



TAGEM
R&D AND INNOVATION

TRANSITIONAL ZONE AGRICULTURAL
RESEARCH INSTITUTE/ ESKİŞEHİR

ÖZCAN YORGANCIJAR

Agricultural Engineer

EDUCATION

- Assoc. prof
- PhD
- MSc 1995 Trakya University
Agriculture Department Of Field Crops
- Bachelor's Degree 1991 Trakya University
Agriculture Field Crops Department

LANGUAGE

CAREER

- 1992-2002 Research Assistant , Tekirdağ Faculty of
Agriculture, Tekirdağ
- 2002- , Agriculture Engineer, Transitional Zone Agricultural
Research Institute, ESKİŞEHİR

ABOUT ME

He was born in Adapazari in 1967. He graduated from Trakya University Faculty of Agriculture in 1991. In 1995, he completed his master's degree at Trakya University, Faculty of Agriculture, Department of Field Crops.

He has studies on Using Molecular Marker Techniques in Plant Breeding (Wheat, Chickpea, Lentil), Obtaining Double Haploid Plants in Wheat by Anther Culture Method), Gliadin-Gluten Studies in Wheat Breeding Material..

CONTACT

📍 Ziraat Street, Karabayır Locality 6. Km
Tepebaşı/ESKİSEHIR

🌐 zeynep.sirel@tarimorman.gov.tr

☎ 0222 324 03 00-543



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▪ **PROJECTS**

▪ **Projects Conducted**

1. Identification of Field Crops by Electrophoretic Method in Thrace Region. TÜBİTAK Project, TOGTAK-1550,(1997-2000) Assistant Researcher
2. Differentiation of Field Crops by Electrophoretic Methods. TÜAF 66th (1997-2000) Assistant Researcher
3. Determination of Variety-Water-Yield-Quality Relationships of Bread Wheat Produced in Thrace Region. TARP-2110, (1998-2001) Associate Investigator
4. Nematode Damage and Control in Wheat (Identification of Plant Parasitic Nematodes in Central Anatolian Cereal Planting Fields and Identification of Important Nematode Species by Morphological and Molecular Methods Tagem (2003-2007) Sub-project leader
5. Studies on Grain Cyst Nematode (Heterodera Spp.) and Root Lesion Nematodes (Pratylenchus Spp.) and Control Opportunities in Wheat (2006-2009) Assistant Researcher
6. Development of Molecular Markers for Resistance to Yellow Rust Disease in Winter Bread Wheat (Triticum aestivum L.) - TÜBİTAK 1007- (2006-2010) Assistant Researcher
7. Investigation of the Effect of In-season Nitrogen Fertilizer Management Systems on Yield and Quality of Bread Wheat in Eskişehir Conditions – TÜBİTAK 1007 –(2007-2010) Assistant Researcher
8. Gateway Region Durum Wheat Breeding Studies (2003-2007,2008-2012,2013-2017) Assistant Researcher
9. National Cool Climate Cereal Disease Research 2008,2009-2013 Assistant Investigator
Conservation and Breeding of Wheat Varieties Developed by the 10th Gateway Agricultural Research Institute – Tagem –(2010-2014) Associate Researcher
11. Transition Zone Agricultural Research Institute Directorate Development of Quality and Biotechnology Infrastructure - BEBKA Project- (2013-2014) Assistant Researcher
12. Development of Resistance Resources against Wheat Root and Root Rot Disease and Wheat Cyst and Lesion Nematodes (2011-2015) Co-Investigator
13. Investigation of Selection by Molecular Markers for Resistance to Anthracnose (Ascochyta rabiei (Pass.) Labr.) in Chickpea – Tagem- (2011-2016) Executive
14. Bread and Biscuit Wheat Line Development Project Using Anther Culture Method (Double Haploidy) (jointly with Tarım Limited Şirketi) (2012-2018) Executive
15. Investigation of the Effect of the Climate Chamber Developed Using Advanced Technology on Tissue, Callus, Plant Regeneration and Plant Development (Private sector) -(2015-2017) Executive
16. Gateway Zone Disease Resistance Breeding in Wheat (2016-2017) Assistant Researcher



