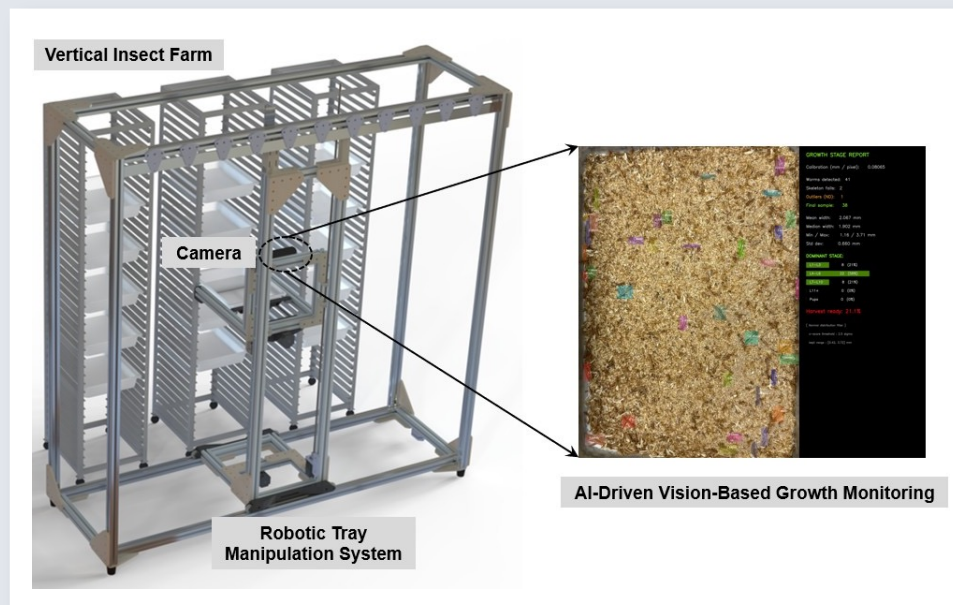


2025

**Frank G. and Janice B. Delfino
Agricultural Technology Research Initiative
University of California Riverside**



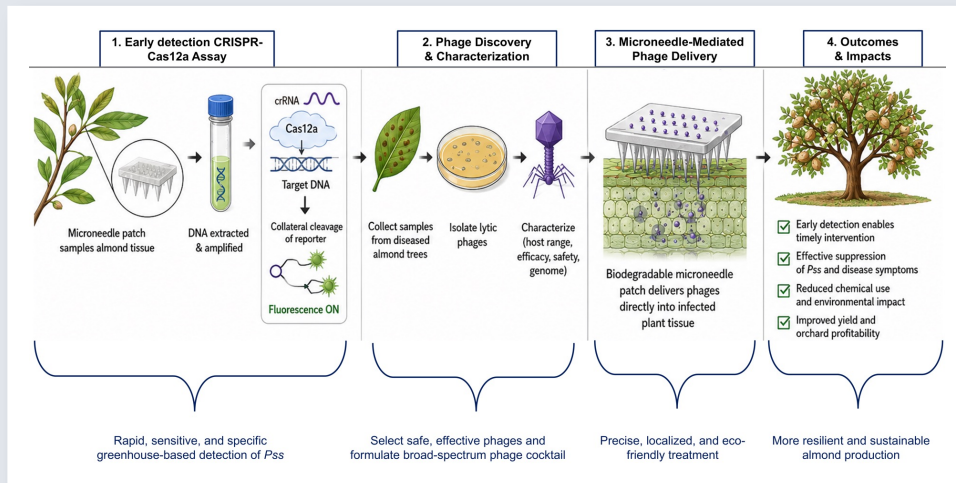
Feeding the Future: Robotics-Driven Vertical Insect Farming

Luciano Cosme, Entomology

Jun Sheng, Mechanical Engineering

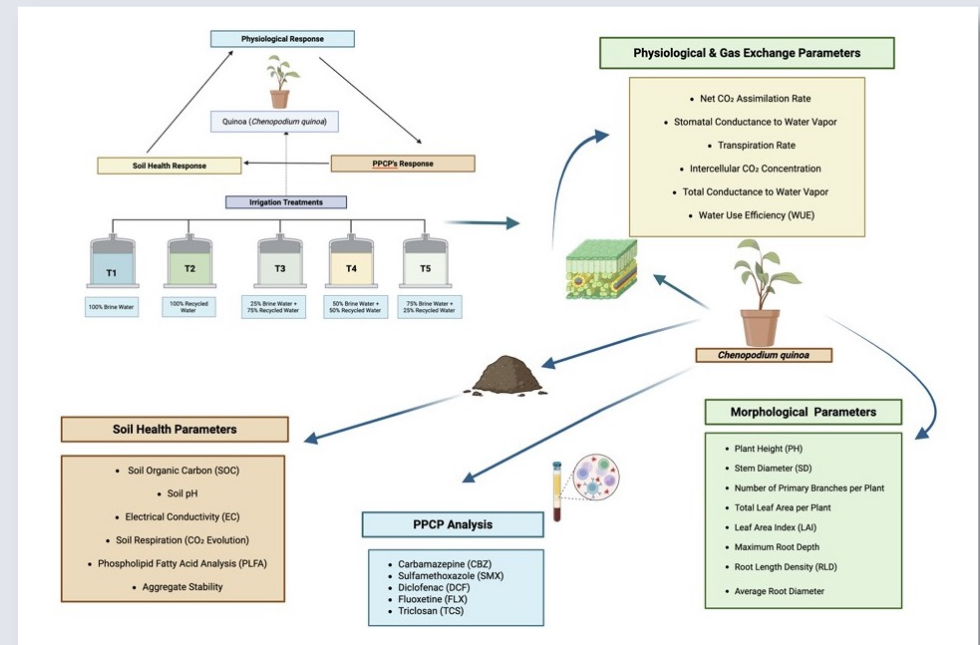
2025

Frank G. and Janice B. Delfino Agricultural Technology Research Initiative University of California Riverside



Early Detection and Biocontrol of Almond Bacterial Blast Using CRISPR-Cas12a and Microneedle-Mediated Phage Delivery

Olakunle Olawole, Botany and Plant Sciences
Juhong Chen, Bioengineering



Phytoremediation and Reuse of Inland Desalination Brine Blended with Treated Wastewater Using Halophytes

Saverio Perri, Environmental Sciences
Haizhou Liu, Chemical and Environmental Engineering