



# SERDAR BİLEN

## PROF.

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### Biography

He was born in 1966 in Bayburt. After completing his primary and secondary education at the Rüştü Paşa Pasha Primary School and completing his high school education at Gazi Ahmet Muhtar Paşa Middle School and Erzurum High School, he completed his higher education at Atatürk University, Faculty of Agriculture, Department of Soil Science between 1985-1989.

After completing his military service as a reserve officer between 1990-1991, he graduated from Department of Soil Fertility in 1991. Dr. Yildirim SEZEN has started his master's degree. He completed his master's degree on Soil Chemistry in May 1994.

In September of the same year, he passed the Ph.D. exam and in October he was awarded the Research Assistant Exam and joined the department he graduated as a Research Assistant.

In 1994, he completed a one year English course given by the Graduate School of Natural and Applied Sciences. In 1995, Prof. Dr. Dr. Dr. Tülay Kızıloğlu started her PhD studies on Soil Microbiology in consultation with ALGAN.

In January 2003, he completed his Ph.D. Assoc. Dr. She's in her squad.

In 2008, with the scholarship of TUBITAK, he participated in the Effects of Soil Treatment and Plant Diversity on Greenhouse Gases I project in Ohio State University for 2.5 years. After returning in 2011, he applied for the Associate Professorship Exam in April. In October 2012, he was appointed as Associate Professor by YÖK.

In 2018 he was promoted to Professor title.

He is still a lecturer at the Department of Soil Science in Atatürk University.

### Learning Knowledge

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Doctorate  
1994 - 2003

Ataturk University, Fen Bilimleri Enstitüsü, Toprak, Turkey

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Postgraduate  
1991 - 1994

Ataturk University, Fen Bilimleri Enstitüsü, Toprak, Turkey

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Undergraduate  
1984 - 1989

Ataturk University, Ziraat Fakültesi, Toprak, Turkey

## Foreign Languages

English, B2 Upper Intermediate

## Certificates, Courses and Trainings

- Education Management and Planning, Erasmus KA205 Eğiticinin Eğitimi- Atatürk Üniversitesi, Atatürk Üniversitesi, Dış İlişkiler Ofisi, 2018
- Education Management and Planning, Arazi Kullanımı Çalıştayı, Atatürk Üniversitesi,, 2018
- Other, KADIN İSTİHDAMININ ÖNÜNDEKİ ENGELLER VE ÇÖZÜM ÖNERİLERİ ÇALIŞTAYI: ERZURUM ÖRNEĞİ, Atatürk Üniversitesi,, 2017
- Other, Graduate Student Networking Session Mentor, SSSA Graduate Student Networking Session Mentor, 2017
- Education Management and Planning, Bruker ICP-MS Aurora M-90 Kursu, Eti Maden İşletmeleri Genel Müdürlüğü, 2015
- Health&Medicine, Adult Basic and Literacy Education Medical Readiness Course, Wayne County Joint Vocational School District, USA, 2010
- Foreign Language, English for Speakers of Other Languages Course at Adult Basic and Literacy Education, ABLE Adult Basic and Literacy Education, Columbus USA, 2008
- Health&Medicine, Sağlıklı Gelecek İçin Kadın ve Çocuklarda Hijyen (SA-GE-HİP) Projesi, Atatürk Üniversitesi, Hemşirelik Yüksek Okulu, 2006
- Education Management and Planning, Türkiye Sualtı Sporları, Cankurtarma,Sukayağı ve Paletli Yüzme Fed. III. Yıldız, Başbakanlık Gençlik ve Spor Genel Müdürlüğü, 2005
- Education Management and Planning, Natural Resources Management for Sustainable Development, Atatürk Üniversitesi, Ziraat Fakültesi, 2004
- Other, Türkiye Sualtı Sporları, Cankurtarma,Sukayağı ve Paletli Yüzme Fed. II. Yıldız, Başbakanlık Gençlik ve Spor Genel Müdürlüğü, 2004
- Education Management and Planning, Türkiye Sualtı Sporları, Cankurtarma,Sukayağı ve Paletli Yüzme Fed. I. Yıldız, Başbakanlık Gençlik ve Spor Genel Müdürlüğü, 2003
- Education Management and Planning, Mycorrhizal Fungi in Plant and Soil, Çukurova Üniversitesi, Ziraat Fakültesi, Toprak Bölümü, 2001
- Education Management and Planning, Managing Arbuscular Mycorrhizal Fungi for Improving Soil Quality, Çukurova Üniversitesi, Ziraat Fakültesi, Toprak Bölümü, 2001
- Education Management and Planning, Doğal Bir Gübre Olan Mikorrizanın Tarımda Kullanılması, Çukurova Üniversitesi, Ziraat Fakültesi, Toprak Bölümü, 1998

## Dissertations

- Doctorate, Farklı Yaşlardaki Rhizobium Kültürleri Aşılamanın Fasulye Bitkisinin Gelişimi, Besin Elementi İçerikleri, Nodülasyon ve N<sub>2</sub> - Fiksasyonuna Etkileri, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Toprak, 2003
- Postgraduate, Toprağa Uygulanan Değişik Tuzların Farklı Konsantrasyonlarının Tamamlayıcı İyonlar Üzerine Etkileri , Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Toprak, 1994

## Academic Titles / Tasks

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Professor  
2018 - Continues

Ataturk University, Ziraat Fakültesi, Toprak Bilimi ve Bitki Besleme

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Associate Professor

2012 - 2018

Ataturk University, Ziraat Fakültesi, Toprak Bilimi ve Bitki Besleme

Assistant Professor

2008 - 2011

Ohio State University

Research Assistant PhD

2006 - 2011

Ataturk University, Ziraat Fakültesi, Toprak Bilimi ve Bitki Besleme

Research Assistant

1994 - 2006

Ataturk University, Ziraat Fakültesi, Toprak Bilimi ve Bitki Besleme

## Supported Projects

1. BİLEN S., YEMİŞÇİ A., Project Supported by Higher Education Institutions, Toprakta İzole Edilen Azot Fikse eden Bakteriler ile Aşılamanın Lahana Bitkisinin Azot ve Fosfor İçeriği Üzerine Etkileri, 2022 - Continues
2. BEKTAŞ M., YILDIRIM E., ERMAN Ö. K. , BİLEN S., TEPE Y., Project Supported by Higher Education Institutions, Ardahan Kars ve Iğdır İllerindeki Sucul Coleoptera ve Sucul Hemiptera faunasının belirlenmesi sucul ekosistemlerde yaşayan Coleoptera Helophoridae Hydrochiidae Hydrophilidae ve Dytiscidae ile bunların yaşam ortamlarındaki su ve toprak ağır metal birikimlerinin saptanması tatlı su balıkları ve kurbağalarının endohelminth parazitlerinin araştırılması, 2019 - 2021
3. BİLEN S., OKYAY KAYA L., BARİK K., CANBOLAT M. Y. , Project Supported by Higher Education Institutions, TOPRAKTAN İZOLE EDİLEN BAKTERİ İZOLATLARININ AĞIR METAL ABSORPSİYON KAPASİTELERİNİN BELİRLENMESİ, 2018 - 2020
4. CANBOLAT M. Y. , ÖZGÜL M., BİLEN S., BARİK K., AKSAKAL E. L. , ÖZTAŞ T., YILDIZ N., AYDIN A., Project Supported by Higher Education Institutions, TOPRAK BİLİMİ VE BİTKİ BESLEME BÖLÜMÜ LABORATUVARLARINDA PAYDAŞLARIMIZA YÖNELİK YÜRÜTÜLEN ANALİZLERİN SÜRDÜRÜLEBİLİRLİĞİ İÇİN MEVCUT MAKİNE VE TEÇHİZATIN BAKIM ONARIMI İLE TÜKETİM MALZEMELERİNİN TEMİNİ VE İYİLEŞTİRİLMESİ, 2017 - 2020
5. CANBOLAT M. Y. , ÖZGÜL M., AYDIN A., YILDIZ N., BARİK K., AKSAKAL E. L. , HACİMÜFTÜOĞLU F., YAĞANOĞLU E., BİLEN S., ÖZTAŞ T., Project Supported by Higher Education Institutions, ERZURUM İLİ ARAZİ KULLANIM ÇALIŞTAYI, 2018 - 2019
6. CANBOLAT M. Y. , ÖZTAŞ T., YILDIZ N., BİLEN S., ÖZGÜL M., BARİK K., AKSAKAL E. L. , AYDIN A., Project Supported by Higher Education Institutions, TOPRAK BİLİMİ VE BİTKİ BESLEME BÖLÜMÜ LABORATUVARLARINDA YÜRÜTÜLEN ÇALIŞMALARIN KALİTELİ OLARAK SONUÇLANABİLİRLİĞİNİ DESTEKLEYEN MAKİNE VE TEÇHİZATIN ÖNEMİ VE SAĞLANABİLİRLİĞİ, 2017 - 2019
7. BİLEN S., CANBOLAT M. Y. , BARİK K., Project Supported by Higher Education Institutions, TOZ DETERJAN ATIKLARININ TARIM TOPRAKLARININ BİYOLOJİK ÖZELLİKLERİ ÜZERİNE ETKİLERİ, 2015 - 2017
8. BİLEN S., Project Supported by Higher Education Institutions, ISO 2010 KALİTE STANDARDİZASYON ÇALIŞMALARINI ÇERÇEVESİNDE TOPRAK BİLİMİ VE BİTKİ BESLEME BÖLÜM LABORATUVARLARININ İYİLEŞTİRİLMESİ VE MODERNİZASYONU, 2013 - 2016
9. BİLEN S., Project Supported by Higher Education Institutions, AZOTLU MİNERAL GÜBRE VE AZOTOBACTER SP BAKTERİ UYGULAMASININ FINDIK VERİMİ ÜZERİNE ETKİLERİ, 2013 - 2014
10. BİLEN S., Project Supported by Higher Education Institutions, BİTKİ UÇUCU YAĞLARININ TOPRAK VE BİTKİ ENZİMLERİ ÜZERİNE ETKİLERİ VE MİKROBİYAL GÜBRELEMEDE KULLANILMA OLANAKLARI, 2012 - 2014
11. BİLEN S., Project Supported by Higher Education Institutions, FERTİGASYON YÖNTEMİYLE SULAMANIN, AZOT GÜBRELEMESİNİN VE AZOT BAKTERİSİ İLE AŞILAMANIN MISIRIN VERİM UNSURLARI ÜZERİNE ETKİLERİ, 2012 -

