



TAGEM
R&D AND INNOVATION

TRANSITIONAL ZONE AGRICULTURAL
RESEARCH INSTITUTE/ ESKİŞEHİR

KADRIYE TAŞPINAR

Agricultural Engineer

EDUCATION

- MSc** 2001-2003 Ankara University Faculty of Agriculture
- Bachelor's Degree** 1992-1996 Ege University Faculty of Agriculture

LANGUAGE English KPDS 54 / ÜDS 53,75

CAREER

- 2011-... Engineer Transitional Zone Agricultural Research Institute - Plant Nutrition and Soil Unit - ESKİŞEHİR .
- 2007 -2011 Engineer Soil and Water Resources Research Institute – Soil Management Department - ESKİŞEHİR.
- 2005 -2007 Engineer Soil, Fertilizer and Water Resources Control Research Institute- Soil Management Department – ANKARA
- 2003 - 2005 Engineer Soil and Water Resources Research Institute – Soil Management Department – ESKİŞEHİR
- 2000 - 2003 Engineer Rural Services Research Institute-Catchment Management Department - ESKİŞEHİR


1998 - 2000 Engineer General Directorate Of Agricultural Reform – Didim-AYDIN

1997 - 1998 Teacher Cumhuriyet Yarı Yurdusun İlköğretim Okulu - DİMCÖY


ABOUT ME

I was born in 1973 in Eskişehir. In 1996, I graduated from Ege University Faculty of Agriculture Department of Soil Science. I completed my master's degree at Ankara University in 2003. I have been working as a researcher in research institutes since 2000. I have been working on plant nutrition, soil fertility, soil pollution.

CONTACT

 Eskişehir Transitional Zone Agricultural Research Institute
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■ **PROJECTS**

■ **Projects Conducted**

1. The Use of Sewage Sludge in Different Rotation Systems (2003-2008) Asistant Researcher.
2. Sustainable Waste Management in Agricultural Areas (2007-2009) Asistant Researcher
3. Application of Sludge Ankara - Yenikent soil of some Properties (chemical, physical and biological) and the Impact of Sustainable Utilization TUBITAK, TGAE (2006-2009). Asistant Researcher
4. Determination of Heavy Metal and Plant Nutrient Content of intensive agricultural areas of Eskisehir Province. (2008 – 2010) Asistant Researcher
5. The effects of nitrogen manure application on yield of no-till-aftercrop safflower growing under irrigated conditions in Eskisehir"(2011-2015) Researcher
6. Application of the Narrowed Area for Fertilizer Consumption in Wheat Fields. (2011-2015) Asistant Researcher
7. Researching Possibilities of Phosphorus Dissoves Plant Promotion Rhizobacteria Using As Biofertilizers (2011-2015) Asistant Researcher
8. Effects of Nitrogen, Phosphorus and Potassium Applications on Yield and Quality of Chestnut in Bursa region (2011-2013) Asistant Researcher
9. Wheat and sugar beet of Rotations (Interim Plant) Determining the Effects of Sugar Beet Yield Using as a Green Manure and Application of Reduced Nitrogen aqueous conditions Eskişehir (Project manager 2011-2016) Asistant Researcher
10. Effects of Different Calcium and Potassium Applications on Yield and Quality of Cherry ,in Afyonkarahisar / Sultandağı (2012-2016) Asistant Researcher
11. Effect of Soil and Foliar Boron Applications on Yiled and Quali of Sugar Beet In Central Anatolia (2012-2014) Asistant Researcher
12. Determination of Plant Nutrition Status and Potential Toxic Element Contents of Eskişehir, Kutahya and Bilecik Provinces Soils, Preparation of Soil Data Base and Soil Maps (2013-2016) Researcher
13. Effect of Soil and Foliar Boron Applications on Yield and Quali of Wheat In Central Anatolia (2013-2015) Asistant Researcher
14. Transitional Zone Agricultural Research Institute Innovation of the Soil-Plant-Water Analysis Laboratory and Physiology Laboratory (2014-2015) Asistant Researcher



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▪ Ongoing Projects

1. Determining Quality Parameters of Bread Wheat Breeding Material in Transitional Zone Agricultural Institute, (2018-2022), Asistant Researcher.
2. Isolation and characterization of plant growth promoting rhizobacteria from Eskişehir -Afyon providences and determination of the effectiveness of phosphorus-solubilizing bacteria. (2019-2023) (Asistant Researcher)
3. Determination of the Effects of Nitrogenous and Phosphorus Fertilizer Applications on Nutrient Content, Yield and Quality Characteristics of Quinoa in Eskişehir Conditions, (2020-2023), Researcher.
4. Determination of the Efficiency of Wheat-Chickpea and Wheat-The Narbon Vetch Planting Rotation with Different Sowing Methods in Eskişehir Rainfall Conditions, (2020-2025), Asistant Researcher.
5. The Effect of Soil and Foliar Iron Compounds on Biofortification in Bean (*Phaseolus vulgaris*) Plant, (2021 – 2023), Asistant Researcher.
6. Determination of the effectiveness of biofertiliser and biological fungicides in cumin (*Cuminum cyminum*) and material development studies by physical mutation application, (2021 – 2023), Asistant Researcher.



