



TAGEM
R&D AND INNOVATION

MAIZE RESEARCH INSTITUTE
SAKARYA

ŞİNASI ORHAN, MSc Agricultural Engineer

EDUCATION

- **Assoc. prof**
- **PhD**
- **MSc** 1994-1996 Çukurova University
Institute of Natural and Applied Science
- **Bachelor's Degree** 1989-1993 Çukurova Üniversitesi
Faculty of Agriculture

LANGUAGE

CAREER

- 1998-2002, Teacher, Ministry of National Education
- 2002-Present, Agricultural Engineer, MSc, Maize Research Institute Sakarya

ABOUT ME

He was born in 1971 in Elazığ. He graduated from Çukurova University Faculty of Agriculture in 1994.

He worked as a Teacher at the Ministry of National Education in 1997-2002.

Since 2002, he has been working at the Ministry of Agriculture and Forestry, Sakarya Maize Research Institute.

CONTACT

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Agricultural Engineer



▪ **PROJECTS**

▪ **Projects Conducted**

1. TAGEM/TA/03/03/01/024. Bread Wheat Breeding Researchs In South Marmara Region (2004-2008)- Researcher
2. TAGEM/TA/09/07/01/003. Bread Wheat Breeding Researchs In South Marmara Region (2009-2013)- Researcher
3. TAGEM /TBAD/14/A12/P01/001. Bread Wheat Breeding Researchs In South Marmara Region (2014-2018) Researcher
4. TÜBİTAK (TOVAG 112 O 135). Determination of phenotypic variation and genotype x environment interaction in a recently developed mapping population of bread wheat for agronomic, quality and disease-resistance traits- Researcher
5. Exploitation of Spelt Wheat and Wild Emmer in Improving Grain Zinc and Iron Concentrations of Modern Wheat and Evaluation of the Zinc Fertilizer Trails Conducted in Target Countries HARVEST PLUS – Researcher
6. TAGEM/ National Cool Climate Cereals Spring Bread Wheat Breeding Researchs (1999-2018)
7. TAGEM/ National Cool Climate Cereals Spring Bread Wheat Quality Researchs (1999-2018)
8. TAGEM/ National Cool Climate Cereals Winter Bread Wheat Breeding Researchs (1999-2018)
9. TAGEM/ National Cool Climate Cereals Disease Researchs Project (2004-2018)
10. TAGEM/ International Winter Wheat Improvement Project (IWWIP) 1999-2021
11. CIMMYT International Spring Wheat Improvement Project 1999-2021

▪ **Ongoing Projects**

1. TAGEM/TBAD/B/19/A7/P1/2270. Bread Wheat Breeding Researchs In South Marmara Region (2019-2023) – Researcher
2. TAGEM/ National Cool Climate Cereals Winter Bread Wheat Breeding Researchs 2019-2022
3. TCI/ International Winter Wheat Improvement Project (IWWIP) 1999-2021
4. CIMMYT/ International Spring Wheat Improvement Project (199-2021)
5. National Cool Climate Cereal Disease Research Project (ÜSİTHAP) (2020-2024) - Researcher



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■ **PUBLICATIONS**

■ **INTERNATIONAL ARTICLES AND PAPERS**

■ **Articles Published in International Journals**

1. Alex Morgounov., A.I., Akin, B., Demir, L., Keser, M., Kokhmetova, A., Martynov, S., **Orhan, Ş.**, Özdemir, F., Özseven, İ., Sapakhova, Z. and Yessimbekova, M., 2015. Yield gain due to fungicide application in varieties of winter wheat (*Triticum aestivum*) resistant and susceptible to leaf rust Crop & Pasture Science. <http://dx.doi.org/10.1071/CP14158>, 5 June 2015
2. Velu G., Tutus Y.; Gomez-Becerra H.F., Hao Y., Demir L., Kara R., Crespo-Herrera L.A., **Orhan S.**, Yazici A., Singh R.P., Cakmak I., 2016. QTL Mapping For Grain Zinc and Iron Concentrations and Zinc Efficiency in a Tetraploid and Hexaploid Wheat Mapping Populations. Plant Soil DOI 10.1007/s11104-016-3025-8, Volume: 406, Nos 1-2 September 2016
3. Nehe, A., Akin, B., Sanal, T., Kaplan Evlice, A., Ünsal, R., Dinçer, N., Demir, L., Geren, H., Sevim, İ., **Orhan, Ş.**, Yaktubay, Ş., Ezici, A.A., Guzman, C., and Morgounov, A., 2019. Genotype x environment interaction and genetic gain for grain yield and grain quality traits in Turkish spring wheat released between 1964 and 2010. PLOS ONE | <https://doi.org/10.1371/journal.pone.0219432> July 18, 2019
4. Akin, B., Sohail, Q., Ünsal, R., Dinçer, N., Demir, L., Geren, H., Sevim, İ., **Orhan, Ş.**, Yaktubay, Ş., Alex Morgounov., A.I., 2017. Genetic gains in grain yield in spring wheat in Turkey. Turkish Journal of Agriculture and Forestry, (2017) 41: 103-112 TÜBİTAK doi:10.3906/tar-1611-50.