2014

12. BİLEN S., Project Supported by Higher Education Institutions, BİTKİ UÇUCU YAĞLARININ VE EKSTRAKTLARININ BAKTERİ AŞILANMIŞ VE AŞILANMAMIŞ TOPRAKLARIN FİZİKSEL, KİMYASAL VE MİKROBİYAL ÖZELLİKLERİ ÜZERİNE ETKİLERİ, 2011 - 2013
13. BİLEN S., Project Supported by Higher Education Institutions, TÜRKİYE YÜKSEKÖĞRETİM YETERLİLİKLER ÇERÇEVESİNDE, TOPRAK BİLİMİ VE BİTKİ BESLENME LİSANS EĞİTİMİ YETERLİLİKLERİNİN (BİLGİ, BECERİ VE YETKİNLİK) KAZANIMINA FİZİKİ ALTYAPIDAKİ İYİLEŞTİRMELERİN ETKİSİ, 2011 - 2012
14. Bilen S., Dick W. A. , Universities of Other Countries Supported Project, Greenhouse gas budget and methane dynamics in a no tillage chronosequence Research Project Indiana University and Ohio State University United States Department Of Agriculture Cooperative State Research Education And Extension Service USA OMB Approved No 0524 0039 Research Assistant 2009 2012 3 years Bu projede görev almak için 6 ay süre ile TUBİTAK tarafından USA da 6 ay süre ile görevlendirildim, 2008 - 2011

## Scholarships

2219 Yurt Dışı Doktora Sonrası Burs, TUBİTAK, 2009 - 2010

## Jury Memberships

- PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, January, 2022
- Doctorate, Doctorate, Atatürk Üniversitesi, December, 2021
- PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, December, 2021
- Doctorate, Doctorate, Atatürk Üniversitesi, December, 2021
- PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, December, 2021
- PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, June, 2021
- Doctorate, Doctorate, Atatürk Üniversitesi, May, 2021
- Appointment Academic Staff, Appointment Academic Staff, Bolu Abant İzzet Baysal Üniversitesi, February, 2021
- Appointment Academic Staff, Appointment Academic Staff, Çanakkale Onsekiz Mart Üniversitesi, February, 2021
- PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, December, 2020
- PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, December, 2020
- PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, June, 2020
- PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, April, 2020
- PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, December, 2019
- PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Atatürk Üniversitesi, June, 2019

## Research Infrastructure Information

Bilen S., TBS Laboratuvar, September 2020

Canbolat M. Y. , Öztaş T., Yıldız N., Bilen S., Barik K., Özgül M., Aksakal E. L. , Aydın A., Hacımüftüoğlu F., Yağanoğlu E., Toprak Bilimi ve Bitki Besleme Laboratuvarları, September 1958

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

- 1. Field-Scale Evaluation of the Soil Quality Index as Influenced by Dairy Manure and Inorganic Fertilizers**  
Ozlu E., GÖZÜKARA G., ACAR M., BİLEN S., Babur E.  
SUSTAINABILITY, vol.14, no.13, 2022 (Journal Indexed in SCI)
- 2. Taxonomic and functional characteristics of aerobic bacteria isolated from the chloragogenous tissue of the earthworm *Aporrectodea molleri***  
Houida S., Yakkou L., Bilen S., Raouane M., El Harti A., Amghar S.  
ARCHIVES OF MICROBIOLOGY, vol.203, no.8, pp.4805-4812, 2021 (Journal Indexed in SCI)
- 3. Impacts of Gumushane cement dust emissions on soil elemental compositions**  
Bilen S., Özgül M., Ozlu E., Bilen M.  
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.45, no.6, pp.766-774, 2021 (Journal Indexed in SCI)
- 4. Co-inoculation effect of *Rhizobium* and *Achillea millefolium* L. oil extracts on growth of common bean (*Phaseolus vulgaris* L.) and soil microbial-chemical properties**  
Turan V., Schroder P., Bilen S., Insam H., Juarez M. F.  
SCIENTIFIC REPORTS, vol.9, 2019 (Journal Indexed in SCI)
- 5. Relationships between Cement Dust Emissions and Soil Properties**  
Bilen S., Bilen M., Turan V.  
POLISH JOURNAL OF ENVIRONMENTAL STUDIES, vol.28, no.5, pp.3089-3098, 2019 (Journal Indexed in SCI)
- 6. Soil organic carbon pools in ploughed and no-till Alfisols of central Ohio**  
Nakajima T., Shrestha R. K., Jacinthe P. -, Lal R., Bilen S., Dick W.  
SOIL USE AND MANAGEMENT, vol.32, no.4, pp.515-524, 2016 (Journal Indexed in SCI)
- 7. The effect of fire on the vegetation and soil properties of ungrazed shortgrass steppe rangeland of the Eastern Anatolia region of Turkey**  
Erkovan S., Koc A., Güllap M. K., Erkovan H. I., Bilen S.  
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.40, no.2, pp.290-299, 2016 (Journal Indexed in SCI)
- 8. Effects of no-till duration on the methane oxidation capacity of Alfisols**  
Jacinthe P., Dick W. A., Lal R., Shrestha R. K., Bilen S.  
BIOLOGY AND FERTILITY OF SOILS, vol.50, no.3, pp.477-486, 2014 (Journal Indexed in SCI)
- 9. Effects of various tillage systems on soil CO<sub>2</sub>-C fluxes and on bacteria and fungi populations in Zea mays**  
Altıkat S., Çelik A., Bilen S.  
African Journal Of Agricultural Research, vol.7, pp.2926-2934, 2012 (Journal Indexed in SCI Expanded)
- 10. Isolation and characterization of metal resistant-tolerant rhizosphere bacteria from the serpentine soils in Turkey**  
Turgay O. C., Gormez A., Bilen S.  
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.184, no.1, pp.515-526, 2012 (Journal Indexed in SCI)
- 11. Sulfite oxidase enzyme activity in soil**  
Bilen S., Dick W. A.  
BIOLOGY AND FERTILITY OF SOILS, vol.47, no.6, pp.647-654, 2011 (Journal Indexed in SCI)
- 12. Effects of strip and full-width tillage on soil carbon IV oxide-carbon (CO<sub>2</sub>-C) fluxes and on bacterial and fungal populations in sunflower**  
Bilen S., Çelik A., Altıkat S.  
AFRICAN JOURNAL OF BIOTECHNOLOGY, vol.9, no.38, pp.6312-6319, 2010 (Journal Indexed in SCI)
- 13. Total Phenolics Mineral Contents Antioxidant and Antibacterial Activities of *Glycyrrhiza Glabra* L. Roots Grown Wild in Turkey Italian Journal of Food Science**  
ERÇİŞLİ S., ÇORUH İ., GÖRMEZ A., ŞENGÜL M., BİLEN S.  
Italian Journal Of Food Science, vol.1, pp.91-99, 2008 (Journal Indexed in SCI Expanded)
- 14. Total phenolics, mineral contents, antioxidant and antibacterial activities of *Glycyrrhiza glabra* L. roots grown wild in Turkey**

Ercişli S., Çoruh İ., Gormez A., Şengül M., Bilen S.

ITALIAN JOURNAL OF FOOD SCIENCE, vol.20, no.1, pp.91-99, 2008 (Journal Indexed in SCI)

15. **Total phenolics, mineral elements, antioxidant and antibacterial activities of some edible wild plants in Turkey**

Coruh I, Gormez A. A. , Ercisli S, Bilen S.

Asian Journal of Chemistry, vol.19, no.7, pp.5755-5762, 2007 (Journal Indexed in SCI Expanded)

16. **Effect of plant growth-promoting bacteria and soil compaction on barley seedling growth, nutrient uptake, soil properties and rhizosphere microflora**

Canbolat M. Y. , Bilen S., Cakmakçı R., Sahın F., Aydın A.

