



TAGEM
R&D AND INNOVATION

CENTRAL RESEARCH INSTITUTE FOR FIELD
CROPS/ ANKARA

HÜMEYRA YAMAN, PhD Agricultural Engineer

EDUCATION

Assoc. prof

PhD

2014

Ankara University
Agricultural Faculty

MSc

2005

Ankara University
Agricultural Faculty

Bachelor's Degree

2003

Ankara University
Agricultural Faculty

LANGUAGE

English YÖKDİL 76,25 / YDS 62

CAREER

2022-... Acting Director, Central Research Institute for Field Crops, Ankara

2016-2022 Unit Chief, Biotechnology Research Center, Central Research Institute for Field Crops, Ankara

2009-2016 Researcher, Central Research Institute for Field Crops, Ankara

2005-2009 Junior Scientist, Food Control Laboratory Directorate, Şanlıurfa

ABOUT ME

She was born in 1979 in Ankara. She is from Kızılcahamam. She completed her primary, secondary and high school education in Ankara, Abidinpaşa Primary School and Tevfik İleri Central Religious Vocational School, respectively. She is graduated from Ankara University, Faculty of Agriculture, Department of Field Crops in 2002. In 2005, she completed her master's degree on grass plants at Ankara University, Institute of Science and Technology, Department of Field Crops. In 2009; she started in the field of 'Biotechnology in Oil Crop Plants' at Ankara University, Institute of Science, Department of Field Crops. She completed her doctorate in 2014. In 2005, she started to work as an Agricultural Engineer at the Ankara Food Control Laboratory Directorate of the Ministry of Agriculture and Forestry. She worked in the chemical analysis laboratory for two years. She has been working as a Researcher at Ankara Field Crops Central Research Institute since 2007. In 2016, she started to work as Head of Department at Ankara Field Crops Central Research Institute, Biotechnology Research Center. She participates in meetings in the field of Biotechnology in various international and national organizations and operates on behalf of the Ministry of Agriculture and Forestry (Industry and Technology Association, Ankara Development Agency, Economic Cooperation Organization (ECO), OECD-Biotechnology Group....). Her field of study is mainly oilseed plants and biotechnology applications. She has published studies in the fields of molecular marker technology, genetic characterization, oilseeds, plant breeding, tissue culture and micropropagation. In addition to her scientific publications, she has been the editor-in-chief of Biotech Studies, the journal of the Field Crops Central Research Institute since 2019. The journal, which has been published since 1992, operates on the international platform in 2020 and is currently scanned in the TR index. She works as an assistant researcher in projects supported by national and international funds. In addition, she provides consultancy to public institutions on laboratory setup and device supply. HümeYra Yaman, who got married in 2010, has a daughter and a son.

CONTACT

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 312 344 76 39



HÜMEYRA YAMAN, PhD

Agricultural Engineer

TAGEM
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■ PROJECTS

PROJECT NUMBER/ SUPOORTING INSTITUTION	EMPLOYMENT in PROJECT	PROJECT TITLE
TAGEM (REPUBLIC OF TURKEY MINISTRY OF AGRICULTURE AND FORESTRY GENERAL DIRECTORATE OF AGRICULTURAL RESEARCH AND POLICIES)	Project leader 01.03.2012- 01.03.2013	Effects of Different Doses of Gamma Ray on Safflower (Carthamus tinctorius L.) Varieties on Some Agricultural Characteristics and In vitro Adventitious Shoot Regeneration of M1 and M2 Plants.
TAGEM	Researcher 15.05.2010-31.12.2013	Investigation of the Possibilities of Using Wild Species Belonging to Carthamus L. Genus as Breeding Material to Develop a Winter-resistant Safflower Variety
TUBITAK (THE SCIENTIFIC AND TECHNOLOGICAL RESEARCH COUNCIL OF TURKEY)	Researcher 15.02.2008-15.02.2011	Genus Endemic and Endangered Dye Flower (Neotchihatchewia isatidea (Boiss.) Rauschert) Cultivation, In Vitro Rapid Reproduction and Morphological and Molecular Characterization
TUBITAK-4004	Instructor 2013	A young perspective on biotechnology
TUBITAK -2223	Expert - Turkish-German Cooperation Project 2014	Molecular approaches in plant breeding and microbial biotechnology
TAGEM	Project Researcher 2014-2016	Molecular Characterization and Determination of Agricultural Properties of Selected Materials from Some Camelina Populations.
TAGEM	Project Researcher 01.01.2015-31.12.2018	Research on Creation of Viruses Free Polycross Plot in Alfalfa.
TAGEM TBAD / 16 / A04 / P01 / 01	Project Researcher 2016-2021.	Safflower Breeding Studies.
TAGEM	Coordinator 2016-2018	Optimization of micropropagation method in some Turkish hazelnut varieties. TAGEM- The project carried out by the order of the General Directorate.