■ **International Papers, Seminars, etc.**

1. Avşar, B., Aydın, N., Bayramoğlu, H.O., Şermet, C., Mert, Z., **Orhan, Ş.**, Demir, L., Budak, H., 2013. Polymorphism Study In Rils Created By Tosunbey X Tahirova 2000 Cross. International Plant Breeding Congress, Field Crops, Page 348, 10-14 November 2013, Antalya, Turkey.
2. Demir, L., **Orhan, Ş.**, Özseven, İ., Canigeniş, G., Morgounov, A. and Akın, B., 2014. The Effect of Leaf Rust on Grain Yield and on Yield Traits in Spring Bread Wheat Varieties. International Mesopotamia Agriculture Congress, 22-25 September 2014 Diyarbakır – Turkey.
3. Sevim, İ., Geren, H., Ünsal, R., Demir, L., **Orhan, Ş.**, Yaktubay, Ş., Ezici, A.A., Morgounov, A., Akın, B., 2014. Genetic Gains For Grain Yield And Yellow Rust In Historical Set Of Spring Wheat Varieties Developed In 1965-2010 2nd International Wheat Stripe Rust Symposium, 28 April-01 May-2014-İzmir, Turkey.
4. Demir, L., **Orhan, Ş.**, Özseven, İ., Canigeniş G., 2017. Determination of Grain Yield and Some Traits of Some Winter and Facultative Bread Wheat (*Triticum aestivum* L.) Genotypes in East Marmara Ecological Conditions. 2nd International Balkan Agriculture Congress May 16-18, 2017, Abstract book page: 151, Tekirdağ/TURKEY.



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5. Demir, L., **Orhan, Ş.**, Özseven, İ., Canıgeniş G., 2017. Determination of Grain Yield and Some Traits of Some Winter and Facultative Bread Wheat (*Triticum aestivum* L.) Genotypes in East Marmara Ecological Conditions. 2nd International Balkan Agriculture Congress May 16-18, 2017, Abstract book page: 151, Tekirdağ/TURKEY
6. Cengiz B., Karabulut Z., Demir L., **Orhan Ş.**, Canıgeniş G., Özseven., İ., 2017. Determination of Quality Characteristics of Some Bread Wheat Lines and Varieties Grown in East and South Marmara Ecological Conditions. 2nd International Balkan Agriculture Congress 16-18 May. 2017, Tekirdağ/Turkey.

▪ NATIONAL ARTICLES AND PAPERS

▪ Articles Published in National Journals

1. Demir, L., **Orhan, Ş.**, Özseven, İ., Canıgeniş G., 2017. Determination of the Reactions of Some Bread Wheat (*Triticum aestivum* L.) Varieties Against Yellow and Leaf Rust Diseases Under the Natural Epidemic in Sakarya Ecological Conditions. Journal of Field Crops Central Research Institute, 26: 131-137.

▪ National Papers, Seminars, etc.

1. Bayram M.E., Demir L., **Orhan Ş.**, 2013. Yield Stability of Some Red Grain Bread Wheat (*Triticum aestivum* L.) Genotypes. Turkey 10th Field Crops Congress, 10-13 September, Konya.
2. Sayaslan, A., Aydın, N., Demir, B., Çıbık, C., Bayramoğlu, H.O., Şermet, C., Savaşlı, E., Önder, O., Özcan, H., **Orhan, Ş.**, Demir, L., 2015. Effect of High and Low Molecular Weight Glutenin Subunits and Rye Translocation on Agronomic and Quality Traits in Hard White Wheat. Turkey 11th Field Crops Congress, 7-10 September 2015, Çanakkale
3. Mert, Z., Aydın, N., Şermet, C., **Orhan, Ş.**, Demir, L., Özcan, H., 2015. Determination of Resistance to Powdery Mildew and Rusts in a Recombinant Inbred Line Population of Bread Wheat. Turkey 11th Field Crops Congress, 7-10 September 2015, Çanakkale
4. Yavuz, R., Demir, L., **Orhan, Ş.**, 2017. Effects of Yellow and Brown Rust Diseases on Wheat Production in the Marmara Region. Agrotime International Journal of Crop Production and Animal, 29: 30-31.



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▪ **OTHER PUBLICATIONS**

▪ **Ph.D. Thesis, Master Thesis, Reports, Books etc.**

1. **Master Thesis**

Orhan, Ş., 1996. Erosion Control Implementations in East Anatolia watershed rehabilitation Project: Elazığ case. Çukurova University, Institute of Natural and Applied Sciences, Department of Agricultural Structures and Irrigation, Master Thesis, Adana.

2. **Proje Sonuç Raporu**

Bayram, M.E., Demir, L., Özseven, İ., **Orhan, Ş.**, Canıgeniş, G., Cengiz, B., Nogay, Y., 2014. Bread Wheat Breeding Researchs In South Marmara Region. General Directorate of Agricultural Research and Policies, TAGEM/TA/09/07/01/003 no'lu Project Final Report (2009-20013)

3. **Project Result Report**

Demir, L., Özseven, İ., **Orhan, Ş.**, Canıgeniş, G., Urin, V., Ağı, Y., Cengiz, B., Karabulut, Z., 2019. Bread Wheat Breeding Researchs In South Marmara Region. General Directorate of Agricultural Research and Policies, TAGEM /TBAD/14/A12/P01/001 no'lu Project Final Report (2014-20018)

4. **Project Result Report**

Aydın, N., Sayaslan, A., Savaşlı, E., Önder, O., Özcan, H., Bayramoğlu, H.O., Demir, L., **Orhan, Ş.**, 2016. Determination of phenotypic variation and genotype x environment interaction in a recently developed mapping population of bread wheat for agronomic, quality and disease-resistance traits. The Scientific and Technological Research Council of Turkey - Agriculture, Forestry & Veterinary Sciences Research Grant Group, TÜBİTAK (TOVAG 112 O 135), Project Final Report.

▪ **Membership, Training, Course, Meeting, Congress, Symposium and Other Activities**