

## *Call for Papers*

### ***Special Issue: Innovative Information Systems and Project Management for Healthcare Operations and Supply Chain Management***

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#### *Aims and Scope*

The healthcare sector is undergoing a profound transformation driven by increasing demand for quality services, resource constraints, aging populations, and unpredictable public health emergencies. Managing healthcare operations and supply chains efficiently and sustainably has become critical in ensuring timely, equitable, and cost-effective care delivery. The integration of information systems, data-driven decision-making, and project management methodologies into healthcare logistics and operations has gained unprecedented importance.

This special issue aims to bring together researchers, practitioners, and policymakers to explore contemporary challenges, innovations, and solutions in healthcare operations and supply chain management. We seek contributions that address both theoretical and practical dimensions, highlighting the role of digital technologies, information systems, optimization and project management tools in enhancing healthcare service delivery.

The special issue invites original research articles, case studies, review papers, and conceptual papers that demonstrate innovative models, data analytics approaches, and real-world applications at the intersection of healthcare operations, logistics, information systems, and project management.

**Topics addressed** may include but are not limited to:

- Healthcare Operations and Logistics
  - Patient flow optimization and scheduling
  - Hospital resource planning and management
  - Emergency department and ICU operations
  - Home healthcare routing and scheduling
  - Operating room and surgical scheduling

- Healthcare Supply Chain Management
  - Inventory control in hospitals and pharmacies
  - Vaccine and pharmaceutical distribution planning
  - Cold chain logistics and temperature-sensitive supplies
  - Medical waste management and sustainability
  - Resilience and risk management in healthcare supply chains
- Information Systems in Healthcare
  - Electronic health record (EHR) systems and integration
  - IoT and sensor-based healthcare monitoring
  - AI and machine learning in healthcare operations
  - Blockchain applications in healthcare logistics
  - Decision support systems for healthcare management
- Project and Change Management
  - Implementation of digital health systems
  - Managing technology-driven change in hospitals
  - Evaluation of healthcare IT projects
  - Agile methodologies in health IT deployment
- Data-Driven and Optimization Approaches
  - Mathematical and simulation models for healthcare logistics
  - Multi-criteria decision-making in healthcare planning
  - Predictive analytics and demand forecasting
  - Optimization techniques for resource allocation
  - Metaheuristics and hybrid models in healthcare problem-solving
- Policy, Ethics, and Governance
  - Data privacy and ethical considerations in healthcare IS
  - Policy modelling for public health supply chains
  - Governance of inter-organizational healthcare networks
  - Compliance with healthcare regulations and standards (e.g., HIPAA, GDPR)
  - Benchmarking best practices in healthcare operations and digital transformation
  - Ethical and legal frameworks for health IT adoption and interoperability

### ***Deadlines***

Deadline for tentative Abstract submission (optional): September 30, 2025

Deadline for full paper submission: January 31, 2026

Notification of initial acceptance: April 15, 2026

Deadline for revised papers: June 15, 2026

Notification of final acceptance: July 31, 2026

Tentative publication date: October 31, 2026

### ***Paper Submission Instructions and Review Process***

The guidelines for submission and information about the review process can be found at the journal's website: <https://ijispm.sciencesphere.org/index.php?p=submissions>

When submitting your paper, please mention the special issue (topic).

Authors are encouraged to submit an extended abstract of 700-800 words that clearly states the main argument, theoretical underpinning, methodology, data/evidence of the paper and the primary literature it is building upon. The abstract must comply with the publication ethics and mission of IJISPM. The Abstracts are due September 30, 2025, to [Vitor.Basto.Fernandes@iscte-iul.pt](mailto:Vitor.Basto.Fernandes@iscte-iul.pt), [michael.t.m.emmerich@jyu.fi](mailto:michael.t.m.emmerich@jyu.fi), [soumen.s.atta@jyu.fi](mailto:soumen.s.atta@jyu.fi) (with “*Special Issue: IISPM-HOSCM at IJISPM*” in the subject line) and should be accompanied by an abbreviated biography (approx. 200-300 words).

Positively reviewed abstracts will be notified by October 30, 2025, and invited to submit full articles by January 31, 2026, through <https://ijispm.sciencesphere.org/>. The full articles will be considered for acceptance after being peer-reviewed by at least three reviewers.