



TAGEM
R&D AND INNOVATION

Dr. SEVGI HEREK BESLER Agricultural Engineer

EDUCATION

- PhD** 2017-2022 University of Nottingham
School of Biosciences/Plant Sciences
 - MSc** 2013-2015 Kahramanmaraş Sutcu Imam University
School of Natural and Applied Sciences/
Department of Agricultural Field Crops
 - Bachelor's Degree** 2009-2013 Kahramanmaraş Sutcu Imam University
Faculty of Agriculture/Field Crops
- LANGUAGE** English KPDS 85 / YDS 76

CAREER


- 2023** Researcher, Biodiversity and Genetic Resources
Department, Field Crops Central Research
Institute- ANKARA


ABOUT ME


I was born in Adana in 1990. In 2013, I graduated from the Faculty of Agriculture at Kahramanmaraş Sutcu Imam University. Later, in 2017, I obtained a Master's degree in Field Crops with a focus on mutation breeding in wheat and oats from the same university's Institute of Natural and Applied Sciences. In 2023, I completed my Doctorate in wheat breeding from the University of Nottingham.

In 2023, I assumed the role of researcher at the Field Crops Central Research Institute.

CONTACT

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Dr. SEVGI HEREK BESLER Agricultural Engineer



▪ **PROJECTS**

▪ **Projects Conducted**

1. 2014-2015: 'Chemical Mutation Trials on Bread Wheat (*Triticum aestivum* L.) And Durum Wheat (*Triticum durum* Defs.) with Oat (*Avena sativa* L.) Varieties' this study was supported by Kahramanmaras Sutcu Imam University, Scientific Research Projects Coordination Unit. I worked as a researcher in the project. This project is also my master thesis and I worked on the implementation of the project, taking observations and evaluating the data.
2. "Determination of the Mutagenic Effect of NaN_3 Chemical at Different Concentrations on Wheat and Oats. Role in the Project: Researcher - Master's Degree Student"
3. "Agricultural and Molecular Characterization of Oat Lines Obtained from Different Gene Banks. Role in the Project: Researcher - Master's Degree Student"

▪ **Ongoing Project**

1. Conservation of Field Crops Genetic Resources, TAGEM, 01/01/2020 -31/12/2024, Researcher.
2. National Digital Herbarium Database (TAGEM) (Researcher).



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■ **PUBLICATIONS**

■ **INTERNATIONAL ARTICLES AND PAPERS**

■ **Articles Published in International Journals**

1. Ziya Dumluþınar, Hüseyin Güngör, Tevrican Dokuyucu, **Sevgi Herek**, Alı Tekin & Aydın Akkaya Agronomical Screening of OGLE1040/TAM O-301 Oat Genetic Mapping Population. *Sains Malaysiana* 48(5)(2019): 975–981. <https://dx.doi.org/http://dx.doi.org/10.17576/jsm-2019-4805-05>

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

1. **Sevgi Herek**, Surbhi Grewal, Lauren Baker, Cai-yun Yang, Stella HubbardEdwards, Duncan Scholefield, Stephen Ashling, Ian King and Julie King. Isolation And Characterisation Of Wheat/*Thinopyrum Elongatum* Introgressions. *Monogram 2019*, Nottingham, UK.
2. Kartal, S., **Herek, S.**, Tekin, A., Tanrikulu, A., Dumluþınar Z., Güngör, H., 2016. Response of Durum Landrace Karakılıç to Different Sowing Densities for Yield and Yield Traits. *International Engineering, Science and Education Conference*, December 1-3, 2016, Diyarbakır, Turkey, pp. 78-81. (Tam Metin Bildiri)
3. Güngör, H., Tekin, A., **Herek, S.**, Dumluþınar, Z., Gezginç, H., Dokuyucu, T., Şanal, T., Akkaya, A. 2016. Assessment of Common Durum Wheat Cultivars Growing in Turkey in Terms of Some Quality Traits under Kahramanmaraş Conditions. *15th International Cereal and Bread Congress*, 18-24 April İstanbul, Turkey, pp 284.
4. Gezginç, H., Tanrikulu, A., Tekin, A., **Herek, S.**, Dumluþınar, Z., Güngör, H., Dokuyucu, T., Şanal, T., Akkaya, A. 2016. Some Bread-Making Quality Related Trait Performances of Bread Wheat Cultivar Grown under Mediterranean Conditions. *15th International Cereal and Bread Congress*, 18-24 April İstanbul, Turkey, pp 485.
5. Tekin, A., Aslan, E., **Herek, S.**, Dokuyucu, T., Akkaya, A.,Gezginç, H., Bölek, Y., Tekerek, H., Dumluþınar, Z. Molecular Characterization Of Oat Lines Obtained From Different Gene Banks Using SSR Markers. *II. International Plant Breeding Congress and Eurocarpiol – Oil and Protein Crops Section Conference* 1-5 November 2015 Antalya Turkey pp 395.
6. Gezginç, H., Tekin, A., Aslan, E., Kartal, S., Dokuyucu, T., Yürürdurmaz, C., Akkaya, A., Dumluþınar, Z., **Herek, S.** Evaluation of Oat Landraces Obtained From Different Gene Banks for Agronomic Traits. *II. International Plant Breeding Congress and Eucarpial – Oil and Protein Crops Section Conference* 1-5 November 2015 Antalya Turkey pp 396.
7. **Herek, S.**, Gören, H. K., Tekin, A., Aslan, E., Dumluþınar, Z., Ceyhan, M., Dinçer, M. N., Gezginç, H., Akkaya, A., Dokuyucu, T., Ercan, K. 2014. Evaluation of Some Oat Cultivars in Adana and Kahramanmaras locations for Yield and Yield Components. *International Mesopotamia Agriculture Congress*, 22-25 September 2014 Diyarbakır pp 445-452.
8. Dumluþınar, Z., Aslan, E., Gören, H. K., **Herek, S.**, Tekin, A., Dokuyucu, T., Akkaya, A.2014. Oat Breeding Efforts in Turkey. *American Oat Workers Conference*, July-13-16 2014, Ottawa, Ontario, Canada, Pp 42.