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▪ **Ongoing Projects**

1. Bread Wheat Line Development Using Anther Culture Technique (2019-2022-Researcher)
2. Transition Generation Agricultural Research Institute Determination of Quality Characteristics of Winter Bread Wheat Breeding Material (2017-2021-Researcher)
3. Roof Project: Investigation of Gene Effects in the Response of Bread Wheat to Anther Culture by Diallel Analysis (2020-2024- Researcher)

▪ **PUBLICATIONS**

▪ **INTERNATIONAL ARTICLES AND PAPERS**

▪ **Articles Published in International Journals**

1. İ Başer, S Şehirali, H Orta, T Erdem, Y Erdem, Ö Yorgancılar (2004). Effect of different water stresses on the yield and yield components of winter wheat. *Cereal Research Communications*, 32/2.page 217-223.
2. E Yavuzaslanoglu, HI Elekcioglu, JM Nicol, O Yorgancılar, D Hodson, (2012). Distribution, frequency and occurrence of cereal nematodes on the Central Anatolian Plateau in Turkey and their relationship with soil physicochemical properties. *Nematology*.14/7, pages 839-854.
3. S Ercan, F Ertugrul, Y Aydın, FS Akfırat, S Hasancebi, K Akan, Z Mert, N Bolat, O Yorgancılar, A Altinkut-Uncuoglu (2010). An EST-SSR marker linked with yellow rust resistance in wheat. *Biologia Plantarum* 54/4, pages 691-696.
4. A Halim Orta, Sezen Şehirali, İsmet Başer, Tolga Erdem, Yeşim Erdem, Özcan Yorgancılar (2002). Water—Yield Relation and Water—Use Efficiency of Winter Wheat in Western Turkey. 30/3, pages 367-374.
5. Aslıhan Temel, F Sentürk-Akfırat, F Ertugrul, A Yumurtacı, Y Aydın, T Talas-Ogras, Nermin Gözükırmızı, Necmettin Bolat, Ö Yorgancılar, Savaş Belen, M Yıldırım, Mustafa Çakmak, E Özdemir, Lütfi Çetin, Zafer Mert , Hülya Sipahi, Seval Albustan, Kadri Akan, F Duesuenceli, A Altinkut Uncuoglu (2008). Yr10 gene polymorphism in bread wheat varieties *African Journal of Biotechnology*, 7/14.
6. E Şahin, JM Nicol, İH Elekçioglu, Ö Yorgancılar, AF Yıldırım, A Tülek, H Hekimhan, A Yorgancılar, AT Kılınc, N Bolat, G Erginbaş-Orakçı (2009). Frequency and diversity of cereal nematodes on the Central Anatolian Plateau of Turkey, 100-105.



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▪ International Papers, Seminars, etc.

1. İH Elekçioğlu, JM Nicol, N Bolat, E Şahin, A Yorgancılar, HJ Braun, Ö Yorgancılar, AF Yıldırım, AT Kılınc, H Toktay, M Çalışkan (2009). Longterm studies on the cereal cyst nematode *Heterodera filipjevi* in Turkey: international collaboration with regional implications. Cereal cyst nematodes: status, research and outlook. Proceedings of the First Workshop of the International Cereal Cyst Nematode Initiative Page 11-16. Antalya, Turkey, 21-23 October 2009
2. A.Yorgancılar, E.Sahin, A.T. Kılınc, J.M.Nicol, G. Erginbas, N.Bolat, H Elekçioğlu, A. F. Yıldırım , O.Yorgancılar and O. Bilir. Identification of multiple resistance against Cereal Cyst (*Heterodera filipjevi*) and Root Lesion (*Pratylenchus thornei* and *P. neglectus*) nematodes for international bread wheat improvement presented at 5th International Nematology Congress, BrisbaneAustralia,2008