BIOLOGY AND FERTILITY OF SOILS, vol.42, no.4, pp.350-357, 2006 (Journal Indexed in SCI)

## Articles Published in Other Journals

1. **Assessment of earthworm (Aporrectodea molleri)'s coelomic fluid-associated bacteria on different plant growth-promoting traits and maize germination and seedling growth**

Yakkou L., Houida S., BİLEN S., Kaya L. O. , Raouane M., Amghar S., El Harti A.

BIOCATALYSIS AND AGRICULTURAL BIOTECHNOLOGY, vol.42, 2022 (Journal Indexed in ESCI)

2. **2018 - Ulusal Hak - Araş Mak - Deterjan çözeltilerinin tarım topraklarının bazı özellikleri üzerine etkileri**

Bilen S., Okyay Kaya L.

Artvin Çoruh Üniversitesi Orman Fakültesi Dergisi, vol.19, pp.1-10, 2018 (Other Refereed National Journals)

3. **2017 - Ulusal Hak - Araş Mak - Topraktaki Ağır Metallerin Absorbsiyonu Üzerine Bakteri İzolatlarının Etkisi**

Bilen S., Yıldırım E.

Türk Tarım ve Doğa Bilimleri Dergisi - Journal of the Faculty of Agriculture, vol.4, no.3, pp.355-367, 2017

(International Refereed University Journal)

4. **2017 - Ulusal Hak - Derleme - Su Kirliliği ve Topraklar Üzerine Etkileri**

Bilen S.

İşte Sağlık, no.23, 2017 (Other Refereed National Journals)

5. **2013 - Int Hak - SWJ - Environmental Impacts of No-Till and Cultivation Practices on Greenhouse Gas Fluxes**

Bilen S., Shrestha R., Jacinthe P. A. , Dick W. A. , Lal R.

SOIL-WATER JOURNAL, vol.2, no.2, pp.1863-1870, 2013 (Refereed Journals of Other Institutions)

6. **Supporting negative impacts of local fat plant Erzurum Turkey on the population and variety of aquatic Coleoptera in Karasu river by physico chemical parameters**

İncekara Ü., Bilen S., Yıldız Y. Ş. , Aşkın H.

Munis Entomology and Zoology, vol.4, no.2, pp.555, 2009 (International Refereed University Journal)

7. **Supporting Negative Impacts of Local Fat Plant Erzurum Turkey on The Population and Variety of Aquatic Coleoptera in Karasu River by The Physico Chemical Parameters**

İNCEKARA Ü., BİLEN S., YILDIZ Y. Ş. , AŞKIN H.

Munis Entomology Zoology, vol.4, no.2, pp.555-559, 2009 (Refereed Journals of Other Institutions)

8. **Total Phenolics Mineral Elements Antioxidant and Antibacterial Activities of Some Edible Wild Plants in Turkey Asian Journal of Chemistry**

ÇORUH İ., GÖRMEZ A., ERCİŞLİ S., BİLEN S.

Asian Journal Of Chemistry, vol.19, no.7, pp.5755-5762, 2007 (Refereed Journals of Other Institutions)

9. **2005 - Ulusal Hak - Derleme - Toprak Kirlenmesi ve Biyolojik Çevre**

Kızıloğlu F. T. , Bilen S.

Atatürk Üni. Ziraat Fak. Dergisi,, vol.36, no.1, pp.83-88, 2005 (Other Refereed National Journals)

10. **2005 - Int Hak - PSP - Effects of Inoculation with Rhizobium phaseoli F7 F83 Isolates and Magnesium Fertilization on Dry Matter and Nitrogen Content of Bean Phaseolus Vulgaris**

BİLEN S., KIZILOĞLU F. T.

Parlar Scientific Publications (PSP) Advances Food Sciences, vol.27, no.3, pp.109-115, 2005 (Refereed Journals of Other Institutions)

11. **Farklı Topraklara Uygulanan Azotlu Gübrelemenin Nitrifikasyon Üzerine Etkisi**  
Kızıloğlu F. T. , Bilen S., Ataoğlu N.  
Atatürk Üni. Zir. Fak. Dergisi, vol.32, pp.137-142, 2001 (National Refreed University Journal)
12. **Azotobacter chroococcum İle Aşılamanın ve Çeşitli Düzeylerde Azot Gübrelemesinin Mısırın Zea Mays L Kök Üstü Kök Kuru Madde Miktarı Oranına Karbonhidrat ve Protein İçeriğine Etkisi**  
Kızıloğlu F. T. , Bilen S., Ataoğlu N.  
Atatürk Üni. Zir. Fak. Dergisi, vol.32, no.3, pp.215-221, 2001 (Other Refreed National Journals)
13. **Erzincan Ovasında Yetiştirilen Starking Delicious Elma Çeşidinin Beslenme Durumunun Belirlenmesi Üzerinde Bir Araştırma**  
Gülertüz M., Ercişli S., Bilen S.  
Turkish Journal Of Agriculture And Forestry, vol.23, pp.311-317, 1999 (Journal Indexed in ESCI)
14. **1993 - Ulusal Hak - Araş Mak - Toprak Reaksiyonunun Bitki Besin Elementleri Elverişliliği Üzerine Etkisi**  
Bilen S., Yıldırım S.  
Atatürk Üniversitesi, Ziraat Fakültesi Dergisi, vol.24, no.2, pp.156-166, 1993 (Other Refreed National Journals)

## Books & Book Chapters

1. **2022 - Int Book Chapter - PHAM - Enzymatic Analyses in Soils**  
BİLEN S., TURAN V.  
in: Practical Handbook on Agricultural Microbiology, Natarajan Amaresan, Pritesh Patel, Dhruvi Amin, Editor, Springer Protocols Handbooks book series (SPH), New York, NY, U.S.A., pp.377-385, 2022
2. **2012 - Int Book Chapter - The Role of Plant Growth-Promoting Rhizosphere Bacteria (PGPR) in Toxic Metal Extraction by Brassica spp. Chapter 8**  
TURGAY O. C. , BİLEN S.  
in: The Plant Family Brassicaceae Environmental Pollution, Naser A. Anjum, Iqbal Ahmad, M. Eduarda Pereira, Armando C. Duarte, Shahid Umar, Nafees A. Khan, Editor, Springer Dordrecht Heidelberg New York London. Springer ScienceBusiness Media B.V. 2012., New York, pp.213-238, 2012
3. **2011 - Int Book Chapter - Biological Active Compounds in Soil: Plant hormones and allelochemicals. Chapter 12,**  
BİLEN S., Jeong Jin K., Warren A D.  
in: Methods of Soil Enzymology, Richard P. Dick, Editor, Soil Science Society of America, Madison, WI, USA., Madison, Wisconsin, pp.261-274, 2011
4. **2011 - Int Book Chapter - Sulfur Cycle Enzymes. Chapter 7,**  
SUSANNE K., BİLEN S., M ALİ T., WARREN A D.  
in: Methods of Soil Enzymology, Richard P. Dick, Editor, Soil Science Society of America, Madison, WI, USA., Madison, Wisconsin, pp.125-159, 2011

## Refereed Congress / Symposium Publications in Proceedings

1. **2019 - Int Cong - TM - Relations Between Boron Fertilization and Soil Microbial Properties. (OP)**  
BİLEN S., Bilen M.  
ICADET "3rd International Conference on Advanced Engineering Technologies (ICADET)" Bayburt 19-21 Eylül 2019. , 19 - 21 November 2019
2. **2019 - Int Cong - TM - SSSA San Antonio TX - Impacts of Cement Dust Emissions on Predicting Soil CO2 Fluxes in Gumushane, Turkey.**

Bilen S., Özlü E., Bilen M., Özgül M., Barik K.

ASA-SSSA Int. Annual Meetings of the ASA, CSSA, and SSSA. San Antonio, TX, USA. 10-13 November 2019.

