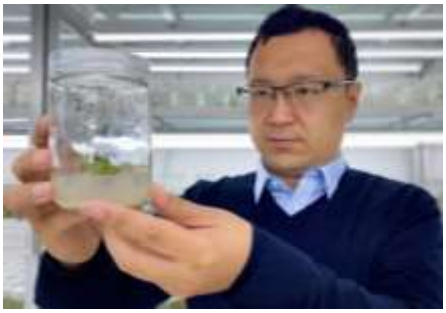
Università Politecnica delle Marche
Dipartimento di Scienze Agrarie, Alimentari ed Ambientali (D3A)
Laurea Magistrale – SCIENZE AGRARIE E DEL TERRITORIO (SAT)
Curriculum PRODUZIONE E PROTEZIONE DELLE COLTURE,
Curriculum GENOMICA, BIOTECNOLOGIE E BIODIVERSITA'
Doctoral program on Agriculture, Food and Environmental Sciences

UNIVPM-D3A - Shandong Academy of Agricultural Sciences, China

JULY 9th, 2024 – 10:30 ROOM D

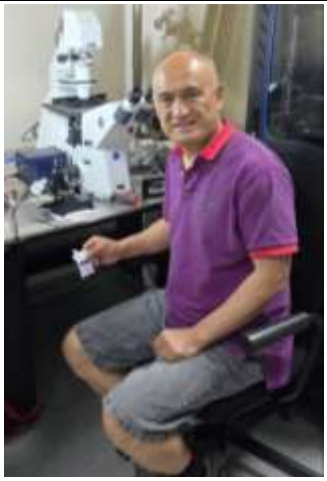
"The Current Status and Development of the Vegetable Industry in Shandong"

Associate Professor JUN FENG WANG - Deputy Director of the Vegetable Research Institute of Shandong Academy of Agricultural Sciences, China. Prof. Wang is currently the Deputy Director of the Vegetable Research Institute of the Shandong Academy of Agricultural Sciences and the Chief Expert of the Special Vegetable Breeding and Cultivation Innovation Team. In 2014, Wang went to Tennessee State University in the United States as a visiting scholar for one year. His research interest primarily involved in research related to the utilization and innovation of germplasm resources, breeding and cultivation, stress resistance and secondary metabolism in plants. Research focuses on efficient breeding and cultivation, mitigating factors for continuous cropping, and developing functional products for strawberries, sprouts and lettuce.



"Calcium-mediated Stress Sensing in Plants"

Associate Professor Zhenming Pei - Duke University, USA. Dr. Pei's research is focusing on the early signaling events by which plants sense environmental signals and decode to give the appropriate responses. Upon perception of external signals, cell surface receptors/sensors trigger increases in cytosolic free Ca2+ concentration, which are mediated by ion channels. Our long-term goals are to identify these receptors/sensors and ion channels, isolate their interacting components, and assign molecular functions to them. Ca2+-signaling-mediated sensors for osmolarity, salt, H2O2 and external Ca2+ have been identified through Ca2+-imaging-based genetic screens in the model plant Arabidopsis. These discoveries of cell-surface sensors will enable a profound understanding of how plants respond to environmental stresses, and provide potential molecular genetic targets for engineering crops with improved fitness to challengeable natural conditions especially under the global environment change



The seminars can also be followed online at this TEAMS link. At the end of the seminars there will be a presentation of some research programs active in the D3A – Department of Agriculture.

Per informazioni contattare: Prof. Bruno Mezzetti, email: b.mezzetti@staff.univpm.it - Tel. 071 220493

Delegation from Vegetable Institute, Shandong Academy of Agricultural Sciences, visiting Marche Polytechnic University July 9-12th, 2024..

Given Name	Surname	Title	Affiliation	Expertise
Junfeng 俊峰	Wang 王	Associate Prof/Deputy Director	Vegetable Institute, Shandong Academy of Agricultural Sciences	Exploration of Strawberry Germplasm Resources
Kaining 凯宁	Sun 孙	Associate Prof	Vegetable Institute, Shandong Academy of Agricultural Sciences	Research on Soil Fertilizers
Shu 庶	Zhang 张	Assistant Prof	Vegetable Institute, Shandong Academy of Agricultural Sciences	Developmental Biology of Strawberries
Zhenming	Pei	Associate Prof.	DUKE university USA	Plant sense environmental signals

Agricultural interests of the delegation: exploring modern breeding techniques, particularly for strawberries, lettuce, broccoli, and carrots. Additionally, tissue culture technology for strawberry virus elimination and have successfully integrated virus-free seedlings into our production process.