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■ **PUBLICATIONS**

■ **INTERNATIONAL ARTICLES AND PAPERS**

■ **Articles Published in International Journals**

1. Özkan, A., Banar, M., Çokaygil, Z., Kulaç, A., Yalçın, G., **Taşpınar, K.**, Altay,A. Pyrolysis of Zinc Contaminated Biomass from Phytore Mediation. ANADOLU UNIVERSITY JOURNAL OF SCIENCE AND TECHNOLOGY – A Applied Sciences and Engineering cilt16. Sayı: 2 (2015)
2. Özkan, A., Banar, M., Yalçın, G.,**Taşpınar, K.**, Altay,A. Pyrolysis of Plants After Phytoremediation of Contaminated Soil with Lead, Cadmium and Zinc. Bulletin of Environmental Contamination and Toxicology. ISSN 0007-4861.Volume 96.Number 3.Bull Environ Contam Toxicol96:415-419 DOI 10.1007/s00128-016-1746-2. (2016)
3. **Taşpınar, K.**, Ateş, Ö., Pınar, MÖ., Yalçın, G., Kızılaslan F., Fidantemiz, YF. Soil Contamination Assessment and Potential Sources of Heavy Metals of Alpu Plain Eskisehir Turkey, INTERNATIONAL JOURNAL OF ENVIRONMENTAL HEALTH RESEARCH, 0960-3123, (2021).
4. Toprak, S., Ateş, Ö., Yalçın G., **Taşpınar, K.** How Does N: P: K Fertilizer Applications in Different Levels Affect The Nutrition of Anatolian Chestnut (CastaneasativaMill.) ?, INTERNATIONAL JOURNAL OF ANATOLIA AGRICULTURAL ENGINEERING, 2021, 2667-7571, 2021, 3(1), 1-9.RESEARCH, 0960-3123. (2021)
5. **Taşpınar, K.**, Ateş, Ö., Yalçın, G., Kızılaslan F., Pınar MÖ. Soil Contamination and Healthy Risk Assessment Of Peach Orchards Soil Of Bilecik Province Turkey, INTERNATIONAL JOURNAL OF ENVIRONMENTAL HEALTH RESEARCH, 2021. DOI: 10.1080/09603123..1926439, (2021)
6. Toprak, S., Ateş, Ö., Yalçın G., **Taşpınar, K.** Changes in Qualitative and Quantitative Traits of Anatolian Chestnuts (CastaneasativaMill.) Fruit Due to Balanced Macro Fertilization. Yüzüncü Yıl University Journal of Agricultural Science Volume 31, Issue 2, (2021)

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

1. Polat,H. , **Taşpınar, K.** 2009.Waste Management Via Sustainable Environment Approach. International Symposium On Environment, 20-23 May 2009 Kyrgyzstan-Turkey Manas University, Bişkek-Kırgızistan.
2. **Taşpınar, K.**, Polat, H., Ateş,Ö.2009. Using Agricultural Wastes On Plant Nurition Via Enviromental Approach, International Symposium On Environment. 20-23 May 2009 Kyrgyzstan-Turkey Manas University , Bişkek-Kırgızistan.
3. **Taşpınar, K.**, Polat, H. , Ateş, Ö. 2009. The Soil Pollution Depending On Excessive Fertilizer Using İn Eskişehir Providance. International Symposium On Environment, 20-23 May 2009 Kyrgyzstan-Turkey Manas University, Bişkek-Kırgızistan.