▪ NATIONAL ARTICLES AND PAPERS

▪ Articles Published in National Journals

1. Özcan Yorgancılar, Aysel Yorgancılar , Serhat Dikmen , Serdar Dikmen , Merve Çarıkcı , Fikret Evcen , Fahriye Van , Pervin Uzun , Aysen Yumurtacı , İmren Kutlu , Zeynep Sirel. Obtaining Pure Lines in Wheat by Using Anther Culture Technique in F2 Generation. JournalPark Field Crops Central Research Institute JournalArchiveVolume 25, Issue SPECIAL ISSUE-1. Volume 25 , Issue SPECIAL ISSUE-1, Pages 237 – 242
2. S Sehirali, H Ozcelik, O Yorgancılar (1994). Research on the characterization of gene sources of dwarf bean consumed as dry grain. 1. Field Crops Congress, Plant Breeding Proceedings, pages 134-140.
3. İ Başer, O Bilgin, E Sara, Ö Yorgancılar (1997). The effects of different doses of gamma rays applied to tall durum wheat varieties on plant height, grain yield and some agricultural characteristics. II. Field Crops Congress. Proceedings, pages 26-31.
4. İmren KUTLU, Ece TURHAN, Özcan YORGANCILAR, Aysel YORGANCILAR(2017). Yield components and changes in antioxidant enzyme metabolism in wheat genotypes under drought stress. KSU Journal of Natural Sciences.Volume no:20, pages 273-277.

1. Kutlu, I., Yorgancılar, Ö., Yorgancılar, A., Sirel, Z., Tavas, N. 2017. The Effect of Genotype and Growing Conditions on Seed Retention Rate in Wheat Crossbreeding. 12th Field Crops Congress, 12-15 September, Kahramanmaraş.

2. Yorgancılar, Ö., Sirel, Z., Yorgancılar, A., Atmaca, E. 2017. The Use of Marker Assisted Selection Against *Ascochyta* Blight Disease (*Ascochyta blight*) in Chickpea Varieties and Lines at the Gateway Zone Agricultural Research Institute. 12th Field Crops Congress, 12-15 September, Kahramanmaraş

3. Sirel, Z., Yorgancılar, Ö., Karaduman, Y., Yorgancılar, A. 2017. The Effect of High Molecular Weight Gluten Subunits on Gluten Quality Traits in Bread Wheat. 12th Field Crops Congress, 12-15 September, Kahramanmaraş.

4. Yorgancılar A., Yılmaz B., Yorgancılar Ö., Sirel Z., Belen S., Özkeskin E., Torun A. 2017. 1. Determination of Reactions of Some Wheat Genotypes to Root and Root Rot Factor (*Fusarium culmorum*). 12th Field Crops



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▪ National Papers, Seminars, etc.

