

## Prof. OĞUZ CAN TURGAY



### Personal Information

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### International Researcher IDs

ScholarID: H\_IATsUAAAAJ

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Publons / Web Of Science ResearcherID: AGR-5610-2022

ScopusID: 6505986806

Yoksis Researcher ID: 36465

### Education Information

Doctorate, Niigata University, Faculty of Agriculture, Soil Science Laboratory, Japan 1998  
- 2002

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Department of Soil Science and  
Plant Nutrition , Turkey 1994 - 1997

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

### Foreign Languages

Japanese, B2 Upper Intermediate

English, C1 Advanced

### Dissertations

Doctorate, Impacts of Soil Management and Land-Use Changes on Microbial Biomass, Niigata University, Agriculture  
Faculty, Soil Science Laboratory, 2002

Postgraduate, An investigation on soil microbial biomass of the soils of Kenan Evren Research and Application Farm,  
Ankara University, Ankara University, Fen Bilimleri Enstitüsü, Toprak Bilimi Ve Bitki Besleme (YI) (Tezli), 1997

### Research Areas

Agricultural Sciences, Agriculture, Soil and Plant Feed, Soil Biology

### Academic Titles / Tasks

Professor, Ankara University, Ziraat Fakültesi, Toprak Bilimi ve Bitki Besleme Bölümü, 2018 - Continues  
Associate Professor, Ankara University, Ziraat Fakültesi, Toprak Bilimi ve Bitki Besleme Bölümü, 2012 - 2018  
Assistant Professor, Ankara University, Ziraat Fakültesi, Toprak Bilimi ve Bitki Besleme Bölümü, 2010 - 2011  
Lecturer PhD, Ankara University, Ziraat Fakültesi, Toprak Bilimi ve Bitki Besleme Bölümü, 2003 - 2010  
Research Assistant, Ankara University, Ziraat Fakültesi, Toprak Bilimi ve Bitki Besleme Bölümü, 1995 - 1998

## Academic and Administrative Experience

Erasmus Coordinator, Ankara University, 2013 - Continues  
Deputy Head of Department, Ankara University, 2016 - 2022

## Courses

Toprak Sorunlarına Giriş, Postgraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015  
Toprak Bilimi (ZTO202), Undergraduate, 2016 - 2017  
İleri Toprak Biyolojisi, Postgraduate, 2016 - 2017, 2015 - 2016  
Çevre Kirliliği (ZTO 305), Undergraduate, 2016 - 2017  
Toprak Kirliliği, Doctorate, 2015 - 2016, 2013 - 2014  
Toprak Bilgisi, Undergraduate, 2015 - 2016, 2013 - 2014  
Toprak İyileştirme Yöntemleri, Undergraduate, 2015 - 2016  
Çevre Kirliliği, Undergraduate, 2015 - 2016, 2013 - 2014  
Soil Biology, Undergraduate, 2014 - 2015  
Toprak Kirliliği, Postgraduate, 2013 - 2014  
Toprak Biyolojisi, Undergraduate, 2012 - 2013

## Advising Theses

TURGAY O. C., Farklı yöntemlerle elde edilen Biyokömürlerin toprak özellikleri ve buğday verimine etkilerinin karşılaştırılması, Doctorate, O.JAFARI(Student), 2020  
TURGAY O. C., Isolation of plant growth promoting rhizobacteria from halophytic Salsola grandis and experimentation their potential use as a biofertilizer, Postgraduate, D.BOZDOĞAN(Student), 2019  
TURGAY O. C., Evaluation of the effects of different biochars and hydrochars, obtained from various organic wastes on soil bacterial diversity under maize growth in greenhouse conditions, Postgraduate, B.SEVİLİR(Student), 2019  
TURGAY O. C., Buğday yetiştirilen koşullarda farklı mikroalg inokülasyonlarının toprağın mikrobiyal karbon, azot ve fosfor bağlanmasına katkısı, A.MAHMOOD(Student), 2016  
TURGAY O. C., Buğday yetiştirilen koşullarda farklı mikroalg nokülasyonlarının toprağın mikrobiyal karbon, azot ve fosfor bağlanmasına katkısı, Postgraduate, A.MAHMOOD(Student), 2016  
TURGAY O. C., Akdeniz bölgesi koşullarında uzun süreli organik-inorganik gübreleme uygulamalarının toprak mikrobiyal biyokütlesi üzerine etkisi, Postgraduate, P.SALEHI(Student), 2015

