

## Special Issue

# Clinical Advances in Cardiopulmonary Bypass Surgery: Innovations and Impacts on Patient Outcomes

### Message from the Guest Editors

The cardiopulmonary bypass has revolutionized cardiac surgery for decades, allowing for complex procedures to be performed. However, the field has witnessed significant advancements in recent years, driven by technological innovations, an improved understanding of physiological processes, and the pursuit of better patient outcomes. This Special Issue aims to explore cutting-edge advancements in cardiopulmonary bypass, focusing on how recent innovations have improved clinical outcomes and the quality of care in cardiac surgery. We invite contributions on topics such as innovative or minimally invasive CPB techniques, patient monitoring systems, hemodynamic optimization, and novel approaches to managing complications and postoperative care. We encourage researchers to submit their original research, comprehensive reviews, clinical studies, and case reports that offer practical solutions or novel insights into cardiopulmonary bypass.

*Assistants*

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### Guest Editors

Prof. Dr. Irina-Luliana Costache  
Dr. Ștefania-Teodora Duca  
Dr. Lucian Stoica

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### Deadline for manuscript submissions

closed (31 January 2026)



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Prof. Dr. Edgaras Stankevičius  
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