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■ PROJECTS

TAGEM / 17 / A07 / P04 / 08/01	Project Researcher 2017-2019	Physiological Characterization of Cold Stress Resistance of Some Camelina (<i>Camelina sativa</i> (L.) Crantz) Genotypes
TAGEM	Project Researcher 2021-2026	Safflower Breeding Studies
TAGEM	Project Researcher 2021-2025	Central Anatolia Region Snack Sunflower Breeding Studies
TAGEM	Project Researcher 2021-2025	Ülkesel Kışlık Buğday Islah Çalışmaları Koordinasyonu. 01.01.2023-31.12.2027. Bütçe: 500.000 Yardımcı Araştırmacı
TAGEM	Project Researcher 2021-2025	Yr15 Dayanıklılık Geninin Aktarılarak Biyoteknolojik Yöntemler Yardımıyla Kısa Sürede Warrior Sarı Pas (<i>Puccinia striiformis</i> f. sp. <i>tritici</i>) Irkına Dayanıklı Ekmeklik Buğday (<i>Triticum aestivum</i> L.) Hatlarının Geliştirilmesi. 01.01.2023-31.12.2025. Bütçe: 149.500 Yardımcı Araştırmacı.
ULUSLARARASI- Core-Organic	Project Researcher 2021-2024	Mixed Cultivation of Camelina and Nearly Forgotten Local Products and Development of Cultivation Systems to Increase Product and Quality Parameters - 01.01.2021-01/11/2024. Bütçe: 74.520 Euro
ULUSLARARASI- TİKA, İslam İşbirliği	Project Researcher 2019-2024	Reverse Linkage project between Bangladesh and Turkey on “Enhancing Capacity in Cotton Varieties Development”. (Project Code BGD1038). 2019-2024. Bütçe: 1 milyon \$.
DKMP/TAGEM Protocol	Project Researcher 2020-2030	Ankara İlinde Nesli Tehlike Altında Olan Bitki Türlerinin Korunmasına Yönelik Kurumlar Arası İşbirliği.
BÜGEM-TAGEM Yönerge	Project Researcher 2020-2025	Guidelines for Cooperation between the General Directorate of Crop Production and the General Directorate of Agricultural Research and Policy for the Molecular Identification of Variety/Variety Candidates.