## Jury Memberships

Doctoral Examination, Doctoral Examination, Ankara Üniversitesi, January, 2022  
Doctorate, Doctorate, Ankara Üniversitesi, January, 2022  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Ankara Üniversitesi, December, 2015  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Ankara Üniversitesi, October, 2014

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

- I. **An evaluation on microplastic accumulations in Turkish soils under different land uses**  
AKÇA M. O., GÜNDOĞDU S., AKÇA H., Delialioğlu R. A., Aksit C., TURGAY O. C., Harada N.  
Science of the Total Environment, vol.911, 2024 (SCI-Expanded)
- II. **Micro and nano plastics in groundwater systems: A review of current knowledge and future perspectives**  
GÜNDOĞDU S., Mihai F., Fischer E. K., Blettler M. C., TURGAY O. C., AKÇA M. O., Aydoğan B., AYAT AYDOĞAN B.  
TrAC - Trends in Analytical Chemistry, vol.165, 2023 (SCI-Expanded)
- III. **The short-term effects of pyro-and hydrochars derived from different organic wastes on some soil properties**  
Jafari Tarf O., Akça M. O., Donar Y. O., Bilge S., Turgay O. C., Sınağ A.  
BIOMASS CONVERSION AND BIOREFINERY, vol.12, no.1, pp.129-139, 2022 (SCI-Expanded)
- IV. **Metabolomics analyses reveal metabolites affected by plant growth-promoting endophytic bacteria in roots of the halophyte mesembryanthemum crystallinum**  
Kataoka R., Akashi M., Taniguchi T., Kinose Y., YAPRAK A. E., TURGAY O. C.  
International Journal of Molecular Sciences, vol.22, no.21, 2021 (SCI-Expanded)
- V. **Soil properties have more significant effects on the community composition of protists than the rhizosphere effect of rice plants in alkaline paddy field soils**  
Asiloglu R., Shiroishi K., Suzuki K., TURGAY O. C., Harada N.  
SOIL BIOLOGY & BIOCHEMISTRY, vol.161, 2021 (SCI-Expanded)
- VI. **Effect of protists on rhizobacterial community composition and rice plant growth in a biochar amended soil**  
Asiloglu R., Sevilir B., Samuel S. O., Aycan M., AKÇA M. O., Suzuki K., Murase J., TURGAY O. C., Harada N.  
BIOLOGY AND FERTILITY OF SOILS, vol.57, no.2, pp.293-304, 2021 (SCI-Expanded)
- VII. **Biochar affects taxonomic and functional community composition of protists**  
Asiloglu R., Samuel S. O., Sevilir B., AKÇA M. O., Bozkurt P., Suzuki K., Murase J., TURGAY O. C., Harada N.  
Biology and Fertility of Soils, vol.57, no.1, pp.15-29, 2021 (SCI-Expanded)
- VIII. **Protist-enhanced survival of a plant growth promoting rhizobacteria, Azospirillum sp. B510, and the growth of rice ( Oryza sativa L.) plants**  
Asiloglu R., Shiroishi K., Suzuki K., TURGAY O. C., Murase J., Harada N.  
APPLIED SOIL ECOLOGY, vol.154, 2020 (SCI-Expanded)
- IX. **The composition characteristics of arbuscular mycorrhizal fungal communities associated with barley in saline-alkaline soils in Central Anatolia**  
Kaidzu T., Suzuki K., Sugiyama H., AKÇA M. O., ERGÜL A., TURGAY O. C., Nonaka M., Harada N.  
SOIL SCIENCE AND PLANT NUTRITION, vol.66, no.2, pp.268-274, 2020 (SCI-Expanded)
- X. **High salt tolerant plant growth promoting rhizobacteria from the common ice-plant Mesembryanthemum crystallinum L**  
Mahmood A., Amaya R., TURGAY O. C., YAPRAK A. E., Taniguchi T., Kataoka R.  
RHIZOSPHERE, vol.9, pp.10-17, 2019 (SCI-Expanded)
- XI. **Profiling of proteasome activity in Alyssum species on serpentine soils in Turkey reveals possible insight into nickel tolerance and accumulation**  
Van Hoewyk D., Taşkın M. B., Yaprak A. E., Turgay O. C., Ergül A.  
PLANT PHYSIOLOGY AND BIOCHEMISTRY, vol.124, pp.184-189, 2018 (SCI-Expanded)
- XII. **Seed biopriming with plant growth promoting rhizobacteria: a review**  
Mahmood A., TURGAY O. C., Farooq M., Hayat R.  
FEMS MICROBIOLOGY ECOLOGY, vol.92, no.8, 2016 (SCI-Expanded)
- XIII. **4,4'-DDE and Endosulfan Levels in Agricultural Soils of the Cukurova Region, Mediterranean Turkey**  
AKÇA M. O., Hisatomi S., Takemura M., Harada N., Nonaka M., Sakakibara F., Takagi K., TURGAY O. C.  
BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.96, no.3, pp.376-382, 2016 (SCI-Expanded)

