



Operational Medicine Applications of Bioengineering

Guest Editors:

Dr. Vincent Ho

F. Edward Hebert School of
Medicine, Uniformed Services
University of the Health Sciences,
4301 Jones Bridge Road,
Bethesda, MD 20814, USA

Dr. J. Kenneth Wickiser

Heilbrunn Department of
Population and Family Health,
Mailman School of Public Health,
Columbia University, 722 West
168th St., New York, NY 10032,
USA

Deadline for manuscript
submissions:

31 May 2024

Message from the Guest Editors

Dear Colleagues,

Operational medicine refers collectively to the delivery of healthcare under a wide range of challenging conditions including austere environments, conflict or war zones, climate change-forced migrations, extreme weather conditions such as arctic freeze and oppressive heat waves, and natural disasters such as hurricanes and earthquakes. Operational medicine is a concern for military medicine, rural medicine, disaster medicine, or any field which includes the delivery of health care under potentially extreme conditions with limited resources. Advances in bioengineering promise to solve the various issues encountered in operational medicine, enabling the proper monitoring of human health, the detection of environmental exposures, providing novel therapies, or even preventing injury.

This Special Issue invites papers that show advances in bioengineering that can benefit operational medicine by improving the prevention, delivery, detection, and/or treatment of injuries common to austere conditions.

Dr. Vincent B. Ho

Dr. J. Kenneth Wickiser

Guest Editors



mdpi.com/si/165835

Special Issue



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Anthony Guiseppi-Elie

Department of Biomedical
Engineering, Texas A&M
University, College Station, TX
77843, USA

Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Bioengineering* (ISSN 2306-5354). *Bioengineering* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. *Bioengineering* provides an advanced forum for the science and technology of bioengineering. We would be pleased to welcome you as one of our authors.

Author Benefits

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

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [PMC](#), [CAPlus / SciFinder](#), [Inspec](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Engineering, Biomedical*)

Contact Us

Bioengineering Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

mdpi.com/journal/bioengineering
bioengineering@mdpi.com
[X@Bioeng_MDPI](https://twitter.com/Bioeng_MDPI)