"Embracing the Digital Environment", Texas, United States Of America, 10 - 13 November 2019

3. **2019 - Int Cong - TM - Response of different olive pulp biochar doses with sulfur or alone on microbial respiration and total bacteria population of soil.**  
TURAN V., BİLEN S.  
ICSAE 6th Int. Con. on Sustainable Agri. and Envi. (6th ICSAE),"3-5 Ekim 2019. Konya., 3 - 05 October 2019
4. **2019 - Int Cong - TM - Effects of Achillea millefolium L. oil extracts and Rhizobia inoculation on phosphorus content of Phaseolus vulgaris.**  
BİLEN S., TURAN V.  
ICSAE 6th Int. Con. on Sus. Agri. and Envi. Konya. 3-5 Ekim 2019., 3 - 05 October 2019
5. **2018 - Int Cong - TM - Agbiol Edirne - Effects of Soil Tillage on Soil Properties**  
Bilen S., Islam R., Bilen M., Özgül M.  
"International Agricultural, Biological and Life Science Conference" Trakya University, Edirne, Turkey. September 2-5, 2018., Edirne, Turkey, 2 - 05 September 2018
6. **2018 - Int Cong - TM - Agbiol Edirne - Soil Phospatase Ativity in Different Buffer pH**  
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7. **Evaluation of mechanical behaviors of soil with different soil texture and aggregate size**  
HACİMÜFTÜOĞLU F., BİLEN S., CANBOLAT M. Y.  
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8. **Effects of No-till (Conservation) Systems and Conventional Tillage Systems on Some Soil Properties**  
BİLEN S., CANBOLAT M. Y. , HACİMÜFTÜOĞLU F.  
IV. International Agriculture Congress Nevşehir, Turkey. 05-08 July 2018, 5 - 08 July 2018
9. **Effects of organic and chemical fertilizer on some soil properties**  
BİLEN S., HACİMÜFTÜOĞLU F., CANBOLAT M. Y.  
IV. International Agriculture Congress Nevşehir, Turkey 05-08 July, 2018., 5 - 08 June 2018
10. **2017 - Çalıştay - TM - Mikrobiyal Gübrelemede Toprak Özellikleri ve Çevre Şartları Gıda Tarım ve Hayvancılık Bakanlığı**  
BİLEN S.  
Mikrobiyal Gübre Çalıştayı. Ilgaz Dağı Biyolojik Çeşitlilik ve Doğal Kaynaklar Araştırma ve Eğitim Merkezi, Kastamonu, Türkiye., Turkey, 23 - 24 October 2017
11. **2017 - Int Cong - TM - Effects of Achillea plant Essential Oil and some Rhizobium Bacteria Inoculation on Enzyme Activity of Soil planted bean (Phaseolus vulgaris) plant**  
BİLEN S., TURAN V.  
International ASA, CSSA, SSSA Annual Meetings Tampa, Florida, 22 - 25 October 2017
12. **2017 - Int Cong - TM - Effects of Achillea Plant Essential Oil and Some Rhizobium Bacteria Inoculation on Soil Enzyme Activity in Bean (Phaseolus vulgaris) Plant.**  
BİLEN S., TURAN V.  
Managing Global Resources for a Secure Future 2017 Annual Meeting October 22-25 Tampa, FL, 22 - 25 October 2017
13. **2017 - Int Cong - TM - Alkaline Phosphatase Activity in Soil Affected by Additions of Zinc**  
BİLEN S., DİCK W. A.  
ICADET "1st International Organic Agriculture and Biodiversity Symposium 27-29 September 2017 Bayburt", 27 - 29 September 2017
14. **2017 - Int ong - Poster - Sulardaki Toprak Kirletici Maddelerin Tarım Toprakları Üzerine Etkileri**  
BİLEN S., OKYAY KAYA L.  
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15. **2017 - Int Cong - TM - Aşkale Cement Dust Emission Effects on Soil Biological, Chemical and Soil Quality**



BİLEN S., OKYAY KAYA L., ISLAM R.

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16. **Laundry detergents play a very large role in daily life Commercial laundry detergent however contains many irritating and potentially toxic ingredients**  
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SSSA Division: Soil Biology and Biochemistry Tuesday, November 8, 2016: 4:00 PM-6:00 PM Phoenix Convention Center North, Exhibit Hall CDE, Los-Angeles, Chile, 6 - 09 November 2016
17. **Effects of Laundry Detergent Residues on Some Biochemical Properties of the Farming Soil and Seeds Germination Rates**  
BİLEN S., BARIK K.  
Resilience Emerging from Scarcity and Abundance" . ASA, CSSA, SSSA International Annual Meetings, Phoenix, AZ. (Poster)(YayınNo:1317231), Phoenix, United States Of America, 6 - 09 November 2016
18. **2015 - Int Cong - Poster - Effects of dust detergent residues on biological properties of the farming soils**  
BİLEN S., Bilen M., Yılmaz O.  
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19. **2015 - Int Cong - TM - CONCENTRATIONS OF MAJOR AND TRACE ELEMENTS IN SEDIMENT AND WATER OF VAN LAKE TURKEY BY ICP OES AND EDXRF**  
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20. **2014 - Int Cong - Poster - Effects of Plant Essential Oils on Soil Microbial Community and Soil Respiration 2014**  
TURAN V., BİLEN S.  
ASA, CSSA, SSSA International Annual Meetings, Long Beach, California., 2 - 05 November 2014
21. **2014 - Int Cong - Poster - Influence of Essential Oils on the Productivity of Bean Phaseolus vulgaris and Soil Microbial Community and Effectiveness of Rhizobium leguminosarum Inoculation**  
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ASA, CSSA, SSSA International Annual Meetings, Long Beach, California., 2 - 05 November 2014
22. **2014 - Int Cong - TM Sunu - Influence of plant exudates essential oils and or some different bacteria solution on the productivity of P vulgaris and soil microbial community**  
TURAN V., BİLEN S.  
9th International Soil Science Congress on "The Soul of Soil and Civilization, Side, Antalya / Turkey., 14 - 16 October 2014
23. **2013 - Int Cong - TM Sunu - Environmental Impacts of No Till and Cultivation Practices on Greenhouse Gas Fluxes**  
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25. **2012 - Int Cong - TM Sunu - Tillage and Rotation Impacts on Greenhouse Gas Fluxes in Ohio USA**  
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26. **2012 - Int Cong - Poster - Greenhouse Gas Budgets After 46 years of Continuous Application of Various Tillage Practices**  
BİLEN S., Shrestha R., Jacinthe P. A. , Dick W. A. , Lal R.

The 8th International Soil Science Congress on "Land Degredation and Challenges in Sustainable Soil Management" 15-17 May 2012, Cesme-İzmir-Turkey., İzmir, Turkey, 15 - 17 May 2012

27. **2011 - Int Cong - Poster - Greenhouse gases emission and carbon sequestration in agro ecosystems under long term no till implications for global warming mitigation Soil Carbon and Nitrogen Cycles Scaling Processes From Observations to Models II Posters**  
Jacinthe P. A. , Dick W. A. , Lal R., Shrestha R., BİLEN S.  
International AGU (American Geologist Union) Fall Meeting, December 5-9, Moscone Center, San Francisco, CA., San-Francisco, Costa Rica, 5 - 09 December 2011
28. **2011 - Int Cong - TM - No till Increases Nitrous Oxide Emissions and Global Warming Potential. Raj Shrestha, Pierre Andre Jacinthe, Serdar Bilen, Sindhu Jagadamma, Warren Dick Rattan Lal**  
SHRESTA R., JACHİNTE P. A. , BİLEN S., JAGADAMA S., DİCK W. A. , LAL R.  
ASA-CSSA-SSSA 2011 International Annual Meetings, "Fundamental for Life: Soil, Crop, Environmental Sciences," San Antonio, TX, 16 - 19 October 2011
29. **2010 - Int Cong - OP - Nitrogen Dynamics and Greenhouse Gas Emissions in a No till Chronosequence**  
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30. **2010 - Int Cong - Poster - Greenhouse Gas Fluxes in A Tillage Chronosequence ASA CSSA and SSSA**  
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31. **2010 - Int Cong - TM - Isolation and Characterization of Metal Tolerant BRB from Serpentine and Mine Soils in Turkey**  
TURGAY O. C. , GÖRMEZ A., BİLEN S.  
International Soil Science Congress on Management of Natural Resources to Sustain Soil Health and Quality Ondokuz Mayıs University, Samsun, Turkey, May 26-28, 2010, Abstract book, 151., Samsun, Turkey, 26 - 28 May 2010
32. **2010 - Int Cong - Poster - Greenhouse Gas Budget in a Widespread Tillage Chronosequence**  
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33. **2007 - Int Cong - Poster - Influence of Different Bioremediation Treatments on Enzyme Activities Biochemical Fertility Index and Hydrocarbon Content in an Experimentally Crude Oil Polluted Soil Proceedings,**  
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The Third International Conference. Enzymes in the Environment, Viterbo-Italy. 15-19 July, Viterbo / ITALY, P 95 No 902, 15 - 19 July 2007, vol.902, pp.95
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TURGAY O. C. , Erdoğan E., BİLEN S., NAMLI A.  
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35. **2005 - Nat Cong - TM - Farklı Yaşlardaki Değişik Rhizobium Kültürleri İle Aşılamanın Ve Çeşitli Dozlardaki Azotlu Mineral Gübrelemenin Mercimek Lens Culunaris Bitkisinin Simbiyotik Özellikleri Üzerine Etkileri**  
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36. **2006 - Int Cong - TM - Advanced Techniques in Soil Microbiology Structural and Functional Characterization of Soil Microbial Diversity by CLLP Analysis and PLFA Profiling**  
TURGAY O. C. , BİLEN S., GÖRMEZ A., YUVALI ÇELİK G.  
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38. **2004 - Nat Cong - TM - Farklı Azotlu Gübre Kaynaklarının Kuru Fasulye Phaseolus vulgaris Bitkisinin Verim ve Verim Unsurları Üzerine Etkileri**  
KILIÇ E., TURAN M., BİLEN S., ŞAHİN F.  
3. Ulusal Gübre Kongresi, Tarım Sanayi Çevre. 11-13 Ekim, Biyogübreler, s: 953-958., Turkey, 11 - 13 October 2004, pp.953-958
39. **2004 - Nat Cong - TM - Toprakta ve Yapraktan Uygulanan Azotlu Gübrelemenin ve Azotobacter sp İzolati İle Aşılamanın Buğday Bitkisinin Kuru Madde Miktarı ve Toplam Azot İçeriği Üzerine Etkisi**  
KIZILOĞLU F. T., BİLEN S.  
3. Ulusal Gübre Kongresi, Tarım Sanayi Çevre. 11-13 Ekim, Biyogübreler, s: 945-952. Tokat, Turkey, 11 - 13 October 2004, pp.945-952
40. **The effects of some plant growth regulators on changes of element contents in vegetative organs of bean Phaseolus vulgaris L cv Terzibaba 1998 at chilling temperature**  
DURLUPINAR R., BİLEN S., ERDAL S.  
International Soil Congress, 10 - 14 June 2004
41. **2004 - Int Cong - TM - Effects of Inoculation With Single And Mixed Culture Isolates on Dry Matter Nitrogen Nodule Number And Nodule Nitrogen Contents of Beans Phaseolus Vulgaris**  
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42. **Effects Of Some Plant Growth Regulators on Macro Element Contents Ca Mg And K of Bean Plant Phaseolus Vulgaris L Cv Terzibaba 1998 At Chilling Temperatures**  
DURLUPINAR R., BİLEN S., ERDAL S.  
International Soil Congress (ISC) on "Natural Resource Management for Sustainable Development" June 7-10, M.6, s:33-42, Erzurum-Turkey, 7 - 10 June 2004, vol.6, pp.33-42
43. **2004 - Int Cong - TM - Effects Of Organic And Chemical Fertilizers on Yield And Yield Parameters of Bean Phaseolus Vulgaris**  
KILIÇ E., BİLEN S., TURAN M., ŞAHİN F.  
International Soil Congress (ISC) on "Natural Resource Management for Sustainable Development" June 7-10, H.5, s: 32-38, Erzurum-Turkey, 7 - 10 June 2004, vol.5, pp.32-38
44. **1998 - Int Cong - TM - Effect of microbial inoculation and chemical fertilizer on protein carbohydrate and shoot root dry matter ratio of corn Zea mays L plant**  
KIZILOĞLU F. T., BİLEN S., ATAĞLU N.  
M. Şefik Yeşilsoy International Symposium On Arid Region Soils. Organized by Soil Science Society of Turkey, General Directorate of Rural Services, Çukurova University and held under the aegis of the International Society of Soil Science. 21-24 September, Menemen, İzmir, Turkey, p:236-243., 21 - 24 September 1998, pp.236-243
45. **2002 - Int Cong - TM - Effects of Inoculation with Rhizobium Isolates and Different Doses of Magnesium Fertilizer on Dry Matter NO<sub>3</sub> N and Total Nitrogen Contents of Beans Phaseolus Vulgaris**  
BİLEN S., ATAĞLU N., KIZILOĞLU F. T.  
International Conference on Sustainable Land Use and Management. 10-13 June 2002. Çanakkale-Turkey/, 10 - 13 June 2002
46. **1999 - Nat Cong - TM - Değişik Azot Kaynaklarının Farklı Zamanlarda Uygulanmasının Patates Yumrusunun Besin Elementi İçeriğine Etkisi**  
KARADOĞAN T., BİLEN S.  
II. Ulusal Patates Kongresi, 28-30 Haziran. Erzurum, Turkey, 28 - 30 June 1999, pp.390-401
47. **1999 - Nat Cong - TM - Azot ve Fosforun Uygulama Şekli ve Miktarının Patates Yumrusunun Besin**

