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International Journal of Medical Devices



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Message from the Editor-in-Chief

The *International Journal of Medical Devices* (*IJMD*) was established to provide a dedicated forum for high-quality research spanning the complete lifecycle of medical devices—from innovative concepts and engineering design to preclinical validation, clinical translation, regulatory science, manufacturing, and real-world implementation. Our mission is to bridge engineering, medicine, industry, and regulatory perspectives to accelerate the translation of promising technologies into devices that improve patient care. We welcome interdisciplinary contributions on implantable, wearable, diag-nostic, therapeutic, and digital medical devices, as well as studies addressing safety, performance, usability, and com-mercialization. Together with our authors, reviewers, and Editorial Board, we are committed to building *IJMD* into a trusted platform for advancing medical device research and innovation.

Editor-in-Chief
Prof. Dr. Keat Ghee Ong

Aims

International Journal of Medical Devices (ISSN 3042-8890) is an international, peer-reviewed, open access journal dedicated to advancing medical device research and development across the full spectrum of innovation—from early-stage con-cepts and fundamental studies to clinical application and real-world implementation.

The journal serves a broad community spanning academia, industry, clinical practice, and regulatory science. We wel-come contributions ranging from foundational research to applied engineering, validation, and practice-oriented studies, with emphasis on work that supports the translation of medical devices into safe, effective, and widely adopted healthcare solutions.

Scope

The journal seeks high-quality contributions related, but not limited, to the following areas:

- Device Innovation and Fundamental Research
  - Early-stage concepts, proof-of-concept studies, and prototype development;
  - Novel materials, sensing modalities, and actuation mechanisms;
  - Computational modeling and design optimization;
  - Emerging technologies in biomedical engineering.
- Device Design, Engineering, and Integration
  - Implantable, wearable, and diagnostic devices;
  - Surgical instruments and interventional systems;
  - Human–machine interfaces and digital integration;
  - System-level design and performance optimization.
- Preclinical and Clinical Evaluation
  - Bench testing and experimental validation;
  - Preclinical models and translational studies;
  - Clinical studies, usability, and human factors engineering;
  - Real-world evidence and post-market evaluation.

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July 2026