

Curriculum Vitae

Ozgur Altundas

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EDUCATION

PhD	M.S.	B.S.
2025-Present	2023	2020
<i>University of Nebraska-Lincoln</i>	<i>Gebze Technical University</i>	<i>Nigde Omer Halisdemir University</i>
Department of Agronomy and Horticulture	Institute of Biotechnology	Agricultural Genetic Engineering
Specialization in Plant Breeding	Specialization in Plant Biotechnology	Specialization in Plant Breeding
Advisor: Prof. James Schnable	Advisor: Asst. Prof. U. Baris Kutman	Advisor: Prof. M. Emin Caliskan

M.S. Thesis: An investigation of the mycorrhiza-like growth-promoting and stress tolerance-enhancing effects of *Piriformospora indica* 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 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.	2020-2022 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

Conference

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| 1. Arbuscular Mycorrhizal Fungi and <i>Serendipita indica</i> Can Significantly Augment the Positive Effects of Each Other on the Growth, Yield and Mineral Uptake of Wheat | The 6 th Inter. Molecular Mycorrhiza Meeting, 25 th -27 th September 2023, Cambridge, UK. |
| 2. Development of Universal Positive Control to Enhance Accuracy and Validity of Marker-Assisted Selection in Tomato Breeding | 7 th Plant Breeding Project Competition 23 November 2023, Antalya, Turkey |
| 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 | 7 th Plant Breeding Project Competition 23 November 2023, Antalya, Turkey |
| 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 | V. Balkan Agricultural Congress, 20-23 September 2023, Edirne, Türkiye |
| 5. Development of Pink-Fruited Tomato Resistant to Tomato Spotted Wilt Virus and Tomato Yellow Leaf Curl Virus by Marker Assisted Introgression | V. Balkan Agricultural Congress, 20-23 September 2023, Edirne, Türkiye |
| 6. A Prospective Solution to Microplastic Pollution as a Rising Problem in Terrestrial Ecosystem: Genetic Manipulation of Microbial Decomposers | 2 nd Inter. Graduate Studies Congress, 14-17 June 2023, Türkiye |
| 7. Biostimulant Effects of Inoculation with <i>Piriformospora indica</i> and Arbuscular Mycorrhizal Fungi on Wheat. | 2 nd Inter. Plant Protection Congress, 17 May 2023, Bursa, Türkiye |
| 8. Inoculation of Wheat with the Endophytic Fungus <i>Piriformospora indica</i> Enhances Growth and Confers Tolerance to Salinity Stress and Boron Toxicity | 4 th Agri Balkan Congress, 1 September 2022, Edirne, Türkiye |
| 9. Endophytic Fungus <i>Piriformospora indica</i> Enhance Plant Growth Under Salinity Stress and Boron Toxicity in Durum and Bread Wheat | 2 nd Inter. Graduate Studies Congress, 8 June 2022, Türkiye |
| 10. Effects of <i>Piriformospora indica</i> 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 | GTU Graduate Studies Symposium, 1 June 2022, Kocaeli, Türkiye |
| 11. Mediterranean Fruit Fly (<i>Ceratitis capitata</i>) Management with Sterile Insect Release Methods | 1 st Inter. Mol. Plant Protec. Con. 10 April 201 |
| 12. Importance of Plant Breeding and Development of Plant Breeding Techniques | 1 st Plant Breeding and Genetic Student Congress, 25 April 2018, Nigde, Türkiye |
| 13. Proper Usage of Pesticides and Decreasing Amount of Pesticide Residues on Agricultural Crops | 7 th National Agricultural Student Congress, 3 May 2017, Konya, Türkiye |
| 14. Recombinant DNA Technology and Application Areas | 8 th Agri. Student Congress with Int. Part., 25 April 2018, Nigde, Türkiye |

Social Media Accounts