- XIV. **Arbuscular mycorrhizal fungal community of wheat under long-term mineral and organic amendments in semi-arid Mediterranean Turkey**  
Buto T., Suzuki K., Kaidzu T., Narisawa T., TURGAY O. C., ORTAŞ İ., Harada N., Nonaka M.  
ARID LAND RESEARCH AND MANAGEMENT, vol.30, no.4, pp.479-489, 2016 (SCI-Expanded)
- XV. **Changes in Soil Ergosterol Content, Glomalin-Related Soil Protein, and Phospholipid Fatty Acid Profile as Affected by Long-Term Organic and Chemical Fertilization Practices in Mediterranean Turkey**  
TURGAY O. C., Buchan D., Moeskops B., De Gusseme B., ORTAŞ İ., De Neve S.  
ARID LAND RESEARCH AND MANAGEMENT, vol.29, no.2, pp.180-198, 2015 (SCI-Expanded)
- XVI. **Molecular diversity of indigenous arbuscular mycorrhizal fungi in three different agricultural regions of Turkey**  
Suzuki K., TURGAY O. C., AKÇA M. O., Harada N., Nonaka M.  
SOIL SCIENCE AND PLANT NUTRITION, vol.60, no.3, pp.367-376, 2014 (SCI-Expanded)
- XVII. **Isolation and characterization of metal resistant-tolerant rhizosphere bacteria from the serpentine soils in Turkey**  
TURGAY O. C., Görmez A., BİLEN S.  
Environmental Monitoring and Assessment, vol.184, no.1, pp.515-526, 2012 (SCI-Expanded)
- XVIII. **Effect of humic deposit (leonardite) on degradation of semi-volatile and heavy hydrocarbons and soil quality in crude-oil-contaminated soil**  
TURGAY O. C., Erdogan E. E., Karaca A.  
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.170, no.1-4, pp.45-58, 2010 (SCI-Expanded)
- XIX. **Effects of a humic deposit (gyttja) on soil chemical and microbiological properties and heavy metal availability**  
Karaca A., Turgay O. C., Tamer N.  
BIOLOGY AND FERTILITY OF SOILS, vol.42, no.6, pp.585-592, 2006 (SCI-Expanded)
- XX. **Effects of land-use and management practices on soil ergosterol content in andosols**  
Turgay O. C., Nonaka M.  
SOIL SCIENCE AND PLANT NUTRITION, vol.48, no.5, pp.693-699, 2002 (SCI-Expanded)
- XXI. **Effect of land degradation on soil microbial biomass in a hilly area of south Sumatra, Indonesia**  
Turgay O. C., Lumbanraja J., Yusnaini S., Nonaka M.  
SOIL SCIENCE AND PLANT NUTRITION, vol.48, no.5, pp.769-774, 2002 (SCI-Expanded)
- XXII. **Effect of difference in fumigation period on the accumulation of ninhydrin-reactive compounds in Japanese andosols**  
Can T., Nonaka M.  
SOIL SCIENCE AND PLANT NUTRITION, vol.48, no.2, pp.279-282, 2002 (SCI-Expanded)

