

Curriculum Vitae

Ozgur Altundas

N231, Beadle Center, City Campus,
University of Nebraska-Lincoln,
oaltundas2@huskers.unl.edu

EDUCATION

PhD	M.S.	B.S.
2025-Present	2023	2020
University of Nebraska-Lincoln Department of Agronomy and Horticulture Specialization in Plant Breeding Advisor: Prof. James Schnable	Gebze Technical University Institute of Biotechnology Specialization in Plant Biotechnology Advisor: Asst. Prof. U. Baris Kutman	Nigde Omer Halisdemir University Agricultural Genetic Engineering Specialization in Plant Breeding Advisor: Prof. M. Emin Caliskan
M.S. Thesis: An investigation of the mycorrhiza-like growth-promoting and stress tolerance-enhancing effects of <i>Piriformospora indica</i> on bread and durum wheat in relation to boron toxicity and salinity stress.		
B.S. Thesis: Screening of Potato Breeding Lines for PVY And PVX Resistance by Molecular Markers.		

EMPLOYMENT

Agricultural Genetic Engineer	Molecular Plant Biologist
2023-2024	2020-2022
Argeto Vegetable Seeds Company, TÜRKİYE Conducted research on disease resistance in vegetable breeding lines, focusing on screening and evaluation against major plant pathogens. Applied molecular and field-based approaches to identify resistant genotypes and contributed to the development of sustainable vegetable breeding strategies.	Gebze Technical University, TÜRKİYE Managed a research project investigating the growth-promoting and stress tolerance-enhancing effects of <i>P. indica</i> on bread and durum wheat under boron toxicity and salinity stress. Integrated molecular and physiological approaches to reveal underlying mechanisms and support the development of stress-resilient wheat.

AWARDS & SCHOLARSHIPS

Award / Scholarship	Organization / Institution	Date
1. Special Recognition Award	Argeto Vegetable Seeds	2024 June
2. YLSY PhD Scholarship	Republic of Türkiye Ministry of National Educ.	2024 May
3. 7. Plant Breeding Project Comp. Award	Antalya Technopark	3 rd place; 2023 Nov.
4. *TUBITAK 1001 Project Scholarship	*Scientific and Tech. Research Council of Türkiye	2020 Nov. -2022 Sept
5. Plant Breeding Assay Competition Award	Sub Union of Plant Breeder (BİSAB)	2020 June
6. Undergraduate Scholarship	Ayhan Sahenk Foundation	2015 Sept.-2020 July
7. Experience Sharing Program Scholarship	Turkish Cooperation and Coordination Agency	2019 July
8. Erasmus+ Grant for Internship	European Commission	2019 July

PATENT APPLICATION

Patent Name	Inventor	Patent Office	App. Date
Development of a Single Positive Control Which Can Be Used While Testing Resistance to Nine Tomato Diseases in Marker-Assisted Breeding Programs Using PCR-Based Molecular Markers	Ozgur Altundas	TURKPATENT	2024 April

CONFERENCE PAPERS

Abstract Title

1. Arbuscular Mycorrhizal Fungi and *Serendipita indica* Can Significantly Augment the Positive Effects of Each Other on the Growth, Yield and Mineral Uptake of Wheat
2. Development of Universal Positive Control to Enhance Accuracy and Validity of Marker-Assisted Selection in Tomato Breeding
3. Development of Pink-Fruited Hybrid Tomato Varieties Having High Iron Uptake and Retranslocation Efficiency Resistant to Tomato Spotted Wilt Virus (TSWV) and Tomato Yellow Leaf Curl Virus (TYLCV) by Genetic Biofortification and MAS
4. Increasing the Efficiency of Vegetable Crop Improvement Programs for Developing High-Yielding Vegetable Varieties Resistant to Plant Diseases: Simultaneous Utilization of Traditional and Modern Plant Breeding Techniques
5. Development of Pink-Fruited Tomato Resistant to Tomato Spotted Wilt Virus and Tomato Yellow Leaf Curl Virus by Marker Assisted Introgression
6. A Prospective Solution to Microplastic Pollution as a Rising Problem in Terrestrial Ecosystem: Genetic Manipulation of Microbial Decomposers
7. Biostimulant Effects of Inoculation with *Piriformospora indica* and Arbuscular Mycorrhizal Fungi on Wheat.
8. Inoculation of Wheat with the Endophytic Fungus *Piriformospora indica* Enhances Growth and Confers Tolerance to Salinity Stress and Boron Toxicity
9. Endophytic Fungus *Piriformospora indica* Enhance Plant Growth Under Salinity Stress and Boron Toxicity in Durum and Bread Wheat
10. Effects of *Piriformospora indica* and Arbuscular Mycorrhizal Fungi on Growth, Yield and Stress-Related Physiological Parameters of Bread and Durum Wheat Under Salinity Stress in the Absence or Presence of Boron Toxicity
11. Mediterranean Fruit Fly (*Ceratitis capitata*) Management with Sterile Insect Release Methods
12. Importance of Plant Breeding and Development of Plant Breeding Techniques
13. Proper Usage of Pesticides and Decreasing Amount of Pesticide Residues on Agricultural Crops
14. Recombinant DNA Technology and Application Areas

Conference

- The 6th Inter. Molecular Mycorrhiza Meeting, 25th-27th September 2023, Cambridge, UK.
- 7th Plant Breeding Project Competition 23 November 2023, Antalya, Turkey
- 7th Plant Breeding Project Competition 23 November 2023, Antalya, Turkey
- V. Balkan Agricultural Congress, 20-23 September 2023, Edirne, Türkiye
- V. Balkan Agricultural Congress, 20-23 September 2023, Edirne, Türkiye
- 2nd Inter. Graduate Studies Congress, 14-17 June 2023, Türkiye
- 2nd Inter. Plant Protection Congress, 17 May 2023, Bursa, Türkiye
- 4th Agri Balkan Congress, 1 September 2022, Edirne, Türkiye
- 2nd Inter. Graduate Studies Congress, 8 June 2022, Türkiye
- GTU Graduate Studies Symposium, 1 June 2022, Kocaeli, Türkiye
- 1st Inter. Mol. Plant Protec. Con. 10 April 201
- 1st Plant Breeding and Genetic Student Congress, 25 April 2018, Nigde, Türkiye
- 7th National Agricultural Student Congress, 3 May 2017, Konya, Türkiye
- 8th Agri. Student Congress with Int. Part., 25 April 2018, Nigde, Türkiye

Social Media Accounts

