

Special Issue

Precision Monitoring in Critical Care: Innovations and Impacts on Patient Care

Message from the Guest Editor

Precision monitoring is rapidly transforming the landscape of critical care medicine. In this Special Issue, we invite original research articles, reviews, and commentaries that address the latest innovations, clinical applications, and real-world impacts of precision monitoring in critical care. We welcome submissions on topics such as the following:

- Novel sensor technologies and wearable devices for critical care monitoring;
- Artificial intelligence and machine learning applications in patient monitoring;
- Integration of multimodal data for the early detection of clinical deterioration;
- Clinical trials evaluating the impact of precision monitoring on patient outcomes;
- Implementation science and barriers to adoption in critical care environments;
- Ethical, legal, and economic considerations in precision monitoring;
- Case studies highlighting the successful integration of precision monitoring solutions.

We look forward to your valuable contributions to this Special Issue, which will advance the science and practice of precision monitoring for the benefit of critically ill patients and the broader healthcare community.

Guest Editor

Dr. Ecaterina Scarlatescu

Department of Anesthesia and Intensive Care "Carol Davila", Fundeni Clinical Institute, University of Medicine and Pharmacy Bucharest, 322028 Bucharest, Romania

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Healthcare
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
healthcare@mdpi.com

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About the Journal

Message from the Editor-in-Chief

Healthcare is an international, peerreviewed, open access, multidisciplinary journal. Original research articles, short communications, review articles, and symposium highlights are welcomed.

Healthcare hopes to influence global health and disease aspects, and hopes to gain high visibility and acceptance by the scientific and healthcare community and will dedicate itself to covering special and specific topics in special issues.

We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Lorraine S. Evangelista

Sue & Bill Gross School of Nursing, University of California, Irvine, CA
92697, USA

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 22.4 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the second half of 2025).