



TAGEM
R&D AND INNOVATION

TRANSITIONAL ZONE AGRICULTURAL INSTITUTE
ESKİŞEHİR

Dr. Zafer Şaban TUNCA

Agricultural Engineer

EDUCATION

- PhD** Selçuk University Konya
2013-2020 Field Crops
 - MSc** Osmangazi University Eskişehir
2009-2012 Field Crops
 - Bachelor's Degree** Osmangazi University Eskişehir
2004-2008 Field Crops
- LANGUAGE** English YDS 75 /KPDS 82,5

CAREER

- 2021- Head of Education and Extension Unit, Transitional Zone Agricultural Research Institute, Turkey
- 2014 Visiting Scholar/ Purdue University USA
- USA2011-2021 Researcher / Transitional Zone Agricultural Research Institute, Turkey
- 2010 2011 Presidency of Inspection and Guidance Ministry of Food Agriculture and Livestock Turkey
- 2009–2010 Directorate of Provincial Food Agriculture and Livestock Mihalgazi Eskişehir Turkey
- 2008-2009/Research Asistant / Gaziosmanpaşa University Turkey
- 2008/ Asistant Banker/ T.C. Ziraat Bank Turkey

ABOUT ME

I was born in 1984 in Eskişehir., I graduated from Osmangazi University, Faculty of Agriculture, Department of Field Crops in 2008.

I completed my doctorate in 2020, master's in 2012, my studies.

I continued my professional education in the United States of America for 6 months in 2014 in the field of remote sensing of drought at Purdue University.

"I worked on the breeding and quality of cool climate cereals.

CONTACT

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■ **PROJECTS**

■ **Projects Conducted**

1. Development of High Quality Biscuit Wheat Genotypes and local populations
2. Biscuit Terms Quality Scanning - grantee project.
3. Transitional Zone Agricultural Research Institute Winter Wheat Breeding Material Quality Determination of properties - Researcher.
4. Transitional Zone Agricultural Research Institute of winter durum wheat breeding material determining the Quality properties - Researcher.
5. Transitional Zone Agricultural Research Institute -passage of durum wheat improvement area Studies Researcher.

■ **PUBLICATIONS**

■ **INTERNATIONAL ARTICLES AND PAPERS**

■ **Articles Published in International and National Journals**

1. Tunca, Z. Ş., Karaduman, Y., Topal, A., Önder, O., Akın, A., Belen, S., Dayıođlu, R., Sönmez A. C., 2019, Soft bread wheat selected in dry and irrigated conditions determination of biscuit quality characteristics of genotypes. Turkey 13. National / International Field Crops Congress 1 - November 4, 2019, Antalya
2. Tunca Z. Ş., Topal, A., Karaduman, Y., 2018, Chromosome particles from wheat to rye transfer (translocations). Bahri Dađdaş Journal of Herbal Research 7, (2), 55 -65, ISSN:2148-3205277
3. Tunca Z. Ş., Topal A., Türkolmez, S., 2016, Black spot and its importance in cool climate cereals, Review, Bahri Dađdaş Herbal Research Journal 5 (1), 1 421, 2016 ISSN: 2148 - 3205.
4. Karaduman, Y., Belen, S., Sonmez, A. C., Akın, A., Sayaslan, A., Dayıođlu, R., Aydın, N., Tunca, Z. Ş., 2018, Soft wheat (*T. aestivum*) suitable for the demands of the biscuit industry development work. 2018 Turkey with Local Wheat r Symposium, oral presentation, Bolu Extended Abstract Booklet page:122 – 123
5. Karaduman, Y., Akın, A., Türkolmez, S., Tunca Z. Ş, Belen, S., Çakmak, M., Yüksel, S., Yorgancılar, Ö., Önder, O., Server, B. B., 2017, Evaluation of technological quality parameters in bread wheat breeding program. poster paper - XII. Field Plants Congress, TAH04, Kahramanmaraş.
6. Karaduman Y., Akın, A., Belen, S., Sonmez, A. C., Dayıođlu, R., Tunca Z. S., Türkolmez, S., Sayaslan, A., Bayramoglu, H. O., Aydin, N., Hasgar, D., 2017, High quality of biscuits development of wheat genotypes, TÜBİTAK Project No. 1003 2140050, Oral declaration, XII. Field Crops Congress, TAH14, Kahramanmaraş.