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4. **Taşpınar, K.** , Polat, H., 2009. The Effect Of Composed Agricultural Waste On The Yield And Polar Value Rate Of Sugar Beet .International Conference On Plants And Enviromental Pollution, 6-11 July 2009, Kayseri –Turkey.
5. Özkan, A., Banar, M., Çokaygil, Z., Kulaç, A., Yalçın, G., **Taşpınar, K.**, Altay., 2013. Phytoremediation of Cadmium Contaminated Soil and Pyrolysis of Used Hyperaccumulator Plants.İnternational Solid Waste, Water and Waste water Congress 2013, İstanbul.
6. Özkan, A., Banar, M., Çokaygil, Z., Kulaç, A., Yalçın, G., **Taşpınar, K.**, Altay, A., 2013. Pyrolysis of Used Hyperaccumulator Plants in Phytoremediation of Soil Contaminated with Zinc. Digital Proceeding Of THE ICOEST'2013 - , June 18 – 21, 2013, Cappadocia Nevsehir, Turkey.
7. Yalçın, G., Çakır, S., Yavuz, R., **Taşpınar, K.**, Ateş, Ö., Alveroğlu, V., 2015. Effect on different wheat in the October-December the yield and yield components 4. National Land and Water Resources Congress. 1-4/09/2015 KAHRAMANMARAŞ
8. Ateş, Ö., Yalçın, G., **Taşpınar, K.**, Yılmaz, M.,2016. Determination of in Agricultural Land of Eskişehir Sarıcakaya District. 16-21 October 2016, Eurosoil 2016, İstanbul.
9. Emiroğlu, Ö., Aksu, S.,Başkurt , S., Kızılaslan, F., Ateş, Ö., **Taşpınar, K.**, Yalçın, G. 2017. Investigation the Contribution of Fish-Grown Ponds in Aquaculture to Plant Production, International Plant Science and Technology Congress. 21-25/08/2017, Üsküp/MAKEDONYA.
10. Emiroğlu, Ö., Aksu, S., Başkurt, S., Yaylacı, K., Kızılaslan, F., Ateş, Ö., **Taşpınar, K.**, Yalçın, G., 2017. Investigation of theUsability of an Ecological Harmful species, *Carassiusgibelio* as an Organic Fertilizer in the Fresh Waters Involved in Plant Production. İnternational Plant Science and Technology Congress. 21-25/08 /2017, MAKEDONYA/ ÜSKÜP.
11. Taşpınar, K., Yalçın, G., Ateş, Ö., Kızılaslan F. Fertility Status of Agricultural Soils in Bilecik Province. 5th İnternational Participation Soil and Water Resources Congres.12-15 September 2017. Kırklareli Turkey.
12. **Taşpınar K.**, Yalçın, G., Ateş, Ö.,Kızılaslan F., Pınar M.Ö., Aalveroğlu V., Toprak S., 2019. Fertility Status and Potential Nutrition Problems of Soil Orchards in Bilecik Province. 6 th Congress on Soil & Water Resources with International Participation, 12 -14 November 2019, Menemen-İzmir.
13. Kızılaslan F., Ateş, Ö., Alveroğlu, V., Yalçın, G., **Taşpınar, K.**, Turhan, E., 2019. Determination of the Effects of Calcium at Different Levels on Yield and Quality of Sweet Chery, 6 th Congress on Soil & Water Resources with International Participation, 12 -14 November 2019, Menemen-İzmir.



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▪ NATIONAL ARTICLES AND PAPERS

▪ Articles Published in National Journals

1. Yalçın, G., Yavuz, R., Taşpınar, K., Ateş, Ö., Yılmaz, M. 2011. Evaluation Of Sewage Sludge On Agricultural Lands. Yıldız Technical University Sigma 3; 156-164.

▪ National Papers, Seminars, etc.

1. **Taşpınar, K.**, Yılmaz, M., Polat, H. 2008. The Effects of Excess Use Of Fertilizers On Soil Pollution A Case Study: Sarıcakaya. Environmental Problems Symposium, 14-17 May 2008, Kocaeli.
2. Yalçın, G., Yavuz, R., **Taşpınar, K.**, Ateş, Ö., Yılmaz, M., Effects of Sludge application on Yield of Wheat and Potential Toxic Elements of Soil and Plants. National Solid Waste Management Congress, 27-29 May 2009 Eskişehir.
3. **Taşpınar, K.**, Polat, H. 2009. Environment and Waste Management in Agricultural Area. National Solid Waste Management Congress, 27-29 May 2009, Anadolu University, Eskişehir.
4. Yalçın, G., Yavuz, R., **Taşpınar, K.**, Ateş, Ö., Yılmaz, M., Solid Waste Assessment in the Field of Agriculture. TÜRKAY 2009 Solid Waste Management Symposium in Turkey, 15-17 June, 2009 İstanbul
5. Polat, H., **Taşpınar, K.**, Toprak, S. 2009. Application of The Band Method for Weed Control in Wheat Fields. The Third Plant Protection Congress Of Turkey, 15-18 July 2009, Van.
6. Polat, H., **Taşpınar, K.** 2009. Application of the Narrowed Area Method for Fertilizer Consumption in Wheat Fields. Turkey VIII. field crops congress, 19-22 October 2009, Mustafa Kemal University, Hatay.
7. Polat, H., **Taşpınar, K.**, Yalçın, G., Almaca, N.D. 2009. Using Agricultural Wastes on Organic Agriculture via Environmental and Natural Source Approach. 1.GAP Organic Agriculture Congress, 17-20 November 2009, Şanlıurfa.
8. **Taşpınar, K.**, Polat, H., 2009. The Alternative Agricultural Application Against Conventional Agriculture. 1. national symposium on drought and desertification, 16-18 June 2009, Konya.
9. **Taşpınar, K.**, Polat, H., Yalçın, G. 2009. Determine The Leguminosae Plant Fixed The Most Nitrogen After Wheat Harvest in Eskişehir Conditions. Turkey VIII. field crops congress, 19-22 October 2009, Mustafa Kemal Üniversitesi, Hatay.
10. **Taşpınar, K.**, Polat, H., Toprak, S., Yalçın, G. 2009. . Application of the Narrowed Area Method for Weed Control in Organic Wheat Fields. 1.GAP Organic Agriculture Congress, 17-20 November 2009, Şanlıurfa.