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■ **PUBLICATIONS**

1. Uranbey, S., İpek, A., Başalma, D., Çalışkan, M., Çöçü, S., Güneylioğlu, H. ve Gürlek, D., 2008. Stimulating effect of different cytokinin types and their concentration on bulbet formation of *Muscari aucheri* using- bulb-scale segments. *Physiologia Plantarum*. 133 (3), Abstract.
2. Uranbey, S., İpek, A., Caliskan, M., Dundar, E., Cocu, S., Basalma, D., Guneylioglu, H. 2010. In vitro bulblet induction from bulb scales of endangered ornamental plant *Muscari azureum*. *Biotechnology & Biotechnological Equipment*. 24 (2): 1-6.
3. Arslan, Y., Katar, D., Güneylioğlu, H., Subaşı, İ., Şahin, B., Bülbül, A. S., 2010. Türkiye Florasındaki Yabani *Carthamus L.* Türleri ve Aspir (*C. tinctorius L.*) Islahında Değerlendirme Olanakları. *Tarla Bitkileri Merkez Araştırma Enstitüsü Dergisi*, 2010, 19 (1-2): 36-43 Derleme (Review) (Ulusal Hakemli Dergi)
4. Yaman, H., Katar, D., Bayraktar, N. 2012. Aspir (*Carthamus tinctorius L.*) Çeşitlerinin Çıkış ve Genç Bitki Gelişimi Döneminde Bor Toksikitesi Etkisinin Belirlenmesi. *Tarla Bitkileri Merkez Araştırma Enstitüsü Dergisi*. 21 (1): 8-15. Araştırma Makalesi (Research Article) (Ulusal Hakemli Dergi)
5. Katar, D., Yaman, H., Subaşı, İ., Arslan, Y. 2013. Meryemana Dikeni (*Silybum marianum (L.) Gaertn.*) Bitkisi Tohumlarına Farklı Dozlarda Gama Isını Uygulamasıyla Elde Edilen M1 Bitkilerinin Fidelerinin Bazı Özelliklerinin Belirlenmesi. *Süleyman Demirel Üniversitesi Ziraat Fakültesi Dergisi* 8 (1):78-83. Araştırma Makalesi (Research Article) (Ulusal Hakemli Dergi)
6. Tarıkahya Hacıoğlu, B., Yaman H., Arslan Y., Subaşı, İ., Katar, D. 2013. Investigation of molecular diversity of Asian safflower (*Carthamus tinctorius L.*) accessions by RAPD markers for using in hybridization program. *Research on Crops*. 14(1).
7. Yaman, H., Tarıkahya-Hacıoğlu, B., Arslan, Y., Subaşı, İ. 2014. Molecular characterization of the wild relatives of safflower (*Carthamus tinctorius L.*) in Turkey as revealed by ISSRs. *Genet Resour Crop Evol* (2014) 61:595–602.
8. Yaman, H. ve Bayraktar, N. 2015. Aspir (*Carthamus tinctorius L.*) Çeşitlerine Uygulanan Farklı Dozda Gama Işınının M1 ve M2 Bitkilerinin Bazı Tarımsal Özellikleri Üzerine Etkileri. 11. Tarla Bitkileri Kongresi (7-10 Eylül, Çanakkale) (Sunulu Bildiri). (Özet kitap sayfa; 90) ULUSAL KONGRE
9. Yaman, H., Bayraktar, N. Ve Efeoğlu, B. 2015. The Effects Of Different Doses Of Gamma Rays On In Vitro Adventitious Shoot Regeneration In Safflower. Abstract Book II. International Plant Breeding Congress And Eucarpia – Oil And Protein Crops Section Conference. (1-5 November) page: 206 ULUSLARARASI KONGRE
10. Yaman, H., Karaoğlu, C., Keyvanoğlu, H., Subaşı, İ. ve Arslan, Y. 2015. Embryo Rescue Studies In Safflower (*Carthamus tinctorius L.*). Abstract Book II. International Plant Breeding Congress And Eucarpia – Oil And Protein Crops Section Conference. (1-5 November) page: 206 ULUSLARARASI KONGRE
11. Efeoğlu, B., Yaman, H., Ermiş, H., Subaşı, İ., Arslan Y. 2017. Tarla Koşullarında Bazı Peleminir (*Cephalaria syriaca L.*) Genotiplerinin Farklı Fizyolojik Gelişim Dönemlerindeki Fotosentetik Performans Yanıtları. 12. Tarla Bitkileri Kongresi. 12-15 Eylül. Kahramanmaraş.
12. Yaman, H., Ulu, K.N., Tarıkahya Hacıoğlu, B., Arslan Y. ve Subaşı, İ. 2017. Molecular Characterization of Materials Selected from Some *Camelina sativa (L.) Crantz*. Populations. *Makale. Anadolu Dergisi*. ISSN: 1300 - 0225 27 (2) 2017, 123 - 126 MFAL



