

# Prof. HATİCE DAĞHAN

## Personal Information

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## International Researcher IDs

ORCID: 0000-0002-0150-5882

Publons / Web Of Science ResearcherID: ABG-2571-2021

ScopusID: 6507423212

Yoksis Researcher ID: 17710

## Education Information

Doctorate, Rheinisch-Westfaelische Technische Hochschule Aachen, Fakultat für Mathematik, Informatik und Naturwissenschaften, Institut für Umweltforschung (Biology V), Germany 2000 - 2004

Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, Toprak Bilimi Ve Bitki Besleme (YI) (Tezli), Turkey 1993 - 1997

Undergraduate, Cukurova University, Ziraat Fakültesi, Toprak Bilimi Ve Bitki Besleme Bölümü, Turkey 1989 - 1993

## Foreign Languages

English, B2 Upper Intermediate

## Certificates, Courses and Trainings

Other, Plant Biotechnology Practical Course , RWTH Aachen University, Molecular Biology Department, Aachen, GERMANY, 2000

Other, Plant Biotechnology Course , The Mediterranean Agricultural Institute of Chania (MAICh), 1999

Other, Mikoriza Workshop , University of Çukurova, 1998

## Dissertations

Doctorate, Phytoextraction of Heavy Metal from Contaminated Soils Using Genetically Modified Plants, Technischen Hochschule Aachen, Ziraat, 2004

Postgraduate, The effect of zinc nutrition on the infection of fungi that cause root and crown rot in wheat, Cukurova University, Fen Bilimleri Enstitüsü, Toprak, 1997

## Research Areas

Agricultural Sciences, Agriculture, Environmental Engineering

## Academic Titles / Tasks

Professor, Eskisehir Osmangazi University, ZİRAAT FAKÜLTESİ, TOPRAK BİLİMİ VE BİTKİ BESLEME BÖLÜMÜ, 2019 - Continues  
Associate Professor, Eskisehir Osmangazi University, ZİRAAT FAKÜLTESİ, TOPRAK BİLİMİ VE BİTKİ BESLEME BÖLÜMÜ, 2014 - 2019  
Assistant Professor, Eskisehir Osmangazi University, ZİRAAT FAKÜLTESİ, TOPRAK BİLİMİ VE BİTKİ BESLEME BÖLÜMÜ, 2013 - 2014  
Assistant Professor, Mustafa Kemal Üniversitesi, Ziraat Fakültesi, Toprak Bilimi Ve Bitki Besleme Bölümü, 2006 - 2011  
Research Assistant, Mustafa Kemal Üniversitesi, Ziraat Fakültesi, Toprak Bilimi Ve Bitki Besleme Bölümü, 2004 - 2006  
Research Assistant, Rheinisch-Westfaelische Technische Hochschule Aachen, Faculty Of Mathematics, Computer Science And Natural Sciences, Biology V, 2000 - 2004  
Research Assistant, Mustafa Kemal Üniversitesi, Ziraat Fakültesi, Toprak Bilimi Ve Bitki Besleme Bölümü, 1995 - 2000

## Academic and Administrative Experience

Ethics Committee Member, Eskisehir Osmangazi University, ZİRAAT FAKÜLTESİ, TOPRAK BİLİMİ VE BİTKİ BESLEME BÖLÜMÜ, 2023 - Continues  
Fakülte Yönetim Kurulu Üyesi, Eskisehir Osmangazi University, ZİRAAT FAKÜLTESİ, TOPRAK BİLİMİ VE BİTKİ BESLEME BÖLÜMÜ, 2022 - Continues  
Fakülte Kurulu Üyesi, Eskisehir Osmangazi University, ZİRAAT FAKÜLTESİ, TOPRAK BİLİMİ VE BİTKİ BESLEME BÖLÜMÜ, 2022 - Continues  
Head of Department, Eskisehir Osmangazi University, ZİRAAT FAKÜLTESİ, TOPRAK BİLİMİ VE BİTKİ BESLEME BÖLÜMÜ, 2022 - Continues  
Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi, Eskisehir Osmangazi University, ZİRAAT FAKÜLTESİ, TOPRAK BİLİMİ VE BİTKİ BESLEME BÖLÜMÜ, 2021 - Continues  
Ethics Committee Member, Eskisehir Osmangazi University, REKTÖRLÜK, 2020 - Continues  
Eskisehir Osmangazi University, ZİRAAT FAKÜLTESİ, Toprak Bilimi Ve Bitki Besleme Bölümü, 2020 - Continues  
Bölüm Akademik Teşvik Değerlendirme Komisyonu Başkanı, Eskisehir Osmangazi University, ZİRAAT FAKÜLTESİ, TOPRAK BİLİMİ VE BİTKİ BESLEME BÖLÜMÜ, 2015 - Continues  
Academic Performance D. Board Member, Eskisehir Osmangazi University, ZİRAAT FAKÜLTESİ, TOPRAK BİLİMİ VE BİTKİ BESLEME BÖLÜMÜ, 2022 - 2023  
Academic Performance D. Board Member, Eskisehir Osmangazi University, ZİRAAT FAKÜLTESİ, TOPRAK BİLİMİ VE BİTKİ BESLEME BÖLÜMÜ, 2019 - 2022  
Birim Kalite Komisyonu Başkanı, Eskisehir Osmangazi University, ZİRAAT FAKÜLTESİ, TOPRAK BİLİMİ VE BİTKİ BESLEME BÖLÜMÜ, 2019 - 2021  
Eskisehir Osmangazi University, ZİRAAT FAKÜLTESİ, Toprak Bilimi Ve Bitki Besleme Bölümü, 2015 - 2018  
Assistant Manager of Research and Application Center, Eskisehir Osmangazi University, REKTÖRLÜK, 2013 - 2018  
Eskisehir Osmangazi University, ZİRAAT FAKÜLTESİ, Toprak Bilimi Ve Bitki Besleme Bölümü, 2013 - 2015