### Articles Published in Other Journals

- I. **TARIMDA PLASTİK KULLANIMINA (PLASTİKÜLTÜR) BAĞLI TOPRAKTA MİKROPLASTİK BİRİKİMİ VE KİRLİLİĞİ**  
AKÇA M. O., TURGAY O. C., NAMLI A.  
Tarım ve Mühendislik, pp.12-19, 2023 (Non Peer-Reviewed Journal)
- II. **ÇİLEK ÜRETİMİNDE PLASTİK MALÇ UYGULAMASINDAN KAYNAKLI TOPRAKTA PLASTİK BİRİKİMİNİN BELİRLENMESİ**  
AKÇA M. O., GÜNDOĞDU S., TURGAY O. C.  
Toprak Bilimi ve Bitki Besleme Dergisi, vol.10, no.2, pp.165-176, 2022 (Peer-Reviewed Journal)
- III. **Sodium-resistant plant growth-promoting rhizobacteria isolated from a halophyte, *Salsola grandis*, in saline-alkaline soils of Turkey**  
KATAOKA R., GÜNERİ E., TURGAY O. C., YAPRAK A. E., SEVİLİR B., BAŞKÖSE İ.  
EURASIAN JOURNAL OF SOIL SCIENCE (EJSS), vol.6, no.3, pp.216, 2017 (Peer-Reviewed Journal)

#### IV. Toprak Kirliliği

NAMLI A., TURGAY O. C.

Toprak Bilimi ve Bitki Besleme Dergisi, vol.1, no.1, pp.13-19, 2012 (Peer-Reviewed Journal)

### Books & Book Chapters

- I. **Alternative strategies to synthetic chemical fertilizers: revitalization of soil quality for sustainable agriculture using organic-based approaches**  
Asghar W., Akça M. O., Akça H., Tarf O. J., Kataoka R., Turgay O. C.  
in: New and Future Developments in Microbial Biotechnology and Bioengineering, Harikesh Singh, Anukool Vaishnav, Editor, Elsevier Science, Oxford/Amsterdam, Amsterdam, pp.1-30, 2022
- II. **Use of Synthetic Ecology Approach in Exploring Plant-Microbial Interactions Under Habitat-Imposed Stresses**  
Mahmood A., Bardak H., Bozdoğan D., Yamaguchi T., Hamed A., Kataoka R., Turgay O. C.  
in: Plant Stress Mitigators, Anukool Vaishnav, D K Choudhary, S S Arya, Editor, Elsevier Science, Oxford/Amsterdam, Singapore, pp.387-417, 2022
- III. **Alternative strategies to synthetic chemical fertilizers: revitalization of soil quality for sustainable agriculture using organic-based approaches**  
Asghar W., AKÇA M. O., AKÇA H., Tarf O. J., Kataoka R., TURGAY O. C.  
in: New and Future Developments in Microbial Biotechnology and Bioengineering, A. VAİSHNAV & H. B. SİNGH, Editor, Elsevier, pp.1-30, 2022
- IV. **Japonya'nın Tarımsal İstihdam Yapısındaki Değişimi ve Tarımın Sürdürülebilirliği Açısından Bir Değerlendirme**  
Karahana M., TURGAY O. C.  
in: Japonya Çalışmaları-I, A. Merthan Dünder, Editor, Ankara Üniversitesi, Ankara, pp.87-95, 2021
- V. **JAPONYA'DA KIRSALIN VE TARIMIN GENEL GÖRÜNÜMÜ**  
Akkaya M. A., TURGAY O. C.  
in: Japonya Çalışmaları-I, A. Merthan Dünder, Editor, Ankara Üniversitesi, Ankara, pp.97-111, 2021
- VI. **Geçmişten Günümüze Tayland Tarımı**  
Beder S., TURGAY O. C.  
in: Türkiye'de Tayland Çalışmaları, A Merthan Dünder, Ekrem Saltık, Editor, Ankara Üniversitesi, Ankara, pp.279-294, 2021
- VII. **Halophytic Microbiome in Ameliorating the Stress**  
Mahmood A., Kataoka R., TURGAY O. C., YAPRAK A. E.  
in: Ecophysiology, Abiotic Stress Responses and Utilization of Halophytes, Mirza Hasanuzzaman, Kamrun Nahar, Münir Öztürk, Editor, Springer, Singapore, pp.171-194, 2019
- VIII. **Toprak Kirliliği ve Yönetimi**  
NAMLI A., TURGAY O. C., KIZILKAYA R.  
in: Toprak Amenajmanı, Sabit Erşahin, Taşkın Öztaş, Ayten Namlı, Gülay Karahan, Editor, Gazi, pp.327-367, 2015
- IX. **Earthworm Interactions with Soil Enzymes**  
KIZILKAYA R., Karaca A., TURGAY O. C., CAMCI ÇETİN S.  
in: Soil Biology Series Biology of Earthworms, Ayten Karaca, Editor, Springer, Berlin, pp.213-238, 2011
- X. **Detoxification of Heavy Metals Using Earthworms**  
TURGAY O. C., KIZILKAYA R., Karaca A., CAMCI ÇETİN S.  
in: Detoxification of Heavy Metals Soil Biology, Irena Sherameti; Ajit Varma, Editor, Springer, Berlin, pp.407-421, 2011
- XI. **Role of plant growth promoting bacteria and fungi in heavy metal detoxification**  
CAMCI ÇETİN S., Karaca A., KIZILKAYA R., TURGAY O. C.  
in: Detoxification of Heavy Metals Soil Biology, Irena Sherameti; Ajit Varma, Editor, Springer-Verlag Berlin Heidelberg, Berlin, pp.369-388, 2011