1. Kutlu, I., Yorgancılar, Ö., Yorgancılar, A., Sirel, Z., Tavas, N. 2017. The Effect of Genotype and Growing Conditions on Seed Retention Rate in Wheat Crossbreeding. 12th Field Crops Congress, 12-15 September, Kahramanmaraş.
2. Yorgancılar, Ö., Sirel, Z., Yorgancılar, A., Atmaca, E. 2017. The Use of Marker Assisted Selection Against Ascochyta Blight Disease (Ascochyta blight) in Chickpea Varieties and Lines at the Gateway Zone Agricultural Research Institute. 12th Field Crops Congress, 12-15 September, Kahramanmaraş
3. Sirel, Z., Yorgancılar, Ö., Karaduman, Y., Yorgancılar, A. 2017. The Effect of High Molecular Weight Gluten Subunits on Gluten Quality Traits in Bread Wheat. 12th Field Crops Congress, 12-15 September, Kahramanmaraş.
4. Yorgancılar A., Yılmaz B., Yorgancılar Ö., Sirel Z., Belen S., Özkeskin E., Torun A. 2017. 1. Determination of Reactions of Some Wheat Genotypes to Root and Root Rot Factor (Fusarium culmorum). 12th Field Crops Congress, 12-15 September, Kahramanmaraş
5. Özkeskin E., Yorgancılar A., Yorgancılar Ö., Sirel Z., Torun A. 2017. Determination of the Reactions of Bread Wheat Lines Developed Using Anther Technique against Rust, Spreading and Soil-borne Wheat Mosaic Virus Disease. 12th Field Crops Congress, 12-15 September, Kahramanmaraş
6. Yorgancılar A., Yılmaz B., Yorgancılar Ö., Sirel Z., Belen S., Özkeskin E., Torun A. 2017. Determination of Reactions of Some Wheat Genotypes Against Yellow Rust Disease (Puccinia striiformis f.sp. tritici). 12th Field Crops Congress, 12-15 September, Kahramanmaraş.
7. Yorgancılar A., Yılmaz B., Yorgancılar Ö., Sirel Z., Belen S., Özkeskin E., Torun A. 2017. Some Wheat Genotypes (Tilletia foetida (Wallr) Liro, Tilletia caries (DC) Tul) Determination of Reactions against Eskişehir in Field Conditions. 12th Field Crops Congress, 12-15 September, Kahramanmaraş
8. Sirel Z., Yorgancılar Ö., Yorgancılar A., Karaduman Y., Kutlu İ. Investigation of Differences Between Quality Parameters of Doubled Haploid Lines Obtained by Anther Culture Technique and Their Parents by Biochemical Methods. Ali Numan Kırış Tarım Workshop. 30 October 2018, Istanbul
9. Aysel YORGANCILAR, Elif ŞAHİN, A. Taner KILINÇ, A. Faik YILDIRIM, Gül ERGİNBAŞ, Özcan YORGANCILAR, Özlem BİLİR, Julie M. NICOL, Necmettin BOLAT, İ. Halil ELEKÇİOĞLU Research on the Determination of Wheat Varieties Resistant to Cereal Cyst (Heterodera filipjevi) and Root Lesion (Pratylenchus thornei and P. neglectus) Nematodes, National Grain Symposium, Konya 2-5 June 2008



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OTHER PUBLICATIONS

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

1. Master Thesis

2. Book Chapter

Yorgancılar, Ö., Kutlu, I., Yorgancılar, A., Sirel, Z. 2017. Optimization of factors affecting success in anther culture technique for wheat, in: Arapgırođlu, H., Elliot, R. L., Turgeon, E. Atik, A. (Editörler). Researches on Science and Art in 21st Century Turkey (802-804), Türkiye, Gece Kitaplığı, 15.12.2017

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

1. Field Crops Congress, 25-29 April 1994, EUZF, Bornova, 1994. 134-140
2. 1995 Turkey Agricultural Engineering Technical Congress, Ankara
3. 1997 Turkey 2nd Field Crops Congress. Publication No:26
4. 4th Turkey Agricultural Research Project Symposium. (Turkey Agricultural Research Project Symposium) 26-27 October 2000 Ankara.
5. 2001 Turkey Agricultural Research Project Symposium., p-10-11, 26-27 October.
6. Turkey 4th Field Crops Congress 17-21 September 2001 Tekirdag.
7. 2003 XIII. Biotechnology Congress Çanakkale.
8. 2007 VII. Field Crops Congress 25-28 June 2007 Erzurum
9. 2008 19th National Biology Congress Karadeniz Tenik University, Trabzon, 23
10. 2-5 June 2008 National Grain Symposium KONYA
11. 10 -12 October 2009 4th Regional Yellow Pass Conference ANTALYA
12. 19-22 October 2009 Turkey VIII. Field Crops Congress, HATAY
13. 2009- XVI. National Biotechnology Congress, Antalya 13-16 /12/ 2009
14. 2011 -Turkey IV. Seed Congress, On Dokuz Mayıs University, Faculty of Agriculture, 14-17 June 2011, Samsun.
15. 2011 -I. Ali Numan Kıraç Agriculture Congress, 27-30 April 2011 ESKİŞEHİR