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TAGEM
R&D AND INNOVATION

7. Karaduman Y., Akın A., Türkölmez S., Tunca, Z. Ş., 2015. Determination the availability of GlutoPeak parameters for evaluation of gluten quality in bread wheat breeding programs. Journal of Central Field Crop Research Institute 24,1,65-74.
8. Karaduman Y., Akın A., Türkölmez S., Tunca Z.Ş., , Belen S., Çakmak M., Yüksel S 2015. Determination of some technological properties of wheat quality advanced bread wheat lines Crops Research Institute Journal, volume. Journal of Central Field Crop Research Institute, cilt:24, sayı:1,s: 24-29.
9. Karaduman, Y., Tunca, Z. Ş., Akın, A., Başçiftçi. Z. B., Yorgancılar, Ö., Ayter, N. G., Takıl, E., 2015, Comparison of some quality characteristics in kinoa (Chenopodium quinoa), buckwheat (Fagopyrum esculentum), siyez Wheat (Triticum monococcum) and bread Wheat (Triticum aestivum) by principle component analysis, www.biodicon.com, ISSN 1308 -8084 Online; ISSN 1308 -5301Print 8 (3), 153–158.
10. Olgun, M., Karaduman, Y., Arpacioğlu, N. G. A., Juniper, M., Koyuncu, O., Sezer, O., Başçiftçi, Z. B., Tunca, Z. S., Belen, S., Aydın, D., Qatar, D., 2018, Bread wheat RGB, HSV and LAB color values, nitrogen doses and 278 quality relationship between parameters, BIBAD Journal of Biology Sciences Research Department gisi, ISSN: 1308 - 0261, 11 (2): 46 - 51, 2018.
11. Olgun, M., Başçiftçi, Z. B., Ayter, N. G., Turan, M., Aydın, D., Tunca, Z. Ş., Sönmez, A. C., Koyuncu, O., 2016, Potassium iodide of the app bread wheat varieties effect on biochemical properties Research Article Süleyman Demirel University Journal of the Faculty of Agriculture 11 (2), 46 - 60, 2016 ISSN 13049984.
12. Yıldırım. Y., Belen, S., Yüksel, S., Sönmez, A. C., Önder O., Sağır , F., Karaduman Y., Akın,
13. A., Tunca Z. Ş., 2018, A study on the selection of some triticales lines in terms of yield and quality parameters in Eskişehir different growing conditions. 2nd International Conference on
14. Triticale Biology Breeding and Production, June 2018 Erzurum, Turkey
15. Yılmaz, B., Yorgancılar, A., Kılınç, A. T., Keten, A., Yorgancılar, Ö., Belen, S., Çakmak, M., Yüksel, S., Tunca, Z. Ş., 2013, Some wheat common genotypes (Tilletia foetida Wallr.) Liro, Determination of the reactions against Tilletia caries (D.C.) Tul.) in Eskişehir field conditions, Poster Presentation, Turkey 10th Field Crops Congress, 10- 13 September 2013 Konya.
16. Yorgancılar, A., Kılınç, A. T., Keten, A., Yorgancılar, Ö., Çakmak, M., Belen, S., Yüksel, S., Tunca, Z. Ş., 2013, Some wheat common genotypes (Heterodera filipjevi) Determination of the reactions against cereal cyst nematode in Eskişehir field conditions, Poster Presentation, Turkey 10th Field Crops Congress, 10- 13 September 2013 Konya.
17. Yorgancılar, A., Kılınç, A. T., Keten, A., Yorgancılar, Ö., Çakmak, M., Belen, S., Yüksel, S., Tunca, Z. Ş., 2013, Determination of the reactions of some wheat genotypes against root and crown rot factor (Fusarium culmorum), Poster Presentation, Turkey 10. Field Plants Congress 10- September 13, 2013 Konya
18. Yorgancılar, A., Kılınç, A. T., Keten, A., Yorgancılar, Ö., Çakmak, M., Belen, S., Yüksel, S., Tunca, Z. Ş., 2013, Root and root collar of some wheat genotypes to cause rot (Fusarium culmorum), Presentation, 10th Field Crops Congress of Turkey, 10 - 13 September 2013 Konya.



Zafer Şaban TUNCA, PhD

Agricultural Engineer



▪ **OTHER PUBLICATIONS**

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

1. Determination of yield, yield elements and quality characteristics of advanced biscuit wheat lines developed for irrigated and dry conditions – Ph D Thesis
2. Determination of adaptability, agronomic and physiological characteristics of some wheat cultivars MSc thesis.

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

1. Monitoring and determination of agricultural drought with vegetation indeks models Purdue University
2. Rust Diseases and Resistance to Rust Diseases Preparation of Project
3. Using of Near Infrared Spectrum Device
4. Project Cycle Management and Funding Course