## Courses

Soil Science, Undergraduate, 2020 - 2021, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015  
TOPRAKTA VERİMLİLİK ANALİZLERİ, Postgraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2016 - 2017, 2015 - 2016  
TARIM VE ÇEVRE, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017  
BİTKİLERDE MİNERAL BESLENME BOZUKLUKLARI, Postgraduate, 2020 - 2021, 2018 - 2019, 2017 - 2018, 2016 - 2017  
Soil Science, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2015 - 2016, 2014 - 2015  
FİTOREMEDİASYON, Postgraduate, 2018 - 2019, 2017 - 2018  
TOPRAK VE BİTKİ ANALİZLERİ, Postgraduate, 2014 - 2015, 2013 - 2014

## Advising Theses

- Dağhan H., Effects of Zinc Oxide Nanoparticle Application on Growth and Zinc Uptake of Durum Wheat, Postgraduate, G.NAZİK(Student), 2023
- Dağhan H., Demir oksit nanopartikül (FeO-NP) uygulamasının topraksız kültürde yetiştirilen fasulye (*Phaseolus vulgaris* L.) bitkisinin büyümesi üzerine etkileri., Postgraduate, M.BİÇER(Student), 2023
- Dağhan H., Nano zno uygulamasının tütün bitkisinin cd fitoekstraksiyonuna etkisinin araştırılması, Postgraduate, M.BEŞER(Student), 2020
- Dağhan H., Nano-ZnO uygulamasının aspir bitkisinin kadmiyum fitoekstraksiyonuna etkisinin araştırılması, Postgraduate, F.AHMET(Student), 2019
- Dağhan H., Kurşun metali ile kirlenmiş toprakların transgenik bitki kullanılarak temizlenme olanaklarının araştırılması, Postgraduate, A.EREN(Student), 2010

## Jury Memberships

- Doctoral Examination, Doctoral Examination, Artvin Çoruh Üniversitesi, February, 2022
- Post Graduate, Post Graduate, Eskişehir Osmangazi Üniversitesi, January, 2022
- Associate Professor Exam, Associate Professor Exam, Çukurova Üniversitesi, September, 2021
- Associate Professor Exam, Associate Professor Exam, Hatay Mustafa Kemal Üniversitesi, October, 2020
- Doctoral Examination, Doctoral Examination, Akdeniz Üniversitesi, July, 2020
- Doctoral Examination, Doctoral Examination, Mersin Üniversitesi, June, 2020
- Associate Professor Exam, Associate Professor Exam, Bolu Abant İzzet Baysal Üniversitesi, March, 2020
- Post Graduate, Post Graduate, Mersin Üniversitesi, November, 2019
- Post Graduate, Post Graduate, Mersin Üniversitesi, November, 2019
- Associate Professor Exam, Associate Professor Exam, Manisa Celal Bayar Üniversitesi, October, 2019
- Post Graduate, Post Graduate, Mersin Üniversitesi, June, 2019
- Post Graduate, Post Graduate, Isparta Uygulamalı Bilimler Üniversitesi, January, 2018
- Post Graduate, Post Graduate, Süleyman Demirel Üniversitesi, June, 2017
- Doctoral Examination, Doctoral Examination, Mersin Üniversitesi, January, 2017
- Post Graduate, Post Graduate, Mersin Üniversitesi, August, 2016
- Post Graduate, Post Graduate, Eskişehir Osmangazi Üniversitesi, December, 2015
- Post Graduate, Post Graduate, Eskişehir Osmangazi Üniversitesi, January, 2015
- Doctoral Examination, Doctoral Examination, Hatay Mustafa Kemal Üniversitesi, December, 2014
- Post Graduate, Post Graduate, Eskişehir Osmangazi Üniversitesi, May, 2014
- Post Graduate, Post Graduate, Hatay Mustafa Kemal Üniversitesi, June, 2013
- Post Graduate, Post Graduate, Hatay Mustafa Kemal Üniversitesi, May, 2013
- Post Graduate, Post Graduate, Hatay Mustafa Kemal Üniversitesi, May, 2013
- Post Graduate, Post Graduate, Hatay Mustafa Kemal Üniversitesi, January, 2012
- Post Graduate, Post Graduate, Hatay Mustafa Kemal Üniversitesi, February, 2011
- Post Graduate, Post Graduate, Hatay Mustafa Kemal Üniversitesi, July, 2010
- Post Graduate, Post Graduate, Hatay Mustafa Kemal Üniversitesi, July, 2009
- Post Graduate, Post Graduate, Hatay Mustafa Kemal Üniversitesi, December, 2008

