

Special Issue

Artificial Intelligence in Seed Quality Assessments

Message from the Guest Editors

Seed quality assessment is a cornerstone of modern agriculture, playing a pivotal role in optimizing crop productivity, ensuring food security, and advancing sustainable farming practices. Recent breakthroughs in artificial intelligence (AI) have revolutionized this field by enabling the rapid, precise, and non-destructive evaluation of seed characteristics. This Special Issue, titled "Artificial Intelligence in Seed Quality Assessments", seeks to consolidate cutting-edge research and innovations that harness AI technologies to enhance seed quality analysis and management. By bridging advanced computational methods with agricultural science, this collection aims to drive the development of intelligent tools for next-generation seed evaluation systems.

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Plants is an open access journal which provides an advanced forum for research findings in areas related to plant function, its physiology, biology, taxonomy, stresses, and its interactions with other organisms. It publishes original research articles, reviews, reports, conference proceedings (peer reviewed full articles) and communications. In original research papers, it is important that full experimental details are provided. We also encourage timely reviews and commentaries on topics of interest to the plant research community.

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