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▪ NATIONAL ARTICLES AND PAPERS

▪ Articles Published in National Journals

1. Dumlupınar Ziya, Tekin Ali, **Herek Sevgi**, Tanrıku Abdulkadir, Dokuyucu Tevrican, Akkaya Aydın. Türkiye Kökenli Yulaf Genotiplerinin Bazı Tarımsal Özellikler Bakımından Değerlendirilmesi. Yayın Yeri: *Türk Tarım Gıda Bilim ve Teknoloji Dergisi*, 2017.
2. Tekin, A., Aslan, E., **Herek, S.**, Dokuyucu, T., Gezginç, H., Bölek, Y., Tekerek, H., Dumlupınar, Z., Akkaya, A. Türkiye Orjinli Yulaf Genotiplerinin Basit Dizi Tekrarları (SSR) Markörleriyle Karakterizasyonu Yayın Yeri: *KSÜ Doğa Bilimleri Dergisi*, 20(1), 70-77, 2017.
3. Ercan, K., Tekin, A., **Herek, S.**, Kurt, A., Kekeç, E., Olgun, M., Dokuyucu, T., Dumlupınar, Z., Akkaya, A. 2016. Yerel Yulaf Hatlarının Kahramanmaraş Koşullarındaki Performansı. *KSU Doğa Bilimleri Dergisi*, 19(4), 438-444.

▪ National Papers, Seminars, etc.

1. Uğurer, M., Güngör, H., Demirtaş, M., Tekin, A., **Herek, S.**, Gezginç, H., Çerikçi, Ç., Dokuyucu, T., Dumlupınar, Z., Akkaya, A. 2016. Farklı Dozlarda Uygulanan Sodyum Azid (NaN₃) Kimyasalının Buğday Ve Yulafta Mutajen Etkisinin Belirlenmesi. *Bursa Tarım Kongresi*, Ekim 12-16, 2016, Bursa, Türkiye 1(1), 30-30. (Tam Metin Bildiri)
2. Tanrıku, A., Tekin, A., Aslan, E., **Herek, S.**, Kartal, S., Tekeli, F., Kara, R., Gezginç H. 2015. The comparative effects of different Leonarditin and Chemical Fertilizer Combinations on Bread Wheat In Terms of Physiological, Agricultural and Phenological Traits. *Uluslararası Katılımlı Toprak ve Su Kaynakları Kongresi*, 01-04 Eylül 2015 Kahramanmaraş, Türkiye, 77-78.
3. **Herek, S.**, Kartal, S., Tekin, A., Aslan, E., Tanrıku, A., Dumlupınar, Z., Dokuyucu, T., Gezginç, H., Akkaya, A. 2015. Yeni Geliştirilen Yulaf Çeşitleri ve Yerel Yulaf Hatlarının Verim ve Verim Unsurları Bakımından Değerlendirilmesi. *1. Tarla Bitkileri Kongresi*, 07-11 Eylül, 2015 Çanakkale, Türkiye, 230.

▪ OTHER PUBLICATIONS

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

1. 'Chemical Mutation Trials on Bread Wheat (*Triticum aestivum* L.) And Durum Wheat (*Triticum durum* Defs.) with Oat (*Avena sativa* L.) Varieties' (Master- Kahramanmaraş Sutcu Imam Universty, Institute of Natural and Applied Sciences, Department of Field Crops - 2017).
2. 'Isolation and Characterisation of Wheat/*Thinopyrum elongatum* Introgressions' (Doktora- University of Nottingham, School of Biosciences /Plant Sciences-2023).



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

- **Symposium**

22-25.09.2014: International Mesopotamia Agriculture Congress, Diyarbakır, Turkey

01-05.11.2015: II. International Plant Breeding Congress and Eucarpial – Oil and Protein Crops Section Conference, Antalya, Turkey

01-03. 12.2016: International Engineering, Science and Education Conference in Dicle University, Diyarbakır, Turkey

- **Membership**

Nottingham BBSRC Wheat Research Centre (Araştırmacı üye, 2017-2022)

Designing Future Wheat (Araştırmacı üye, 2018-2022)

Women in Crop Science (Üye, 2023-Halen)

- **Scholarship**

Ministry of Education, scholarship (2015-2023)