## Published journal articles indexed by SCI, SSCI, and AHCI

- Recovery of heavy metals from canola (*Brassica napus*) and soybean (*Glycine max*) biomasses using electrochemical process**  
Delil A. D., Koleli N., Dağhan H., Bahceci G.  
ENVIRONMENTAL TECHNOLOGY & INNOVATION, vol.17, 2020 (SCI-Expanded)

- II. **Transgenic Tobacco for Phytoremediation of Metals and Metalloids**  
 DAĞHAN H.  
 TRANSGENIC PLANT TECHNOLOGY FOR REMEDIATION OF TOXIC METALS AND METALLOIDS, pp.279-297, 2019 (SCI-Expanded)
- III. **SALINITY TOLERANCE CLASSIFICATION OF SUNFLOWER (*Helianthus annuus* L.) AND SAFFLOWER (*Carthamus tinctorius* L.) BY CLUSTER AND PRINCIPAL COMPONENT ANALYSIS**  
 Kaya M. D., Akdogan G., KULAN E. G., DAĞHAN H., Sari A.  
 APPLIED ECOLOGY AND ENVIRONMENTAL RESEARCH, vol.17, no.2, pp.3849-3857, 2019 (SCI-Expanded)
- IV. **EFFECTS OF TiO<sub>2</sub> NANOPARTICLES ON MAIZE (*ZEA MAYS* L.) GROWTH, CHLOROPHYLL CONTENT AND NUTRIENT UPTAKE**  
 Dağhan H.  
 APPLIED ECOLOGY AND ENVIRONMENTAL RESEARCH, vol.16, pp.6873-6883, 2018 (SCI-Expanded)
- V. **THE INTERACTIVE EFFECTS OF PHOSPHORUS AND SALT ON GROWTH, WATER POTENTIAL AND PHOSPHORUS UPTAKE IN GREEN BEANS**  
 Gülmezoğlu N., Dağhan H.  
 APPLIED ECOLOGY AND ENVIRONMENTAL RESEARCH, vol.15, pp.1831-1842, 2017 (SCI-Expanded)
- VI. **THE ABILITY OF *Brassica napus* L. TO REMOVE LEAD (Pb) FROM THE SOIL AT DIFFERENT IRRIGATION LEVELS AND Pb CONCENTRATIONS**  
 ÖNDER D., Onder S., DAĞHAN H., Uygur V.  
 FRESENIUS ENVIRONMENTAL BULLETIN, vol.25, no.1, pp.200-209, 2016 (SCI-Expanded)
- VII. **Efficiency of Vigor Tests and Seed Elemental Concentrations to Estimate Field Emergence in Soybean (*Glycine max*)**  
 KAYA M. D., KULAN E. G., DAĞHAN H., İLERİ O., AVCI S.  
 INTERNATIONAL JOURNAL OF AGRICULTURE AND BIOLOGY, vol.18, no.5, pp.1075-1080, 2016 (SCI-Expanded)
- VIII. **INFLUENCE OF DIFFERENT IRRIGATION LEVEL AND DIFFERENT NICKEL (Ni) DOSES ON PHYTOREMEDIATIVE CAPACITY OF *Tagetes erecta* L.**  
 Önder D., Onder S., Dağhan H., Uygur V.  
 FRESENIUS ENVIRONMENTAL BULLETIN, vol.25, pp.191-199, 2016 (SCI-Expanded)
- IX. **Soil Pollution in Turkey and Remediation Methods**  
 DAĞHAN H., Ozturk M.  
 SOIL REMEDIATION AND PLANTS: PROSPECTS AND CHALLENGES, pp.287-312, 2015 (SCI-Expanded)
- X. **Phytoremediative Potential of Tobacco under Deficit Irrigation Conditions for Ni-Polluted Soil**  
 DAĞHAN H., Uygur V., ÖNDER D., Onder S.  
 POLISH JOURNAL OF ENVIRONMENTAL STUDIES, vol.23, no.4, pp.1313-1316, 2014 (SCI-Expanded)
- XI. **Transgenic Tobacco-Bearing p-cV-ChMTIIIGFP Gene Accumulated More Lead Compared to Wild Type**  
 Eren A., DAĞHAN H.  
 POLISH JOURNAL OF ENVIRONMENTAL STUDIES, vol.23, no.2, pp.569-571, 2014 (SCI-Expanded)
- XII. **EFFECTS OF WATER STRESS ON PLANT GROWTH AND PHYSIOLOGICAL CHARACTERISTICS OF SOME GRAPE VARIETIES**  
 KAMILOĞLU Ö., Sivritepe N., Onder S., DAĞHAN H.  
 FRESENIUS ENVIRONMENTAL BULLETIN, vol.23, no.9, pp.2155-2163, 2014 (SCI-Expanded)
- XIII. **Response of strawberry clover (*Trifolium fragiferum* L.) to salinity stress**  
 CAN E., ARSLAN M., ŞENER O., DAĞHAN H.  
 RESEARCH ON CROPS, vol.14, no.2, pp.576-584, 2013 (SCI-Expanded)
- XIV. **Transformation of Tobacco with ScMTII Gene-Enhanced Cadmium and Zinc Accumulation**  
 DAĞHAN H., ARSLAN M., Uygur V., KÖLELİ N.  
 CLEAN-SOIL AIR WATER, vol.41, no.5, pp.503-509, 2013 (SCI-Expanded)
- XV. **The Effect of Heavy Metal Treatments on Uptake of Nitrogen, Phosphorus and Potassium in Transgenic and Non-Transgenic Tobacco Plants**  
 DAĞHAN H., Uygur V., Koleli N., ARSLAN M., Eren A.  
 JOURNAL OF AGRICULTURAL SCIENCES-TARIM BİLİMLERİ DERGİSİ, vol.19, no.2, pp.129-139, 2013 (SCI-

