

## Special Issue

# Application of Artificial Intelligence in Sustainable Manufacturing

### Message from the Guest Editors

This Special Issue is devoted to the development of advanced AI and data science solutions for a broad range of sustainable manufacturing, which requires simultaneous consideration of economic, environmental, and social aspects during the manufacturing process. Such efforts are importantly beneficial for the sake of deeper understanding of the optimal operational structure of manufacturing systems to achieve the goal of sustainable world. Our objective with this Special Issue is to collect papers that explore recent researches into the concepts, methods, tools, models and applications of artificial intelligence for sustainable manufacturing. Vast area of research topics are interest of this Special Issue including; life cycle engineering; cleaner production; green manufacturing; AI for sustainable solutions; sustainable manufacturing development; smart factories; high-efficiency manufacturing processes; industrial energy use and efficiency; renewable energy manufacturing; resources and energy management, and related topics.

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### Guest Editors

Prof. Dr. Kumaran Kadirgama

Mechanical and Automotive Engineering Technology, Universiti Malaysia Pahang, Pekan 26600, Pahang, Malaysia

Dr. Navid Aslfattahi

Department of Fluid Mechanics and Thermodynamics, Faculty of Mechanical Engineering, Czech Technical University in Prague, Technická 4, 160 00 Prague, Czech Republic

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### Deadline for manuscript submissions

closed (30 April 2025)



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

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I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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## Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University,  
Columbus, OH 43210, USA

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