- XII. **Soil enzymes as indication of soil quality**  
Ayten K., CAMCI ÇETİN S., TURGAY O. C., KIZILKAYA R.  
in: Soil Enzymology Soil Biology, Girish Shukla, Ajit Varma, Editor, Springer, Berlin, pp.119-148, 2011
- XIII. **Effects of Heavy Metals on Soil Enzyme Activities**  
Karaca A., CAMCI ÇETİN S., TURGAY O. C., KIZILKAYA R.  
in: Soil Biology Soil Heavy Metals, Irena Sherameti; Ajit Varma, Editor, Springer, Berlin, pp.237-262, 2010
- XIV. **Effects of earthworms on the availability and removal of heavy metals in soil**  
Karaca A., KIZILKAYA R., TURGAY O. C., CAMCI ÇETİN S.  
in: Soil Biology Soil Heavy Metals, Irena Sherameti; Ajit Varma, Editor, Springer, Berlin, pp.269-388, 2010

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Microplastic Contamination on Turkish Arable Land due to Sewage Sludge Application**  
CÖMERT S. M., AKÇA M. O., TURGAY O. C., SUZUKI K., HARADA N.  
KAAB International Symposium 2023 "Frontiers in Ecologically Friendly Crop Production", Niigata, Japan, 27 March 2023
- II. **Influence of acoustic cavitation on selected chemical properties of leonardite and biochar**  
AKÇA M. O., ACAR BOZKURT P., TAŞKIN M. B., AKÇA H., TURGAY O. C.  
4TH INTERNATIONAL EURASIAN CONFERENCE ON SCIENCE, ENGINEERING AND TECHNOLOGY (EURASIANSCIENTECH 2022), Ankara, Turkey, 16 December 2022
- III. **Soil properties have more significant effects on the community composition of protists than the rhizosphere effect of rice plants in alkaline paddy field soils**  
Asiloglu R., Shiroishi K., Kazuki S., TURGAY O. C., Harada N.  
Uluslararası kongre, Samsun, Turkey, 18 December 2021, pp.9
- IV. **The Effect of Acoustic Cavitation on Some Chemical Properties of Vermicompost**  
AKÇA M. O., ACAR BOZKURT P., TAŞKIN M. B., MERT H., TURGAY O. C.  
3RD INTERNATIONAL EURASIAN CONFERENCE ON SCIENCE, ENGINEERING AND TECHNOLOGY (EURASIANSCIENTECH 2021), Ankara, Turkey, 16 December 2021
- V. **Development of A Biofertilizer for Tea Agriculture by Using Different Organic Materials and Bacteria Isolated from Tea Soils**  
NAMLI A., Kutlu E., TABAN S., TURGAY O. C., ÇAKMAKÇI R., Erduran E.  
Industrial Biotechnology 2020., 17 - 18 February 2020
- VI. **Toprak kirliliğinin nedenleri, etkileri ve giderilme yöntemleri**  
NAMLI A., OKUR N., KIZILKAYA R., TURGAY O. C., GÖÇMEZ S., Kalınbacak K., KAYIKÇIOĞLU H. H., Özden N., Akmehmet Balcıoğlu I.  
Türkiye Ziraat Mühendisliği IX. Teknik Kongresi, Turkey, 13 - 17 January 2020
- VII. **A Comparison of the Effects of Hydrothermal and Pyrolytic Biochars on Selected Soil Physical, Chemical and Biological Characteristics**  
Jafari Tarf O., AKÇA M. O., TURGAY O. C., SINAĞ A., DONAR Y. O.  
6th Congress on Soil Water Resources with International Participation, İzmir, Turkey, 12 - 14 November 2019
- VIII. **How Agricultural Sector can Contribute to Land Degradation Neutrality in Pakistan Perspective of Farmers' Participation and Integrated Land Use**  
NAMLI A., TURGAY O. C., mahmood a., hamed a., Kataoka R.  
10th International Soil Congress 2019 Successful Transformation toward Land Degradation Neutrality: Future Perspective, Ankara, Turkey, 17 - 19 June 2019, vol.1, pp.1-58
- IX. **Effects of Hydrochars Obtained from Different Organic Wastes on Soil Enzyme Activities**  
Ommolbanin J. T., AKÇA M. O., DONAR Y. O., TURGAY O. C., SINAĞ A.  
Ecology 2018, Kastamonu, Turkey, 19 - 23 June 2018
- X. **Effects of Different Carbonization Processes on Pyrochars and Hydrochars Characteristics**  
TARF O. J., AKÇA M. O., DONAR Y. O., TURGAY O. C., SINAĞ A.