Expanded)

- XVI. **Copper Removal by SCMT II Transgenic and Wild Type Tobacco in Hydroponic System - a Comparative Study**  
DAĞHAN H., UYGUR V., ARSLAN M., KÖLELİ N.  
REVISTA DE CHIMIE, vol.63, no.12, pp.1193-1197, 2012 (SCI-Expanded)
- XVII. **Comparative Evaluation of Transgenic and Non Transgenic Tobacco for the Phytoextraction of Nickel-Contaminated Soils**  
DAĞHAN H., KÖLELİ N.  
EKOLOJİ, vol.21, no.84, pp.90-97, 2012 (SCI-Expanded)
- XVIII. **THE CADMIUM PHYTOEXTRACTION EFFICIENCY OF SCMTII GENE BEARING TRANSGENIC TOBACCO PLANT**  
DAĞHAN H., ARSLAN M., UYGUR V., KOLELİ N., EREN A.  
BIOTECHNOLOGY & BIOTECHNOLOGICAL EQUIPMENT, vol.24, no.3, pp.1974-1978, 2010 (SCI-Expanded)
- XIX. **The influence of humic acids on the phytoextraction of cadmium from soil**  
Evangelou M., DAĞHAN H., Schaeffer A.  
CHEMOSPHERE, vol.57, no.3, pp.207-213, 2004 (SCI-Expanded)
- XX. **Phytosiderophore release does not relate well with zinc efficiency in different bread wheat genotypes**  
Erenoglu B., Cakmak I., Marschner H., Romheld V., Eker S., DAĞHAN H., Kalayci M., Ekiz H.  
JOURNAL OF PLANT NUTRITION, vol.19, no.12, pp.1569-1580, 1996 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Demir Oksit Nanopartikül (FeO-NP) Uygulamasının Topraksız Kültürde Yetiştirilen Fasulye (Phaseolus vulgaris L.) Bitkisinin Büyümesi Üzerine Etkileri**  
Biçer Bayrak M., Dağhan H.  
ISPEC Journal of Agricultural Sciences, vol.7, no.4, pp.759-777, 2023 (Peer-Reviewed Journal)
- II. **Phytoextraction of heavy metal (cu, zn, pb) from mining area by sunflower (helianthus annuus)**  
AYBAR M., SAĞLAM B., DAĞHAN H., TÜFEKÇİOĞLU A., KÖLELİ N., YILMAZ F. N.  
KASTAMONU UNIVERSITY JOURNAL OF FORESTRY FACULTY, vol.23, no.1, pp.75-85, 2023 (ESCI)
- III. **Çinko Oksit Nanopartikül Uygulamasının Makarnalık Buğdayın Büyüme ve Çinko Alımı Üzerine Etkileri**  
Balcı G. N., Dağhan H.  
MAS Journal of Applied Sciences, vol.8, pp.907-923, 2023 (Peer-Reviewed Journal)
- IV. **The Potential of Nitrogen Applied Rapeseed (Brassica napus L) in Remediation of Cadmium Polluted Soil**  
GÜLMEZOĞLU N., DAĞHAN H.  
RESEARCH JOURNAL OF BIOTECHNOLOGY, vol.17, no.7, pp.16-22, 2022 (ESCI)
- V. **The Potential of Nitrogen Applied Rapeseed (Brassica napus L) in Remediation of Cadmium Polluted Soil**  
Gülmezoğlu N., Dağhan H.  
RESEARCH JOURNAL OF BIOTECHNOLOGY, vol.17, no.7, pp.16-22, 2022 (ESCI)
- VI. **An investigation on the effect of nano-ZnO application on cadmium phytoextraction by safflower**  
YENTÜR F. A., DAĞHAN H.  
International Journal of Agriculture, Forestry and Life Sciences, vol.5, no.5, pp.154-162, 2021 (Peer-Reviewed Journal)
- VII. **Lead Phytoremediation Potential of Wild Type and Transgenic Tobacco Plants**  
DAĞHAN H., UYGUR V., EREN A.  
ISPEC Journal of Agricultural Sciences, vol.5, no.1, pp.168-182, 2021 (Peer-Reviewed Journal)
- VIII. **Impact of titanium dioxide nanoparticles (TiO<sub>2</sub>-NPs) on growth and mineral nutrient uptake of wheat**