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■ PUBLICATIONS

- 13.** Çetin Özkan, G., Koyuncu, N., Çelik Özer, G., Özcan, S.F., Ertekin Öner, F., Yaman, H., Ayaz K., Yetilmezer Koçak, E., Demir, Ü.S. 2017. Effects Of Antioxidants To Tissue Browning Problems Of Hazelnut Cultures. IX. International Congress on Hazelnut - August 15-19, Samsun. (POSTER) ULUSLARARASI KONGRE
- 14.** Çelik Özer, G., Koyuncu, N., Çetin Özkan, G., Ertekin Öner, F., Özcan, S.F., Yaman, H., USLU, T., Maraş Vanlıoğlu, F. ve Şahin, E.S. 2015. Effects Of Antibiotic And Fungicide Usage During Sterilization Of Hazelnut Shoots. IX. International Congress on Hazelnut - August 15-19, Samsun. (POSTER) ULUSLARARASI KONGRE
- 15.** Büker, E., Çetinkaya, S., Arslan, Y., Subaşı, İ. ve Yaman, H. 2017. Camelina sativa (L.) Crantz'ın farklı ekstrelerinin antioksidan değeri ve allil izotiyosiyanat içeriği açısından karşılaştırılması. İVEK Uluslararası İlaç ve Eczacılık Kongresi / 26-29 Nisan. İstanbul. (POSTER) ULUSLARARASI KONGRE
- 16.** Çetinkaya, S., Büker, E., Subaşı, İ., Arslan, Y. ve Yaman, H. 2017. Camelina sativa (L.) Crantz'ın bazı ekstrelerinin toplam fenolik ve flavonoid içeriği açısından incelenmesi. İVEK Uluslararası İlaç ve Eczacılık Kongresi / 26-29 Nisan. İstanbul. (POSTER) ULUSLARARASI KONGRE
- 17.** Yaman, H., Çalışkan, M., Ölmez, F., Yıldız, A., Ünal, A., Karaoğlu, C., Ertekin Öner, F., Erol Demirebilek, M., Yetilmezer Koçak, E., Koyuncu, N., Çetin Özkan, G., Efeoğlu, B., Özcan, F., Ayaz, K., Bıyık, E., Çetinkaya, S., Uslu, T., Gündüz Ergün, Burcu., Maraş Vanlıoğlu, F.G., Demir, Ü.S., Şahin, E.S., Sağkol, M. ve Coşkun, Y. 2017. Biotechnology Research Center. International Symposium on Biodiversity and Edible Wild Species. 03 – 05 Nisan. Antalya. (POSTER) ULUSLARARASI KONGRE
- 18.** Yaman, H., Ulum, K.N., Tarıkahya Hacıoğlu, B., Arslan, Y. ve Subaşı, İ. 2017. Molecular Characterization of Materials Selected from Some Camelina sativa (L.) Crantz. Populations. International Symposium on Biodiversity and Edible Wild Species. 03 – 05 Nisan. Antalya. (POSTER) ULUSLARARASI KONGRE
- 19.** Koyuncu, N., Yaman, H., Özcan, F.S. ve Haydaroğlu, Ü.S., 2018. 'Palaz' Fındık Çeşidinin Mikroçoğaltımında Ex vitro Köklendirme. Uluslararası Katılımlı Türkiye 6. Tohumculuk Kongresi, 10-13 Eylül Niğde. (Sunulu Bildiri)
- 20.** Maraş-Vanlıoğlu, F. G., Yaman, H., Kayaçetin, F., 2020. Genetic Diversity Analysis of Some Species in Brassicaceae Family with ISSR Markers. Biotech Studies. Vol: 29 issue:1, page: 38-46.
- 21.** Yaman, H. Ve Bayraktar, N. 2021. The Effects Of Different Gamma-Ray Dosages On Safflower (Carthamus Tinctorius L.) Varieties On Agricultural Features Observed In M1 And M2 Plants. Henüz Yayınlanmadı.



HÜMEYRA YAMAN, PhD
Agricultural Engineer



▪ **OTHER PUBLICATIONS**

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

Master Thesis

Evaluation of Agricultural Characteristics of Perennial Grass (*Lolium Perenne* L.) Varieties in Ankara Conditions. Ankara University Institute of Science and Technology. Advisor: Prof. Dr. Cafer Sırrı SEVİMAY

PhD Thesis

Effects of Different Gamma Ray Doses on Safflower (*Carthamus Tinctorius* L.) Cultivars on Some Agricultural Properties and In Vitro Adventitious Shoot Regeneration of M1 and M2 Plants. Advisor: Prof.Dr.Nilgün BAYRAKTAR



