Artificial Intelligence (AI) and Machine Learning for Foods

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Message from the Guest Editors

Dear Colleagues,

Artificial intelligence (AI) is becoming increasingly integral to advancements in food research, offering precise and efficient solutions to complex challenges and this Special Issue focuses on the application of AI in food safety, quality control, nutrition, and production, presenting research that employs AI techniques to address critical issues in the field. Topics include but are not limited to the applications of machine learning and deep learning methods in foodborne pathogen detection, metagenomics, food quality inspection, 3D printing of food materials, precise nutrition, and food process optimization and validation. This Special Issue aims to highlight the significant impact of AI in food science and engineering research, encouraging the integration of these technologies to advance food safety, quality, nutrition, and sustainability.

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Special Issue

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Message from the Editor-in-Chief

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