(*Triticum vulgare* L.)

Dağhan H., Gülmezoğlu N., Köleli N., Karakaya B.

Biotech Studies, vol.29, no.2, pp.69-76, 2020 (Peer-Reviewed Journal)

- IX. **Effects of EDDS application on phytoextraction of cadmium, lead and zinc contaminated soil with *Brassica napus***  
DAĞHAN H., KÖLELİ N.  
YUZUNCU YIL UNIVERSITY JOURNAL OF AGRICULTURAL SCIENCES, vol.28, no.28, pp.276-282, 2018 (Scopus)
- X. **Nano Gübreler**  
Dağhan H.  
Türkiye Tarımsal Araştırmalar Dergisi, vol.4, no.2, pp.197-203, 2017 (Peer-Reviewed Journal)
- XI. ***Tagetes patula* L Bitkisinin Fitoremediasyon Amaçlı Kullanım Potansiyelinin Su Kültürü Koşullarında Araştırılması**  
Dağhan H.  
Toprak Su Dergisi, vol.5, no.2, pp.25-31, 2016 (Peer-Reviewed Journal)
- XII. **Üretimde mineral gübrelemenin önemi**  
GÜLMEZOĞLU N., DAĞHAN H.  
Tarla Sera Dergisi, vol.1, no.40, pp.62-64, 2013 (Non Peer-Reviewed Journal)
- XIII. **Kadmiyum ile kirlenmiş toprakların fitoekstraksiyonla arıtımında transgenik tütün bitkisinin kullanımının araştırılması**  
DAĞHAN H., KÖLELİ N., UYGUR V., ARSLAN M., ÖNDER D., Volkan G., AĞCA N.  
Toprak ve Su Dergisi, vol.1, no.1, pp.1-6, 2012 (Peer-Reviewed Journal)
- XIV. **Hatay ili Samandağ ilçesi ney kamışlarının durumu ve sürdürülebilirliği**  
ARSLAN M., ÜREMİŞ İ., ŞENER O., BOZKURT S., DAĞHAN H.  
MKÜ Ziraat Fakültesi Dergisi, vol.17, no.2, pp.87-96, 2012 (Peer-Reviewed Journal)
- XV. **Phytoextraction of cadmium from contaminated soil using transgenic tobacco plants**  
DAĞHAN H., SCHAEFFER A., FISHER R., ULRICH C.  
Journal of International Environmental Application & Science, vol.3, no.5, pp.336-345, 2008 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **PHYTOREMEDIATION OF ORGANIC POLLUTANTS USING TRANSGENIC TOBACCO**  
DAĞHAN H., EREN A.  
in: AGRICULTURAL STUDIES ON DIFFERENT SUBJECTS, Arzu ÇİĞ, Editor, IKSAD INTERNATIONAL PUBLISHING HOUSE, Ankara, pp.361-379, 2021
- II. **Transgenic Tobacco for Phytoremediation of Metals and Metalloids**  
Dağhan H.  
in: TRANSGENIC PLANT TECHNOLOGY FOR REMEDIATION OF TOXIC METALS AND METALLOIDS, Majeti Narasimha Vara Prasad, Editor, Academic Press Elsevier, London, pp.279-297, 2019
- III. **Soil Pollution in Turkey and Remediation Methods**  
Dağhan H., Öztürk M.  
in: Soil Remediation and Plants Prospects and Challenges, Hakeem K. R., Sabir M., Ozturk M., and Mermut A., Editor, Academic Press. Elsevier, New York, pp.287-312, 2015

## Refereed Congress / Symposium Publications in Proceedings

- I. **Mining Area Soil Contaminated by Copper, Zinc and Lead Phytoextraction with Castor Oil (*Ricinus communis*) Plant.**  
AYBAR M., SAĞLAM B., DAĞHAN H., TÜFEKÇİOĞLU A., KÖLELİ N., YILMAZ F. N.