## Elementi İçeriğine Etkisi Atatürk Üniversitesi Ziraat Fakültesi

KARADOĞAN T., BİLEN S.

II. Ulusal Patates Kongresi, 28-30 Haziran. s: 384-389, Erzurum, Turkey, 28 - 30 June 1999, pp.384-389

48. **1998 - Nat Cong - TM - Azotlu ve mikrobiyal gübrelemenin bazı toprak özellikleri ile inorganik azot miktarına etkisi**  
KIZILOĞLU F. T. , ATAĞLU N., BİLEN S.  
5. Ulusal Nükleer Tarım ve Hayvancılık Kongresi 20-22 Ekim Tebliğ Tam Metinleri Kitabı Selçuk Üniv. Konya, s:17-23., Turkey, 20 October - 22 September 1998, pp.17-23
49. **1998 - TM - Çeşitli Mısır bitkilerinin kök gövde ve yaprak kuru madde miktarları ve NO3 azotu içeriği üzerine Azotobacter chroococcum kültürleri ile aşılamanın ve azotlu kimyasal gübrelemenin etkisi**  
KIZILOĞLU F. T. , BİLEN S., ATAĞLU N.  
Doğu Anadolu Tarım Kongresi 14-18 Eylül Bildiri Kitabı, s: 1326-1337. Erzurum, Turkey, 14 - 18 September 1998, pp.1326-1337
50. **1995 - Nat Cong - TM - Topraklara Uygulanan Farklı Konsantrasyonlardaki Değişik Tuzların Birbirleri Üzerine Tamamlayıcı İyon Etkileri**  
BİLEN S., Yıldırım S.  
İlhan Akalan Toprak ve Çevre Sempozyumu, 27-29 Eylül, Cilt 1, s: A-36.Yayın No: 7, Ankara., Turkey, 27 - 29 September 1995, vol.1, pp.36

## Visual Activities

BİLEN S., Radio Program, 2018 - 2018

BİLEN S., Radio Program, 2018 - 2018

## Academic and Administrative Experience

2021 - Continues	<b>Performans Değerlendirme Komisyonu Üyesi</b>	Ataturk University, Ziraat Fakültesi, Toprak Bilimi Ve Bitki Besleme
2021 - Continues	<b>Atatürk Üniversitesi Spor Kulübü Yönetim Kurulu Üyesi</b>	Ataturk University, Ziraat Fakültesi, Toprak Bilimi ve Bitki Besleme
2020 - Continues	<b>Deputy Head of Department</b>	Ataturk University, Ziraat Fakültesi, Toprak Bilimi ve Bitki Besleme
2019 - Continues	<b>Fakülte Spor Koordinatörü</b>	Ataturk University, Ziraat Fakültesi, Toprak Bilimi ve Bitki Besleme
2019 - Continues	<b>Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi</b>	Ataturk University, Ziraat Fakültesi, Toprak Bilimi ve Bitki Besleme
2018 - Continues	<b>Anabilim Dalı Akademik Kurul Üyesi</b>	Ataturk University, Ziraat Fakültesi, Toprak Bilimi Ve Bitki Besleme
2018 - Continues	<b>Birim Tanıtım ve Mezunlarla İlişkiler Komisyonu Üyesi</b>	Ataturk University, Ziraat Fakültesi, Toprak Bilimi Ve Bitki Besleme

2018 - Continues	<b>Bölüm Tanıtım ve Mezunlarla İlişkiler Komisyonu Üyesi</b>	Ataturk University, Ziraat Fakültesi, Toprak Bilimi Ve Bitki Besleme
2018 - Continues	<b>Birim Kalite Komisyonu Üyesi</b>	Ataturk University, Ziraat Fakültesi, Toprak Bilimi Ve Bitki Besleme
2018 - Continues	<b>Bölüm Kalite Komisyonu Üyesi</b>	Ataturk University, Ziraat Fakültesi, Toprak Bilimi Ve Bitki Besleme
2018 - Continues	<b>Member of Programme Steering Committee</b>	Ataturk University, Ziraat Fakültesi, Toprak Bilimi Ve Bitki Besleme
2016 - Continues	<b>Tarım Bilgi Sistemi Bölüm Laboratuvar Sorumlusu (ÇKS)</b>	Ataturk University, Ziraat Fakültesi, Toprak Bilimi Ve Bitki Besleme
2016 - Continues	<b>Head of Department</b>	Ataturk University, Ziraat Fakültesi, Toprak Bilimi Ve Bitki Besleme
2015 - Continues	<b>Adaptation/Exemption Committee Member</b>	Ataturk University, Ziraat Fakültesi, Toprak Bilimi Ve Bitki Besleme
2015 - Continues	<b>Fakülte Akademik Kurul Üyesi</b>	Ataturk University, Ziraat Fakültesi, Toprak Bilimi Ve Bitki Besleme
2014 - Continues	<b>Erasmus Program Institutional Coordinator</b>	Ataturk University, Ziraat Fakültesi, Toprak Bilimi ve Bitki Besleme
2014 - 2020	<b>Bologna</b>	Ataturk University, Ziraat Fakültesi, Toprak Bilimi ve Bitki Besleme
2014 - 2018	<b>Mevlana Exchange Program Institutional Coordinator</b>	Ataturk University, Ziraat Fakültesi, Toprak Bilimi ve Bitki Besleme
2014 - 2018	<b>Farabi Program Institutional Coordinator</b>	Ataturk University, Ziraat Fakültesi, Toprak Bilimi ve Bitki Besleme

## Courses

Danışmanlık, Postgraduate, 2019 - 2020, 2020 - 2021, 2021 - 2022

Proje Tasarımı ve Veri Analizleri II, Undergraduate, 2018 - 2019, 2019 - 2020, 2020 - 2021, 2021 - 2022

