

## Special Issue

# Biomedical Engineering Approaches for Non-Invasive Monitoring in Hypovolemia and Hypotension

### Message from the Guest Editors

This Special Issue, titled “Biomedical Engineering Approaches for Non-Invasive Monitoring in Hypovolemia and Hypotension”, highlights novel methodologies and experimental validation of approaches to non-invasively track a patient’s clinical status. Topics of interest for this Special Issue include, but are not limited to, the following research areas:

- Continuous non-invasive vital sign measurement techniques during progressive hypotension, such as those associated with traumatic hemorrhage;
- Machine learning models for improved physiological tracking of a patient’s clinical condition using non-invasive vital sign measurements;
- Deep learning artificial intelligence techniques for estimating compensatory status or casualty triage state;
- Experimental verification and validation of non-invasive blood pressure measurement techniques;
- In vivo animal or clinical study analysis of advanced monitoring metrics for estimating physiological status.

Any methods or technologies may be considered relevant if they rely on non-invasive monitoring to provide continuous estimations of physiological status and show potential for application in hypotensive and/or hypovolemic patient management.

### Guest Editors

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### Deadline for manuscript submissions

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### Editor-in-Chief

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