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# **Advanced Machine Learning in Agriculture**

Guest Editors:

### Dr. Paul Kwan

School of Engineering and Technology, CQUniversity Brisbane, 160 Ann St., Brisbane City, QLD 4000, Australia

### Dr. Jing Zhou

Department of Crop and Soil Science, Oregon State University, Corvallis, OR 97331, USA

### Dr. Beibei Xu

Department of Population Medicine and Diagnostic Sciences, Cornell University, Ithaca, NY 14850, USA

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# **Message from the Guest Editors**

Responding to an era marked by the relentless pursuit of innovation and sustainability in farming practices, this collection of articles delves into the transformative potential of artificial intelligence, specifically machine learning and deep learning techniques, in revolutionizing the agricultural landscape.

Machine learning, with its ability to process vast datasets and uncover hidden patterns, enables us to make sense of the intricate web of factors that affect agricultural production. Whether predicting crop yields with unprecedented accuracy, identifying and managing pest infestations, optimizing resource allocation, or enhancing the breeding of resilient crops, machine learning empowers us to make informed decisions that drive efficiency, sustainability, and profitability in agriculture.

We welcome contributions that encompass smart farming, precision agriculture, and data-driven solutions across the agricultural spectrum. Our contributors include esteemed researchers and practitioners from around the globe, each offering valuable insights into the dynamic field of advanced machine learning in agriculture.











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# Prof. Dr. Peter Langridge

School of Agriculture, Food and Wine, University of Adelaide, Urrbrae, SA 5064, Australia

# Message from the Editor-in-Chief

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