

## Special Issue

# Advances in the Modeling and Analytics of Health and Healthcare Systems

### Message from the Guest Editor

This Special Issue welcomes contributions that employ sophisticated modeling frameworks, data-driven analytics, and interdisciplinary approaches to address challenges in healthcare delivery, resource optimization, patient outcomes, and public health. For instance, we encourage studies showcasing the efficacy of predictive modeling in identifying high-risk patient populations for targeted interventions, thereby fostering improved care coordination and reduced healthcare costs. Moreover, we welcome contributions spotlighting machine learning applications that exhibit promise in analyzing large-scale healthcare datasets to unveil hidden patterns and correlations, paving the way for more personalized treatment strategies and enhanced patient outcomes. Topics of interest include, but are not limited to, predictive modeling, machine learning applications, simulation studies, and network analyses, providing a comprehensive exploration of the tools and methodologies shaping the future of health system research. For detailed information, please visit: [mdpi.com/journal/systems/special\\_issues/SKCW197U8](https://mdpi.com/journal/systems/special_issues/SKCW197U8)

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### Guest Editor

Dr. Mahmoud Elbattah

1. Faculty of Environment and Technology, University of the West of England, Bristol BS16 1QY, UK
2. Laboratoire Modélisation, Information, Systèmes (MIS), University of Picardie Jules Verne, 80080 Amiens, France

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### Deadline for manuscript submissions

closed (28 February 2026)



## Systems

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*Systems*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[systems@mdpi.com](mailto:systems@mdpi.com)

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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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### Editor-in-Chief

Prof. Dr. Ben Clegg  
Operations & Service Management Department, Aston Business  
School, Birmingham B4 7ET, UK

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