The 2nd International Integrated Pollution Prevention and Control Symposium (EKOK METAL), Karabük University, Karabük, Turkey, 6 - 08 December 2021

- II. **Phytoextraction Capacity of Sunflower (*Helianthus Annuus L.*) for Heavy Metals (Cu, Zn, Pb) on A Mining-Influenced Area**  
SAĞLAM B., AYBAR M., DAĞHAN H., TÜFEKÇİOĞLU A., KÖLELİ N., YILMAZ F. N.  
The 2nd International Integrated Pollution Prevention and Control Symposium (EKOK METAL), Karabük, Turkey, 6 - 08 October 2021, pp.93
- III. **Biotechnological Approaches for Enhancing Phytoremediation Potentials of Plants**  
DAĞHAN H., KÖLELİ N.  
International Agriculture Science Congress, Van, Turkey, 9 - 12 May 2018, pp.713
- IV. **Effects of EDDS Application on Decontamination by Canola of Soil Contaminated with Multi Metal**  
DAĞHAN H., KÖLELİ N.  
International Agriculture Science Congress, Van, Turkey, 9 - 12 May 2018, pp.568
- V. **The Effect of Multimetal Accumulation on the Chlorophyll Concentration of *Ricinus communis* and *Carthamustinctorius*.**  
Çiftçi A., DAĞHAN H., DOĞAROĞLU Z. G., KÖLELİ N.  
International Agriculture Science Congress, Van, TURKEY., 9 - 12 May 2018, pp.569
- VI. **Heavy metals removal from soil by safflower (*Carthamus tinctorius*).**  
KÖLELİ N., DAĞHAN H., DEMİR A., DOĞAROĞLU Z. G., Çiftçi A.  
3rd International Congress on Environmental Researches and Technology (ICERAT), Belgrade, Serbia, 8 - 12 November 2017
- VII. **Environmental Effects of Nanoparticles**  
DAĞHAN H., DOĞAROĞLU Z. G., KÖLELİ N.  
3rd International Congress on Environmental Researches and Technology (ICERAT), Belgrade, Serbia, 8 - 12 November 2017
- VIII. **PHYTOREMEDIATION CAPACITY OF SILENE ARMENIA GROWN ON SOILCONTAMINATED WITH CD, PB AND ZN**  
KÖLELİ N., DAĞHAN H., Doğaroğlu z. g., KURT M. A., YILDIRIM D.  
3rd INTERNATIONAL CONGRESS ON ENVIRONMENTAL RESEARCHES AND TECHNOLOGY (ICERAT), BELGRAT, 8 - 12 November 2017, pp.34
- IX. **The Effect of co-applications EDDS-TiO<sub>2</sub>Ag and ZnO-TiO<sub>2</sub>Ag Nanoparticles on Seed Germination of Triticale**  
DOĞAROĞLU Z. G., DAĞHAN H., KÖLELİ N.  
3rd International Congress on Environmental Researches and Technology (ICERAT), Belgrade, Serbia, 8 - 12 November 2017
- X. **Tuz ve Fosfor Stresinde Yetişen Nohutun (*Cicer arietinum L.*) Bazı Makro ve Mikro Besin Elementi Alımı**  
GÜLMEZOĞLU N., DAĞHAN H., ARSLAN M.  
Türkiye 4. Ulusal Botanik Kongresi, AFYON, Turkey, 6 - 09 July 2017
- XI. **The Effect of Zinc Deficiency on the Chlorophyll Content, Dry Matter, Zn Concentration of Safflower Cultivars**  
AYTAÇ Z., GÜLMEZOĞLU N., DAĞHAN H.  
Ecology Symposium 2017, 11 - 13 May 2017
- XII. **Phytoremediation Capacity of Castor Bean Grown on Soil Contaminated with Multi Metals.**  
KÖLELİ N., Çiftçi A., Yıldırım D., Ergün C. H., DAĞHAN H., DEMİR A.  
Ecology 2017 International Symposium, Kayseri, Turkey, 11 - 13 May 2017
- XIII. **The Roles of Nanotechnology in Agriculture Nanofertilizes Nanopesticides and Nanosensors**  
DOĞAROĞLU Z. G., Ergün H. C., DAĞHAN H., KÖLELİ N.  
1st International Mediterranean Science and Engineering Congress Çukurova University, Adana / TURKEY 26-28, 2016, 26 - 28 October 2016
- XIV. **Artan Dozlarda Nanozeolit Uygulamalarının Multi Metallerle Zn Cd ve Pb Kirlenmiş Topraklarda**