International Agricultural Science Congress, 9 - 12 May 2018

- XI. **Farklı karbonizasyon uygulamaları ile elde edilen biyokömürve hidrokömürlerin bazı toprak özellikleri üzerine etkileri**  
Ommolbanin Jafari T., AKÇA M. O., TURGAY O. C., SINAĞ A., DONAR Y. O.  
V. Uluslararası Katılımlı Toprak ve Su Kaynakları Kongresi, Kırklareli, Turkey, 12 - 15 September 2017
- XII. **İzmir-Menemen karayolu kenarında yetiştirilen Bakla (*Vicia faba* L.) örneklerinde Ni, Cd, Cr, Cu, Fe, Mn, Pb, Zn miktarlarının araştırılması**  
Özbek K., TURGAY O. C., TAŞKIN T., AYSAR N., DENİZ D.  
Beşinci Uluslararası Katılımlı Ulusal Toprak ve Su Kaynakları Kongresi, 12 - 15 September 2017
- XIII. **İzmir-Manisa demiryolu kenarında yetiştirilen *Vicia faba* L. örneklerinde Ni, Cd, Cr, Cu, Fe, Mn, Pb, Zn miktarlarının araştırılması**  
Özbek K., TURGAY O. C., TAŞKIN T., AYSAR N., DENİZ D.  
Beşinci Uluslararası Katılımlı Toprak ve Su Kaynakları Kongresi, Kırklareli, Turkey, 12 - 15 September 2017
- XIV. **Çukurova Bölgesi Tarım Topraklarının 4 4 DDE dichlorodiphenyldichloroethylene ve Endosülfan Sülfat Miktarları**  
AKÇA M. O., SHIHOKO H., MANAMI T., NAOKI H., NONAKA M., FUTA S., KAZUHIRO T., TURGAY O. C.  
4. Uluslararası Katılımlı Toprak ve Su Kaynakları Kongresi, Turkey, 1 - 04 September 2015
- XV. **Surface fire effects on soil microbial properties in a Mediterranean (*Pinus brutia*) area**  
KAPTANOĞLU BERBER A., NAMLI A., TAVŞANOĞLU Ç., TURGAY O. C.  
5th International Conference of Fire Effects on Soil Properties, 14 - 17 July 2015
- XVI. **Influence of increasing soil salinity on diversity of arbuscular mycorrhizal fungi colonising winter barley**  
KAZUKİ S., TURGAY O. C., AKÇA M. O., TEMİZ Ç., ERGÜL A., HARADA N., NONAKA M.  
First Global Biodiversity Conference-Assesing soil biodiversity and its role for ecosystem services, Dijon, France, 2 - 05 December 2014
- XVII. **Arbuscular mycorrhizal fungal diversity associated with tea plant (*Camelia sinensis*) roots under inorganic and organic fertilization in acidic soil in the East Black Sea region of Turkey**  
KAZUKİ S., TURGAY O. C., AKÇA M. O., ERGÜL A., HARADA N., NONAKA M.  
20th World Congress of Soil Science, Korea, Jeju Island, South Korea, 8 - 13 June 2014
- XVIII. **TÜRKİYENİN FARKLI İKLİMSEL VE TARIMSAL KOŞULLARINDA ARBUSKÜLER MİKORİZAL MANTAR ÇEŞİTLİLİĞİNİN DNA DÜZEYİNDE BELİRLENMESİ**  
KAZUKİ S., TURGAY O. C., AKÇA M. O., HARADA N., NONAKA M.  
III. Ulusal Toprak ve Su Kaynakları Kongresi, Tokat, Turkey, 22 - 24 October 2013
- XIX. **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.**  
TURGAY O. C., ERDOĞAN E., NAMLI A., BİLEN S.  
the third international conference Viterbo/Italya, 15 - 19 July 2007