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11. Yalçın, G., Yavuz, R., **Taşpınar, K.**, Ateş, Ö., Yılmaz, M., “Use of Sewage Sludge in Agriculture “ Seminar On The Urban WasteWaterTreatment Directive – Legislations&Implementations”TAIEX, ESKİŞEHİR Provincial Directorate of Environment and Forestry Seminar, 06-07 May 2009 Eskişehir.
12. Yalçın G., Yavuz R., Yılmaz M., **Taşpınar K.**, Ateş Ö., 2010. Evaluation of Solid Waste Zinc Source in Agricultural Areas 1. National Land and Water Resources Congress. 1-4 June 2010, Eskişehir.
13. **Taşpınar K.**, Polat H., Ateş Ö., 2010. Effect on the germination and root growth phosphorus, I.National Soil and Water Sources Congress, 1-4 June 2010, Eskişehir.
14. **Taşpınar, K.** , Polat, H. , Yalçın, G., 2010. Production of Leguminous Forage Crops as Second Crop in Organic Agriculture Enterprises, I. Organic Livestock Congress, 1-4 July 2010, Kelkit-Gümüşhane.
15. **Taşpınar K.**, Yalçın G., 2011. Comparison Oil Contents of Main Crop Sufflower and No-Tillage Aftercrop Sufflowerın Eskişehir Irrigated Conditions, II. National Soil and Water Sources Congress, 22-25 November 2011, Ankara.
16. Özkan, A., Banar, M., Çokaygil, Z., Kulaç, A., Yalçın, G., **Taşpınar, K.**, Altay., 2013. Evaluation Lead, Cadmium and Zinc Soil contaminated with the hyperaccumulators Plants With Treatment And this Plant 5. National Solid Waste Management Congress UKAY 2013, Kocaeli.
17. Yalçın, G.,**Taşpınar, K.**, Ateş, Ö., Kızılaslan, F., Toprak S., 2016. The Effect of Green Fertilizer on Soil Properties as a Intermediate Plant in Alternation. 7. Plant Nutrition and Fertilization Congress, 12-16/Ekim/2016 , Adana.
18. Yalçın, G., Ateş, Ö., **Taşpınar, K.**, Kızılaslan, F., Isolation and Determination of Efficacy of Phosphorus Solvent Bacteria in Eskişehir Province. Türkiye 12th Field Crops Congress. 12-15/September/ 2017, Kahramanmaraş.

▪ **OTHER PUBLICATIONS**

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

1. **Taşpınar, K.** 2003. Organic Farming Principles and İmplementation Status of Our Country. A.Ü. Science Institute, Ankara.
2. Cebel, N., Usul, M., Dilsiz, A., **Taşpınar, K.** 2007. Determination of the Effect of Process Cooling Water Sludge on Soil Fertility and Reclamation in Ereğli Iron and Steel Factory. (Report)
1. 3. **TAŞPINAR, K.**, ÖZTÜRK, M., ALTAY, V., POLAT, H. 2019. Sugar Beet: An Overutilized Ancient Crop. Chapter 14, p:321-365. Crop Production Technologies for Sustainable Use and Conservation- Apple Academic Press.



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

1. Handheld GPS Course, 2003. Directorate of Training Center, Ankara
2. Varion 710-OES ICP User Training Course, 2006. Soil, Fertilizer and Water Resources Control Research Institute- Soil Management Department – ANKARA
3. English Language Training, 2008. Turkish-American Association, Ankara
4. English Language Training, 2009. The Turco-British Association, Ankara
5. Transitional Zone Agricultural Research Institute, ESKİŞEHİR,
 - The accreditation process,
 - TS EN ISO/IEC 17025 (General requirements for the competence of testing and calibration laboratories),
 - TS EN ISO/IEC 17025 According to the standard documentation 09-11/12/2013
 - TS EN ISO/IEC 17025 According to the standard internal audits 12-13/12/2013
 - Method validation training 11-14/03/2014
6. Training of Soil Analysis Laboratories Authorization and Inspection Commission Members, TRGM, 4-8 April 2018, Antalya.