**Yetiştirilen Aspir Bitkisinin Ağır Metal Alımına Etkileri**

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- XVIII. **Nanogübrelerin Tarımda Kullanımı**  
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- XXVI. **Chinese Hamster MTII expression in Nicotiana tobacum as a Tool for Understanding Zinc tolerance and toxicity**  
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ÇALIŞKAN S., YETİŞİR H., DAĞHAN H.  
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8.Tarla Bitkileri Kongresi, Hatay, Turkey, 19 - 22 October 2009, vol.2, pp.165-168

**XXIX. Yabani Turp *Raphanus raphanistrum* L Kanola *Brassica napus* L Tere *Lepidium sativum* L ve Yabani Hardal *Sinapis arvensis* L IN Kadmiyumla Kirlenmiş Toprakların Temizlenmesinde Kullanılabilme Olanakları**

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**XXX. Tarımsal Uygulamalar ve Su Kirliliği İlişkileri**

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GAP V. Tarım Kongresi Kitabı, Şanlıurfa, Turkey, 17 - 19 October 2007, pp.637-643

**XXXI. Fitoremediasyon Bitki Kullanılarak Kirlenmiş Alanların Temizlenmesi**

DAĞHAN H.

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DAĞHAN H., Schaeffer A., Rainer F.

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Michael Wassilios E., DAĞHAN H., Andreas S.

II. International CIMbios Symposium 2002, Biotechnology and Bioinformatics, Merida, Mexico, 24 - 27 November 2002

## Supported Projects

Sağlam B., Dağhan H., Tüfekçioğlu A., TUBITAK Project, Ağır Metal İyonlarıyla Kirlenmiş Maden Yatağı ve Yakın Çevresindeki Toprakların Fitoremediasyon Yöntemiyle Kirliliklerinin Giderilmesinin Araştırılması, 2020 - 2021

Dağhan H., Gülmezoğlu N., Project Supported by Higher Education Institutions, Artan dozlarda azotlu gübre uygulamasının kolza (*Brassica napus* L.) ve tütün (*Nicotiana tabacum*L.) bitkilerinin Cd alımına etkisi, 2016 - 2018

Köleli N., Dağhan H., Demir A., Doğaroğlu Z. G., Coşkun Y., TUBITAK Project, Multi Metalle Cd Pb ve Zn Kirlenmiş Topraklarda Yağlı Tohumlu Bitkilerin Fitoremediasyon Kapasitesinin Araştırılması ve Elde Edilen Biyokütlenin

Değerlendirilmesi, 2015 - 2018

Dağhan H., Gülmezoğlu N., Project Supported by Higher Education Institutions, Nanopartikül Titanyum Dioksit ve Çinko Oksit Uygulamalarının Mısır Zea maize ve Buğday *Triticum aestivum* L Bitkilerinin Büyümesi Üzerine Etkileri, 2014 - 2017

DAĞHAN H., Project Supported by Higher Education Institutions, Nanopartikül (Titanyum Dioksit ve Çinko Oksit) Uygulamalarının Mısır (*Zea maize*) ve Buğday (*Triticum aestivum* L.) Bitkilerinin Büyümesi Üzerine Etkileri, 2014 - 2016

Dağhan H., Uygur V., Önder D., TUBITAK Project, Bazı Hiperakümülatör Bitkilerin Su Stresi Koşullarında Ağır Metal Alım Yeteneklerinin Belirlenmesi, 2011 - 2015

Dağhan H., Uygur V., Arslan M., Önder D., Köleli N., Ağca N., TUBITAK Project, Ağır Metallerce Kirlenmiş Toprakların Fitoekstraksiyon Tekniğiyle Arıtımı, 2008 - 2011

DAĞHAN H., TUBITAK Project, Fitoekstraksiyon amaçlı kullanılan transgenik tütün bitkisinin rizosfer bölgesi mikrobiyal aktiviteye etkisi, 2008 - 2010

DAĞHAN H., TUBITAK Project, Kurşun Metali ile Kirlenmiş Toprakların Transgenik Bitki Kullanılarak Temizlenme Olanaklarının Araştırılması, 2008 - 2009

DAĞHAN H., TUBITAK Project, Genetiksel Olarak Modifiye Edilmiş Tütün Bitkisi Kullanarak Toprağın Ağır Metallerden Temizlenme Olanaklarının Araştırılması, 2007 - 2008

DAĞHAN H., TUBITAK Project, Amik Ovası pamuk ekim alanlarında bitki besin elementlerinin durumu ile pamuğun hastalık etmenlerine karşı dayanıklılığı arasındaki ilişkinin araştırılması, 1997 - 1999