Toprak Ekolojisi, Undergraduate, 2021 - 2022

Ekolojik Tarım, Undergraduate, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021, 2021 - 2022

Mikrobiyal Gübreleme, Undergraduate, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021, 2021 - 2022

Toprak Bilgisi, Undergraduate, 2018 - 2019, 2019 - 2020, 2020 - 2021, 2021 - 2022

Toprak Analizleri, Undergraduate, 2021 - 2022

Mezuniyet Çalışması, Undergraduate, 2021 - 2022

Toprak Mikroorganizmalarını İnceleme Metodları, Postgraduate, 2018 - 2019, 2019 - 2020, 2020 - 2021, 2021 - 2022

Toprak Biliminin İlkeleri 2, Undergraduate, 2019 - 2020, 2020 - 2021, 2021 - 2022

Uzmanlık Alan Dersi, Postgraduate, 2019 - 2020, 2020 - 2021, 2021 - 2022

Toprak Biyolojisi, Undergraduate, 2021 - 2022

Toprak Biyolojisi, Undergraduate, 2018 - 2019, 2019 - 2020, 2020 - 2021, 2021 - 2022

Proje Tasarımı Ve Veri Analizleri I, Undergraduate, 2018 - 2019, 2019 - 2020, 2020 - 2021, 2021 - 2022  
Toprak Mikrobiyolojisi, Postgraduate, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021, 2021 - 2022  
Bitki Biyokimyası ve Fizyolojisi, Undergraduate, 2020 - 2021, 2021 - 2022  
Toprak Laboratuvar Teknikleri, Undergraduate, 2019 - 2020, 2020 - 2021, 2021 - 2022  
Toprak ve Çevresel Biokimya, Doctorate, 2018 - 2019, 2019 - 2020, 2020 - 2021, 2021 - 2022

## Advising Theses

Bilen S., Toprakta İzole Edilen Azot Fikse eden Bakteriler ile Aşılamanın Lahana Bitkisinin Azot ve Fosfor İçeriği Üzerine Etkileri, Doctorate, A.YEMİŞÇİ(Student), Continues  
Bilen S., Deve Gübresinin Toprakların Biyolojik Özelliklerine Etkileri, Postgraduate, G.Çelebi(Student), Continues  
Bilen S., Toprakta izole edilen bakterilerin mısır bitkisinin gelişimi üzerine etkileri, Doctorate, L.OKYAY(Student), Continues  
Bilen S., Amghar S., Isolation of microorganisms living in association in the tissue structures of the earthworm (*lumbricus terrestris*) and the dermination of its role in the rhizosphere., Doctorate, L.Yakkou(Student), 2022  
Bilen S., Ağır metallerin toprakların biyolojik özellikleri üzerine etkileri, Postgraduate, A.YAVUZ(Student), 2019  
Bilen S., Şeker pancarı küspesinin toprakların bazı biyolojik özellikleri üzerine etkisi, Postgraduate, M.YAPICI(Student), 2019  
Bilen S., Bazı organik (at ve tavuk) gübrelerin toprağın biyolojik özellikleri üzerine etkileri, Postgraduate, Z.KURT(Student), 2019  
Bilen S., Köy ve Çiftlik Ortamında Yetiştirilen Tavuklardan Elde Edilen Gübrelerin Toprakların Bazı Özellikleri Üzerine Etkileri., Postgraduate, V.Aslan(Student), 2018  
Bilen S., Azotlu Mineral Gübre ve *Azotobacter* sp Bakteri Uygulamasının Fındık Verimi Üzerine Etkileri., Postgraduate, O.ÜÇÜNCÜ(Student), 2018  
Bilen S., Toz deterjan çözeltilerinin tarım topraklarının özellikleri üzerine etkileri, Postgraduate, L.OKYAY(Student), 2018  
Bilen S., Effects of vermicompost fertilization on some soil properties, Postgraduate, A.YEMİŞÇİ(Student), 2018  
Bilen S., Azotlu mineral gübre ve *Azotobacter* sp bakteri uygulamasının fındık verimi üzerine etkileri, Postgraduate, O.ÜÇÜNCÜ(Student), 2018  
Bilen S., Doğal koşullarda ve çiftlik ortamında yetiştirilen tavuklardan elde edilen gübrelerin toprakların bazı özellikleri üzerine etkileri, Postgraduate, V.ASLAN(Student), 2018  
Bilen S., Toprakların ağır metal içerikleri üzerine çeşitli bakteri izolatlarının etkileri, Postgraduate, E.YILDIRIM(Student), 2017  
Bilen S., *Achillea* bitkisi uçucu yağı ve *Rhizobium* bakterileri ile aşılamanın fasulye (*Phaseolous vulgaris*)'de bitki gelişimi, toprağın biyolojik ve biyokimyasal özellikleri üzerine etkileri, Doctorate, V.TURAN(Student), 2016  
Bilen S., Fertigasyon metodu ile sulamanın, farklı dozlarda azotlu gübrelemenin ve bakteri (*Azotobacter* spp.) aşılmasının mısır (*Zea mays* L.) bitkisinin bazı verim unsurları üzerine etkileri, Postgraduate, N.DEMİRCİ(Student), 2014  
Bilen S., Farklı yaşlardaki *Rhizobium* kültürleri ile aşılamanın mercimek bitkisinin verim unsurları üzerine etkisi, Postgraduate, S.MATUR(Student), 2009

## Activities in Scientific Journals

Turkish Journal of Agriculture and Forestry, Assistant Editor, 2021 - Continues  
Turkish Journal Of Agriculture And Forestry, Assistant Editor, 2020 - Continues

## Memberships / Tasks in Scientific Organizations

American Geophysical Union, Member, 2013 - Continues  
Soil Science Society of America, Member, 2009 - Continues

Çevre Gönüllüleri Derneği, Member, 2005 - Continues  
Ziraat Mühendisleri Odası, Member, 1996 - Continues  
Toprak İlimi Derneği, Member, 1994 - Continues

## Scientific Refereeing

kahramanmaraş sütçü imam üniversitesi Tarım ve Doğa Dergisi, Other Journals, October 2021  
Project Supported by Higher Education Institutions, BAP Research Project, Iğdir University, Turkey, October 2021  
SOIL & TILLAGE RESEARCH, SCI Journal, July 2021  
BIOMEDICAL AND ENVIRONMENTAL SCIENCES, SCI Journal, July 2021  
ARCHIVES OF MICROBIOLOGY, SCI Journal, April 2021  
GÜMÜŞHANE ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, National Scientific Refreed Journal, January 2021  
Selcuk Journal of Agriculture and Food Sci, Journal Indexed in ESCI, November 2020  
Current Journal of Applied Science and Technology, Other Journals, October 2020  
Kahraman Maraş Sütçü İmam Üni Dergisi, Journal Indexed in ESCI, October 2020  
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, SCI Journal, September 2020  
Journal of Agriculture and Nature, Other Journals, August 2020  
SOIL & TILLAGE RESEARCH, SCI Journal, August 2020  
Alinteri, Journal Indexed in ESCI, August 2020  
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Ataturk University, Turkey, August 2020  
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Ataturk University, Turkey, June 2020  
Asian Journal of Advances in Agricultural Research, Journal Indexed in ESCI, May 2020  
GÜMÜŞHANE ÜNİVERSİTESİ FEN BİLİMLERİ ENSTİTÜSÜ DERGİSİ, National Scientific Refreed Journal, May 2020  
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, SCI Journal, February 2020  
Turkish Journal of Agriculture, Journal Indexed in ESCI, January 2020  
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Ataturk University, Turkey, January 2020  
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JOURNAL OF AGRICULTURAL SCIENCES-TARIM BİLİMLERİ DERGİSİ, SCI Journal, August 2019  
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Turkish Journal of Agriculture – TURJAF , Other Indexed Journal, April 2019  
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African Journal of Agricultural Research. AJAR-11-722. 2011, SCI Journal, April 2011

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Geoderma. GEODER6229. 2010, SCI Journal, May 2010

African Journal of Agricultural Research. AJAR-10-041. 2010, SCI Journal, April 2010

## Tasks In Event Organizations

Bilen S., 3th International Symposium on Biodiversity Research (ISBR-2021), Scientific Congress, Erzurum, Turkey, Ekim 2021

## Edit Congress and Symposium Activities

Küresel Toprak Laboratuvarları Ağı (GLOSOLAN) beşinci toplantısı , Attendee, Ankara, Turkey, 2021

BİLEN SERDAR,Özlu Ekrem,Bilen Murat,ÖZGÜL MÜDAHİR,BARİK KENAN., 2019. Impacts of Cement Dust Emissions on Predicting Soil CO2 Fluxes in Gumushane, Turkey.ASA-SSSA Int. Annual Meetings of the ASA., CSSA, and SSSA. San Antonio, TX, USA. 10-13 November 2019. "Embracing the Digital Environment"., Working Group, Texas, United States Of America, 2019

TOVAG Bilimsel Araştırma Projeleri Panelist, Panelists, Ankara, Turkey, 2018

Int. Agricultural, Biological and Life Science Conference" Trakya University, Edirne, Turkey. September 2-5, 2018., Session Moderator, Edirne, Turkey, 2018

