health

an Open Access Journal
by MDPI

CiteScore 8.5
Indexed in PubMed



mdpi.com/si/42390

*International Journal of
Environmental Research and
Public Health*

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About the Journal

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.

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 journal.

Editor-in-Chief

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