

Special Issue

Progress in Multi-omics and Bioinformatics Approaches: Seed Microbiome and Metagenome

Message from the Guest Editors

This Special Issue explores the dynamic field of seed microbiome research, leveraging advanced multi-omics and bioinformatics methodologies. Traditional culture-based techniques have given way to high-throughput sequencing and bioinformatics tools, allowing for comprehensive analyses of the microbial diversity, community structure, and functional interactions of seeds. We are inviting original research articles and reviews of seed microbiome and metagenome research. Topics of interest include but are not limited to microbial diversity across different seed types, the functional roles of seed-associated microbes, environmental influences on seed microbiomes, technological innovations in multi-omics analyses, and implications for sustainable agriculture and food security. Overall, this Special Issue aims to foster interdisciplinary discussions, provide a platform for sharing state-of-the-art research, and drive future directions in leveraging seed microbiomes for agricultural improvement and environmental sustainability.

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About the Journal

Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Seeds* (ISSN 2674-1024). *Seeds* is an open access, peer-reviewed scientific journal that publishes original articles, critical reviews, research notes, and short communications on seed science. The scientific community and the general public can access the content free of charge as soon as it is published. We would be pleased to welcome you as one of our authors.

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