BİLEN SERDAR,İslam Refik,Bilen Murat,ÖZGÜL MÜDAHİR., 2018. EFFECTS OF SOIL TILLAGE ON SOIL PROPERTIES. "International Agricultural, Biological and Life Science Conference" Trakya University, Edirne, Turkey. September 2-5, 2018., Attendee, Edirne, Turkey, 2018

Trabzon Arazi Kullanım Çalıştayı, Moderator, Trabzon, Turkey, 2018

BİLEN SERDAR,Dick Warren A., 2018. SOIL PHOSPHATASE ACTIVITY IN DIFFERENT BUFFER PH AND STOCK CULTURE. "International Agricultural, Biological and Life Science Conference" Trakya University, Edirne, Turkey. September 2-5, 2018., Attendee, Edirne, Turkey, 2018

HACİMÜFTÜOĞLU FAZİL,BİLEN SERDAR,CANBOLAT MUSTAFA YILDIRIM., 2018. Evaluation of mechanical behaviors of soil with different soil texture and aggregate size. IV. International Agriculture Congress, Nevşehir Turkey. 05-08 2018, Attendee, Nevşehir, Turkey, 2018

BİLEN SERDAR,CANBOLAT MUSTAFA YILDIRIM,HACİMÜFTÜOĞLU FAZİL., 2018. Effects of No-till (Conservation) Systems and Conventional Tillage Systems on Some Soil Properties. IV. International Agriculture Congress, Nevşehir Turkey. 05-08 2018, Attendee, Nevşehir, Turkey, 2018

BİLEN SERDAR,HACİMÜFTÜOĞLU FAZİL,CANBOLAT MUSTAFA YILDIRIM., 2018. Effects of organic and chemical fertilizer on some soil properties. IV. International Agriculture Congress, Nevşehir Turkey. 05-08 2018, Attendee, Nevşehir, Turkey, 2018



TOVAG Bilimsel Araştırma Projeleri Panelist, Panelists, Ankara, Turkey, 2018

Serdar Bilen and Veysel Turan., 2017. Effects of Achillea plant Essential Oil and some Rhizobium Bacteria Inoculation on Enzyme Activity of Soil planted bean (*Phaseolus vulgaris*). Int. Annual Meetings of the ASA, CSSA and SSSA. "Managing Global Resources for a Secure Future," on Oct. 22-25, 2017, Tampa, Florida., Attendee, Florida, United States Of America, 2017

TOVAG Bilimsel Araştırma Projeleri Panelist, Panelists, Ankara, Turkey, 2017

Mikrobiyal Gübre Çalıştayı, Invited Speaker, Kastamonu, Turkey, 2017

Serdar Bilen, Refik Islam, Leyla Okyay Kaya., 2017. Aşkale Cement Dust Emission Effects on Soil Biological, Chemical and Soil Quality. "1. International Organic Agriculture and Biodiversity Symposium 27-29 September 2017 Bayburt", Attendee, Bayburt, Turkey, 2017

Serdar Bilen, Warren A. Dick., 2017. Alkaline Phosphatase Activity in Soil Affected by Additions of Zinc. "1. International Organic Agriculture and Biodiversity Symposium 27-29 September 2017 Bayburt", Attendee, Bayburt, Turkey, 2017

TOVAG Bilimsel Araştırma Projeleri Panelist, Panelists, Ankara, Turkey, 2017

TOVAG Bilimsel Araştırma Projeleri Panelist, Panelists, Ankara, Turkey, 2016

Serdar Bilen, Murat Bilen, Kenan Barik, Mustafa Yıldırım Canbolat. 2016. Effects of Laundry Detergent Residues on Some Biochemical Properties of the Farming Soil and Seeds Germination Rates. Resilience Emerging from Scarcity and Abundance. Int. Annual Meetings of the ASA, CSSA and SSSA. 6-9 November 2016. Phoenix Convention Center, Phoenix, AZ, USA., Attendee, Arizona, United States Of America, 2016

TOVAG Bilimsel Araştırma Projeleri Panelist, Panelists, Ankara, Turkey, 2016

Can Turgay, O., Bilen, S., Görmez, A., Çelik, G. Y., 2006. Advanced Techniques in Soil Microbiology; Structural and Functional Characterization of Soil Microbial Diversity by "CLLP Analysis " and "PLFA Profiling". 18 th International Soil Meeting (ISM) on "Soil Sustaining Life on Earth, Managing Soil and Technology". Proceedings Volume I. May 22-26, p: 7-14, Sanliurfa, Turkey., Attendee, Turkey, 2016

TOVAG Bilimsel Araştırma Projeleri Panelist, Panelists, Ankara, Turkey, 2015

Serdar Bilen, Murat Bilen, Orhan Yılmaz. 2015. Effects of dust detergent residues on biological properties of the farming soils. The Proceedings of the International Congress on "Soil Science in International Year of Soils". 19-23 October, 2015. Sochi, RUSSIA., Attendee, Sochi, Russia, 2015

TOVAG Bilimsel Araştırma Projeleri Panelist, Panelists, Ankara, Turkey, 2015

Serdar Bilen, 2014. Effects of Plant Essential Oils on Soil Microbial Community and Soil Respiration. 2014 ASA, CSSA, & SSSA Int. Annual Meetings, Nov. 2-5, Long Beach, CA., Attendee, California, United States Of America, 2014

TOVAG Bilimsel Araştırma Projeleri Panelist, Panelists, Ankara, Turkey, 2014

Veysel Turan, Serdar Bilen, 2014. Influence of Essential Oils on the Productivity of Bean (*Phaseolus vulgaris*) and Soil Microbial Community and Effectiveness of Rhizobium leguminosarum Inoculation. 2014 ASA, CSSA, & SSSA Int. Annual Meetings, November 2-5, 2014, Long Beach, California., Attendee, California, United States Of America, 2014

Serdar Bilen, 2014. Mikrobiyal Gübrelemede Toprak Özellikleri ve Çevre Şartları. Gıda Tarım ve Hayvancılık Bakanlığı, Mikrobiyal Gübre Çalıştayı. 23-24 Ekim 2014, Ilgaz Dağı Biyolojik Çeşitlilik ve Doğal Kaynaklar Araştırma ve Eğitim Merkezi, Kastamonu, Türkiye., Attendee, Kastamonu, Turkey, 2014

Veysel Turan, Serdar Bilen, 2014. Influence of plant exudates, essential oils and or some different bacteria solution on the productivity of *P. vulgaris* and soil microbial community. 9th Int. Soil Science Congress on "The Soul of Soil and Civilization, October 14-16, Side, Antalya / Turkey., Attendee, Antalya, Turkey, 2014

TOVAG Bilimsel Araştırma Projeleri Panelist, Panelists, Ankara, Turkey, 2014

Serdar Bilen, Raj Shrestha, Pierre Andree Jacinthe, Warren Albert Dick, Rattan Lal, 2013. 'Environmental Impacts of No-Till and Cultivation Practices on Greenhouse Gas Emissions.' 1st Central Asia Congress on Modern Agricultural Techniques and Plant Nutrition. Kyrgyz-Turkish Manas University (KTMU), Cengiz Aytmatov Campus, 01- 03 October 2013, Bishkek, Kyrgyzstan., Attendee, Bishkek, Kyrgyzstan, 2013

Pierre-Andre Jacinthe, Warren Dick, Raj Shrestha, Rattan Lal, Serdar Bilen, Toru Nakajima, 2012. The Carbon Balance of No-till Agroecosystems. A Chronosequence Analysis. Vision for a Sustainable Planet. ASA, CSSA, & SSSA International Annual Meetings, October 21-24, Cincinnati, Ohio., Attendee, Ohio, United States Of America, 2012

Liming Chen, Brittany Campbell, Serdar Bilen, Toru Nakajima, Raj Shrestha, Joshua Kendall, Manli Wu, Yongqiang Tian, Pierre A. Jacinthe, Rattan Lal, and Warren Dick. 2012. Tillage and Rotation Impacts on Greenhouse Gas Fluxes in Ohio, USA. The Third International Conference on C Sequestration and Climate Change Mitigation in Agriculture. Session 3,

Carbon and Nitrogen Interactions in Soil. July 21-24. Convention Center, Beijing-China., Attendee, Beijing, China, 2012

Bilen, S., Shrestha, R., Jacinthe, P.A., Dick, W. A., Lal, R., 2012. Greenhouse Gas Budgets After 46 years of Continuous Application of Various Tillage Practices. The 8th Int. Soil Science Congress on "Land Degredation and Challenges in Sustainable Soil Management. 15-17 May, Cesme-İzmir-Turkey, Attendee, İzmir, Turkey, 2012

Pierre-Andre Jacinthe, Warren Dick and Rattan Lal, Raj Shrestha, Serdar Bilen, 2011. Greenhouse gases emission and carbon sequestration in agro-ecosystems under long-term no-till: implications for global warming mitigation. AGU Fall Meeting (American Geophysical Union), 5-9 December, San Fransisco, CA., Attendee, California, United States Of America, 2011

