

Special Issue

Operations Management in Healthcare Systems

Message from the Guest Editor

Healthcare systems are becoming increasingly complex, necessitating innovative approaches to improve system design, operational efficiency, and decision-making processes. Integrating methodologies such as system dynamics, simulation, and machine learning provides new opportunities to address these complexities. Tools like time series models and data-driven decision-making frameworks also play pivotal roles in predicting demand patterns, managing uncertainty, and boosting productivity and efficiency. Together, these advanced approaches enable more effective healthcare management by supporting the development of performance-based contract mechanisms, enhancing estimation methods, and optimising resource allocation. This Special Issue seeks to bridge the gap between theory and practical applications in healthcare management. We welcome submissions that leverage emerging methodologies to address critical challenges and improve healthcare system design, operations, and decision-making.

Guest Editor

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Message from the Editor-in-Chief

Systems is a leading venue for the quick and global dissemination of results of cutting-edge research in various areas of systems science and systems-related fields. An increasing number of researchers are realizing the enormous potential of systems thinking in managing the many unprecedented and complex issues in all areas of need. The *Systems* journal provides a home of exceptional quality for the manuscripts of these researchers who often find it difficult to publish their work in conventional discipline focused journals.

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