

Special Issue

New Advances in Cardiothoracic Surgery: Personalized Treatment and Management

Message from the Guest Editors

The field of cardiothoracic surgery has witnessed significant advancements in recent years, driven by the integration of innovative technologies and personalized approaches to patient care. This Special Issue aims to explore the latest developments in cardiothoracic surgery, highlighting the role of personalized medicine in optimizing patient outcomes.

Personalized treatment in cardiothoracic surgery is transforming the traditional one-size-fits-all approach by incorporating patient-specific data to inform clinical decision making. The integration of precision diagnostics, minimally invasive techniques, and advanced surgical planning facilitates more accurate and effective interventions. Moreover, advancements in perioperative care and postoperative management contribute to enhanced recovery and reduced complication rates.

In this Special Issue, we compile original research articles, reviews, and clinical case studies that demonstrate the current state and future directions of personalized cardiothoracic surgery. Topics include novel biomarker-driven therapies, the role of artificial intelligence in surgical planning, and individualized rehabilitation protocols.

Guest Editors

Dr. Georgios Georghiou

1. Department of Cardiothoracic Surgery, Aretaeio Hospital, 2414 Nicosia, Cyprus
2. Medical School, European University Cyprus, 2404 Nicosia, Cyprus
3. Department of Surgery, Sackler Faculty of Medicine, Tel Aviv University, Tel Aviv 6997801, Israel

Prof. Dr. Filippos Triposkiadis

Department of Cardiology, University Hospital of Larissa, Faculty of Medicine, School of Health Sciences, University of Thessaly, Biopolis, 41500 Larissa, Greece

Deadline for manuscript submissions



Journal of Personalized Medicine

an Open Access Journal
by MDPI

CiteScore 6.0
Indexed in PubMed



mdpi.com/si/241914

*Journal of Personalized
Medicine*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jpm@mdpi.com

mdpi.com/journal/

jpm





Journal of Personalized Medicine

an Open Access Journal
by MDPI

CiteScore 6.0
Indexed in PubMed



mdpi.com/journal/

jpm



About the Journal

Message from the Editor-in-Chief

Journal of Personalized Medicine is one of the few journals that covers the diverse areas involved in the field, including research at basic, translational, and clinical levels. It focuses on “omics”-level studies that seek to define the basis of interindividual variation in susceptibility for a disease, its prognosis or definition of clinical subsets, and response to therapy (pharmacogenomics). We are also interested in systems biology as it relates to interindividual variation, and research on new methodologies, informatics, and biostatistics, in the aforementioned areas.

Editor-in-Chief

Prof. Dr. Kenneth P.H. Pritzker

Department of Laboratory Medicine and Pathobiology, Department of Surgery, University of Toronto, 6 Queens Pk Crescent W.F, Toronto, ON M5S 3H2, Canada

Author Benefits

High Visibility:

indexed within Scopus, PubMed, PMC, Embase, and other databases.

Journal Rank:

CiteScore - Q1 (Medicine (miscellaneous))

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 25 days after submission; acceptance to publication is undertaken in 5.8 days (median values for papers published in this journal in the second half of 2025).