## Supported Projects

Namlı A., Turgay O. C., TUBITAK Project, Çay Atıklarından Elde Edilen Biyokömürün Mikrobiyel Taşıyıcı Olarak Çay Gelişimi ve Çay Topraklarının Kimyasal ve Biyolojik Özelliklerine Etkisi, 2018 - 2020

Taban S., Mola I., Çakmakçı R., Turgay O. C., Namlı A., TUBITAK Project, Çay Topraklarından İzole Edilen Bakteri ve Farklı Organik Materyaller ile Çay Tarımında Kullanılabilecek Biyolojik Gübre Geliştirilmesi, 2018 - 2020

Turgay O. C., Project Supported by Public Organizations in Other Countries, Global Framework of Student Capacity Development for Resilient Agriculture and Food Production (GLOCAL-AGE), 2015 - 2020

Akça M. O., Turgay O. C., Project Supported by Higher Education Institutions, Farklı Yöntemlerle Elde Edilen Biyokömürlerin Toprak Özellikleri ve Buğday verimine Etkilerinin Karşılaştırılması, 2016 - 2019

ERGÜL A., TAŞKIN M. B., TURGAY O. C., YAPRAK A. E., Project Supported by Higher Education Institutions, Nikel-hiperakümülatör Bitkilerde Ubikitin Protein Yolağı Mekanizmasının Rolü, 2015 - 2017

AKÇA M. O., TURGAY O. C., NAMLI A., Project Supported by Higher Education Institutions, Mikroalglerden biyolojik gübre geliştirilmesi, 2014 - 2016  
TURGAY O. C., Project Supported by Higher Education Institutions, Doğu Karadeniz Bölgesinde Çay Tarımı Yapılan Topraklarda Arbusküler Mikorizal Mantar Çeşitliliğinin DNA düzeyinde Belirlenmesi, 2013 - 2014  
TURGAY O. C., YAPRAK A. E., Project Supported by Higher Education Institutions, Türkiye Orta Anadolu Bölgesi Tuzlu-Alkali Toprak Koşullarında Yaşam Süren Arbusküler Mikorizal Mantar Çeşitliliğinin Belirlenmesi, 2012 - 2014  
TURGAY O. C., TUBITAK Project, Kimi Brassicacea Türlerinin Nikel ve Kadmiyum Biriktirme Özelliklerinin Belirlenmesi, 2006 - 2009

## **Memberships / Tasks in Scientific Organizations**

The Regional Soil Laboratory Network for Europe and Eurasia (EUROSOLAN) , Vice President, 2021 - Continues, Italy  
UNDP GEF SGP National Evaluation Committee for Non-governmental Organizations, Member of Science Committee, 2019 - Continues, Turkey  
Soil Science Society, Turkey , Board Member, 2015 - Continues, Turkey

## **Scientific Refereeing**

APPLIED SOIL ECOLOGY, SCI Journal, January 2022  
APPLIED SOIL ECOLOGY, SCI Journal, September 2021  
JOURNAL OF SOIL SCIENCE AND PLANT NUTRITION, SCI Journal, July 2021  
APPLIED SOIL ECOLOGY, SCI Journal, December 2020  
JOURNAL OF SOILS AND SEDIMENTS, SCI Journal, July 2018  
CHEMOSPHERE, SCI Journal, May 2018  
APPLIED SOIL ECOLOGY, SCI Journal, December 2017  
JOURNAL OF MOUNTAIN SCIENCE, SCI Journal, May 2017  
CHEMOSPHERE, SCI Journal, April 2017  
ECOLOGICAL INDICATORS, SCI Journal, June 2016  
CANADIAN JOURNAL OF SOIL SCIENCE, SCI Journal, February 2016

## **Metrics**

Publication: 64  
Citation (WoS): 390  
Citation (Scopus): 309  
H-Index (WoS): 10  
H-Index (Scopus): 11

## **Scholarships**

postdoc, Fulbright Program, 2010 - 2011  
Visiting scientist, Official Institutions of Foreign Countries, 2009 - 2009