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

EDUCATION NAME	DATE	SUBJECT
1-‘Utilization and Application of Marker Assisted Selection in Wheat Breeding Program Using the Known Cereal Cyst Nematode Resistance Genes as a Model’. Central Research Institute for Field Crops and CIMMYT-ANKARA & ICARDA. (Katılımcı)	18- 22 February,2008	Biotechnology
2-Molecular Systematics: DNA Barcoding and Bioinformatics. (Katılımcı)	31.08- 04.09.2010	Molecular Biology
3-“DNA Molecular Marker Techniques for Crop Improvement” Suriye/Aleppo’da. (Katılımcı)	17-2.08.2008	Biotechnology
4.Bitki Biyoteknolojisinin Tarımsal Uygulamaları I. TKB Tarımsal Araştırmalar Genel Müdürlüğü, (Eğitimci).	28-29.04. 2008	Biotechnology
5.Bitki Biyoteknolojisinin Tarımsal Uygulamaları II. TKB Tarımsal Araştırmalar Genel Müdürlüğü, (Eğitimci).	23-24.09. 2008	Biotechnology
6.Bitki Biyoteknolojisinin Tarımsal Uygulamaları III. TKB Tarımsal Araştırmalar Genel Müdürlüğü, (Eğitimci).	18-19.12.2008	Biotechnology
7.“Bitki Doku Kültürleri, Transgenik Bitkiler, Moleküler Markörler ve İslahta Kullanımı” (Eğitimci).	13-15.04.2009	Biotechnology
8.“Bitki Doku Kültürleri, Transgenik Bitkiler, Moleküler Markörler ve İslahta Kullanımı” (Eğitimci).	05.04- 07.04.2010	Biotechnology
9.“Bitki Doku Kültürleri, Transgenik Bitkiler, Moleküler Markörler ve İslahta Kullanımı” (Eğitimci).	19-21.10.2011	Biotechnology
10.“Biyoteknolojinin Tarımsal Araştırmalarda Yeri ve Geleceği Çalıştayı” (Katılımcı)	29.03.16	Biotechnology
11.‘İngilizce Kursu’ (Katılımcı)	01-03 2018	EEC Language
12. KASP ile Akıllı İslah (Katılımcı)	7-14.10.2019	Biotechnology
13. “Güvenilir Veri Analizi, Gelişen Biyoteknoloji”(Katılımcı)	17-28.08.2020	Biotechnology



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

14. ‘Bitki Islahında Yenilikçi Teknolojiler ve Teknikler’ Sanal Seminer (Virtual Seminar on Novel Technologies and Techniques in Plant Breeding) USDA-FAS ve TAGEM (Katılımcı)	17-18.11. 2020	Biotechnology
15. CRISPR-Cas: GEN DÜZENLEME UYGULAMALARI (Hacettepe Üniversitesi HÜNİTEK IFBBC Uluslararası Gıda Biyogüvenlik ve Biyoteknoloji Araştırma ve Yayım Merkezi. (Katılımcı)	09-10.01.2021	Biotechnology
16. COMPETITIVE RESEARCH PROPOSAL FOR PRIMA Programme Capacity-Building Workshop. (Katılımcı)	25-26.01.2021	PRIMA Education
16. MEB - Bilim Ve Sanat Merkezi Öğrencileri İçin Tagem Tarafından Verilecek Online Öğrenci Eğitim İçerikleri. Tarımsal Biyoteknoloji ve tekn. (Eğitimci)	10.02.2021	Agricultural Biotechnology and Techniques
17. Temel Patent Eğitimi (Katılımcı)	6.07.2021	PATENT Office
18. Tohumculuk Sektöründe CRISPR/Cas9 (Katılımcı)	4.03.2021	Online / Türkiye Tohumculuk Endüstrisi Derneği
19. 5th meeting of the OECD Working Party on the Harmonisation of Regulatory Oversight in Biotechnology. (Katılımcı)	01.03.2021 – 03.03.2021	Online / OECD
20. Moleküler Markırların Bitki Islahında Kullanımı Uygulamaları (Eğitimci)	24-28.12.2021	Biotechnology
21. Training and Workshop New Breeding Technologies for Food and Nutritional Security (Eğitimci-Katılımcı)	30.11.2021 – 02.12.2021	COMCEC/COMSTECH-ISEDAK/ODTÜ



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

ACTIVITIES CONDUCTED
1. BIOTECH STUDIES Journal Chief Editor 2. Field Crops Central Research Institute - Editorial Board 3. 'Biotech Studies' WEBİNAR arrangement 2021

EXTERNAL DUTY- BOARD			
2015-2018	Biotechnology Working Group membership	Republic of Turkey Ministry of Industry and Technology, Ankara	Biotech strategy and Action Plan
2018-2019	Technical Board Membership	Ankara Development Agency	Ankara Regional Innovation Strategy, Biotechnology focus group
2019-.....	Journal of BIOTECH STUDIES	Field Crops Central Research Institute	Chief Editor
2020-....	Technical Board Membership	Economic Cooperation Organization (ECO)-TAGEM	Economic Cooperation Organization (ECO) Regional Planning Council (BPK) Priority Area 6 Agricultural Bio-technology Network
2020-.....	Technical Board Membership	OECD-TAGEM Biotechnology Group	OECD-Harmonisation of Regulatory Oversight in Biotechnology