Shrestha, R., Jacinthe, P. A., Bilen, S., Jagadamma, S., Dick, W. A., Lal, R., 2010. Nitrogen Dynamics and Greenhouse Gas Emissions in a No-till Chronosequence. ASA, CSSA and SSSA Int. Annual Meetings. Oct 31- Nov 4, Long Beach, CA., Attendee, California, United States Of America, 2010

Bilen, S., Jagadamma, S., Jacinthe, P.A., Shrestha, R., Dick, W. A., 2010. Greenhouse Gas Fluxes in A Tillage Chronosequence. ASA, CSSA and SSSA International Annual Meetings. Oct 31- Nov 4, Long Beach, CA., Attendee, California, United States Of America, 2010

Turgay, O.C., Arzu Ala Görmez, Serdar Bilen. 2010. Isolation and Characterization of Metal Tolerant BRB from Serpentine and Mine Soils in Turkey. International Soil Science Congress on Management of Natural Resources to Sustain Soil Health and Quality Ondokuz Mayıs University, Samsun, Turkey, May 26-28, 2010, Abstract book, 151., Attendee, Samsun, Turkey, 2010

Bilen, S., Jagadamma, S., Dick, W. A., 2009. Greenhouse Gas Budget in a Widespread Tillage Chronosequence. 4th Annual International Scholar Research Exposition. The Ohio State University, Nov 2-Dec 31., Attendee, Ohio, United States Of America, 2009

Serdar Bilen, Leyla Okyay Kaya., 2017. Sulardaki Toprak Kirletici Maddelerin Tarım Toprakları Üzerine Etkileri. "1. International Organic Agriculture and Biodiversity Symposium 27-29 September 2017 Bayburt", Attendee, Bayburt, Turkey, 2007

Can Turgay, O., Erdogan, E.E., Bilen, S. and Karaca, A., 2007. Evaluation of Soil Enzyme Activities and Biochemical Index for Monitoring the Impacts of Humic Substances Induced Biostimulation on Hydrocarbon Degradation in a Crude Oil Contaminated Soil The 3rd Int. Conference. Enzymes in the Environment 15-19 July, Viterbo/ITALY, Proceed. P:95. No.902, Attendee, Italy, 2007

Bilen, S., Can Turgay, O., 2006. The Effects of Cement Dust Pollution on The Microbial Prooerties of Agricultural Lans. 18 th International Soil Meeting (ISM) on "Soil Sustaining Life on Earth, Managing Soil and Technology". Proceodings Volume I. May 22-26, p: 824-830, Sanliurfa, Turkey., Attendee, Şanlıurfa, Turkey, 2006

Bilen, S., Kiziloglu Algan, F. T., 2005. Farklı Yaşlardaki Değişik Rhizobium Kültürleri İle Aşılamanın Ve Çeşitli Dozlardaki Azotlu Mineral Gübrelemenin Mercimek (*Lens Culunaris*) Bitkisinin Simbiyotik Özellikleri Üzerine Etkileri. GAP IV. Tarım Kongresi, 21-23 Eylül. Ş. Urfa., Attendee, Şanlıurfa, Turkey, 2005

Kilic, E., Turan, M., Bilen, S., Sahin, F., 2004. Farklı Azotlu Gübre Kaynaklarının Kuru Fasulye (*Phaseolus vulgaris*) Bitkisinin Verim ve Verim Unsurları Üzerine Etkileri. 3. Ulusal Gübre Kongresi, Tarım Sanayi Çevre. 11-13 Ekim, Biyogübreler, s: 953-958., Attendee, Tokat, Turkey, 2004

Kiziloglu Algan, F. T, Bilen, S, 2004. Topraktan ve Yapraktan Uygulanan Azotlu Gübrelemenin ve Azotobacter sp. İzolati İle Aşılamanın Buğday Bitkisinin Kuru Madde Miktarı ve Toplam Azot İçeriği Üzerine Etkisi. 3. Ulusal Gübre Kongresi, Tarım Sanayi Çevre. 11-13 Ekim, Biyogübreler, s: 945-952. Tokat, Attendee, Çorum, Turkey, 2004

Dumlupinar, R., Bilen, S., Erdal, S, 2004. Effects Of Some Plant Growth Regulators on Macro Element Contents (Ca, Mg And K) of Bean Plant (*Phaseolus Vulgaris* L. Cv Terzibaba 1998) At Chilling Temperatures. International Soil Congress (ISC) on "Natural Resource Management for Sustainable Development" June 7-10, M.6., s:33-42, Erzurum-Turkey., Attendee, Turkey, 2004

Kiziloglu, F. T., Bilen, S, 2004. Effects of Inoculation With Single And Mixed Culture Isolates on Dry Matter, Nitrogen, Nodule Number And Nodule Nitrogen Contents of Beans (*Phaseolus Vulgaris*). International Soil Congress (ISC) on "Natural Resource Management for Sustainable Development" June 7-10, H.1, s: 1-9, Erzurum-Turkey, Attendee, Erzurum, Turkey, 2004

Kilic, E., Bilen, S., Turan, M., Sahin, F, 2004. Effects Of Organic And Chemical Fertilizers on Yield And Yield Parameters of Bean (*Phaseolus Vulgaris*) International Soil Congress (ISC) on "Natural Resource Management for Sustainable Development" June 7-10, H.5, s: 32-38, Erzurum-Turkey, Attendee, Turkey, 2004

- Bilen, S., Ataoğlu, N., Kızıloğlu, F. T., 2002. Effects of Inoculation with Rhizobium Isolates and Different Dozes of Magnesium Fertilizer on Dry Matter, NO<sub>3</sub>-N and Total Nitrogen Contents of Beans (*Phaseolus Vulgaris*). International Conference on Sustainable Land Use and Management. 10-13 June 2002. Çanakkale-Turkey/, Attendee, Çanakkale, Turkey, 2002
- Karadoğan, T., Bilen, S., Çarkçı, K., 1999. Değişik Azot Kaynaklarının Farklı Zamanlarda Uygulanmasının Patates Yumrusunun Besin Elementi İçeriğine Etkisi. Atatürk Üniversitesi, Ziraat Fakültesi, II. Ulusal Patates Kongresi, 28-30 Haziran. s: 390-401, Erzurum, Attendee, Erzurum, Turkey, 1999
- Karadoğan, T., Bilen, S., 1999. Azot ve Fosforun Uygulama Şekli ve Miktarının Patates Yumrusunun Besin Elementi İçeriği ile Birim Alandan Kaldırılan Besin Maddesi Miktarına Etkisi. Atatürk Üniversitesi, Ziraat Fakültesi, II. Ulusal Patates Kongresi, 28-30 Haziran. s: 384-389, Erzurum, Attendee, Erzurum, Turkey, 1999
- Kızıloğlu, F.T., Ataoğlu, N., Bilen, S. 1998. Azotlu Gübrelemenin ve mikrobiyal gübrelemenin bazı toprak özellikleri ile inorganik azot miktarına etkisi 5. Ulusal Nükleer Tarım ve Hayvancılık Kongresi 20-22 Ekim Selçuk Üniv. Konya, s:17-23., Attendee, Konya, Turkey, 1998
- Kızıloğlu, F.T., Bilen, S. Ataoğlu, N., 1998. Effect of microbial inoculation and chemical fertilizer on protein, carbohydrate and shoot/root dry matter ratio of corn (*Zea mays L.*) plant. M. Şefik Yeşilsoy International Symposium On Arid Region Soils. Organized by Soil Science Society of Turkey, General Directorate of Rural Services, Çukurova University and held under the aegis of the International Society of Soil Science. 21-24 September, Menemen, İzmir, Turkey, p:236-243., Attendee, İzmir, Turkey, 1998
- Kızıloğlu, F.T., Bilen, S., Ataoğlu, N., 1998. Çeşitli Mısır bitkilerinin kök, gövde ve yaprak kuru madde miktarları ve NO<sub>3</sub> azotu içeriği üzerine *Azotobacter chroococcum* kültürleri ile aşılamanın ve azotlu kimyasal gübrelemenin etkisi. Doğu Anadolu Tarım Kongresi 14-18 Eylül Bildiri Kitabı, Erzurum,s:1326-1337., Attendee, Erzurum, Turkey, 1998
- Bilen, S., Sezen, Y., 1995. Topraklara Uygulanan Farklı Konsantrasyonlardaki Değişik Tuzların Birbirleri Üzerine Tamamlayıcı İyon Etkileri. İlhan Akalan Toprak ve Çevre Sempozyumu, TÜBİTAK, Cilt 1, s: A-36. Yayın No: 7, Ankara., Attendee, Ankara, Turkey, 1995

## Citations

Total Citations (WOS):304

h-index (WOS):7

## Research Areas

Agricultural Sciences, Agriculture, Soil and Plant Feed, Soil Biology, Soil Fertility, Acidity, Alkanility

## Refereeing Duties

Fakülteler arası spor müsabakaları-Organized Competitions, 2022

Fakülteler arası spor müsabakaları-Organized Competitions, 2021

## Representation and Promotion Activities

Institutional Representation, Tarım Bakanlığı, Turkey, Erzurum, 2014 - 2022

## Non Academic Experience

Club, Atatürk Üniversitesi, Ziraat Fakültesi

Club, Atatürk Üniversitesi, Ziraat Fakültesi