DAĞHAN H., TUBITAK Project, Selection and characterization of cereal genotypes with high zinc efficiency and evaluation of bioavailability of zinc wheat for the central Anatolia region, 1993 - 1997

## Scientific Refereeing

Yuzuncu Yil University Journal of Agricultural Sciences, Other Indexed Journal, December 2021  
TARIM BİLİMLERİ DERGİSİ-JOURNAL OF AGRICULTURAL SCIENCES, Journal Indexed in SCI-E, November 2020  
TARIM BİLİMLERİ DERGİSİ-JOURNAL OF AGRICULTURAL SCIENCES, Journal Indexed in SCI-E, July 2020  
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Turkish Journal OF Agriculture - Food Science And Technology, Other journals, December 2019  
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JOURNAL OF AGRICULTURAL SCIENCES-TARIM BİLİMLERİ DERGİSİ, Journal Indexed in SCI-E, April 2019  
Turkish Journal of Food and Agriculture Sciences, Other Indexed Journal, February 2019  
International Journal of Agriculture Forestry and Life Sciences, Other Indexed Journal, November 2018  
TURKISH JOURNAL OF BOTANY, Journal Indexed in SCI-E, October 2018  
Turkish Journal OF Agriculture - Food Science And Technology, Other Indexed Journal, October 2018  
Uludağ Üniversitesi Mühendislik Fakültesi Dergisi, Other Indexed Journal, July 2018  
HARRAN TARIM VE GIDA BİLİMLERİ DERGİSİ, National Scientific Refreed Journal, July 2018  
Turkish Journal of Food and Agriculture Sciences, Other Indexed Journal, May 2018  
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INTERNATIONAL ADVANCED RESEARCHES AND ENGINEERING JOURNAL, Other Indexed Journal, March 2018  
TOPRAK SU DERGİSİ, National Scientific Refreed Journal, March 2018  
TARIM BİLİMLERİ DERGİSİ-JOURNAL OF AGRICULTURAL SCIENCES, Journal Indexed in SCI-E, December 2017  
Turkish Journal of Food and Agriculture Sciences, Other Indexed Journal, October 2017  
CHEMOSPHERE, SCI Journal, August 2017  
Project Supported by Higher Education Institutions, BAP MSc, Akdeniz University, Turkey, May 2017  
SELÇUK JOURNAL OF AGRICULTURE AND FOOD SCIENCES, Other Indexed Journal, April 2017  
SÜLEYMAN DEMİREL ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, National Scientific Refreed Journal, February 2017  
Turkish Journal of Agricultural Research, Other Indexed Journal, February 2017  
INTERNATIONAL JOURNAL OF PHYTOREMEDIATION, SCI Journal, June 2016  
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Tarım, Ormanlık, Veterinerlik Araştırma Grubu , Turkey, June 2016  
SAUDI JOURNAL OF BIOLOGICAL SCIENCES, Journal Indexed in SCI-E, March 2015  
TURKISH JOURNAL OF BIOLOGY, Journal Indexed in SCI-E, February 2015  
CLEAN-SOIL AIR WATER, SCI Journal, February 2015  
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Clean-Soil Air Water, SCI Journal, January 2014  
INTERNATIONAL JOURNAL OF PHYTOREMEDIATION, SCI Journal, December 2013  
INTERNATIONAL JOURNAL OF PHYTOREMEDIATION, SCI Journal, December 2013  
Clean-Soil Air Water, SCI Journal, March 2013

## Scientific Consultations

KOSGEB-HATAY, Scientific Consultancy, Eskişehir Osmangazi Üniversitesi, ZİRAAT FAKÜLTESİ, TOPRAK BİLİMİ VE BİTKİ BESLEME BÖLÜMÜ, Turkey, 2013 - 2013

## Scientific Research / Working Group Memberships

Toprak Bilimi Ve Bitki Besleme, Eskişehir Osmangazi University, Türkiye,  
<https://ziraat.ogu.edu.tr/Sayfa/Index/116/toprak-bilimi-ve-bitki-besleme-bolumu>, 2024 - Continues

## **Metrics**

Publication: 72

Citation (WoS): 315

Citation (Scopus): 330

H-Index (WoS): 8

H-Index (Scopus): 8

## **Congress and Symposium Activities**

Mikoriza workshop, Attendee, Adana, Turkey, 1998

## **Scholarships**

YÖK Yurtdışında Arařtırma bursu (39. madde), Haydarabat Üniversitesi, Bitki Bilimi Fakültesi HİNDİSTAN, YOK, 2011 - 2011

The German Academic Exchange Service (DAAD), Hohenheim University, Stuttgart, GERMANY, Other International Organizations, 1995 - 1995

## **Non Academic Experience**

Hyderabad University

RWTH Aachen (Rheinisch-Westfälischen Technischen Hochschule Aachen) University