

## Prof. Rıdvan Kızılkaya

### Personal Information

**Office Phone:** [+90 362 312 1919](tel:+903623121919) Extension: 1358

**Email:** [ridvank@omu.edu.tr](mailto:ridvank@omu.edu.tr)

**Web:** <https://avesis.omu.edu.tr/ridvank>

### International Researcher IDs

ScholarID: rkAXkIAAAAAJ

ORCID: 0000-0001-7475-9851

Publons / Web Of Science ResearcherID: AAY-1550-2020

ScopusID: 9038789000

Yoksis Researcher ID: 103846

### Education Information

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Toprak Bilimi Ve Bitki Besleme (Dr), Turkey 1995 - 1998

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Toprak Bilimi Ve Bitki Besleme (YI) (Tezli), Turkey 1994 - 1995

Undergraduate, Ege University, Ziraat Fakültesi, Toprak Bölümü, Turkey 1989 - 1993

### Dissertations

Doctorate, Samsun Azot Sanayi (TÜGSAŞ) ve Karadeniz Bakır İşletmeleri (KBİ) çevresindeki tarım topraklarında ağır metal birikiminin toprakların bazı biyolojik özellikleri üzerine etkisi, Ankara University, Fen Bilimleri Enstitüsü, Toprak Bilimi Ve Bitki Besleme (Dr), 1998

Postgraduate, Trifluralin'xxin nitrifikasyona etkisi, Ankara University, Fen Bilimleri Enstitüsü, Toprak Bilimi Ve Bitki Besleme (YI) (Tezli), 1995

### Research Areas

Agricultural Sciences, Agriculture, Soil Biology

### Academic Titles / Tasks

Professor, Ondokuz Mayıs University, Ziraat Fakültesi, Toprak Bilimi ve Bitki Besleme Bölümü, 2016 - Continues

Associate Professor, Ondokuz Mayıs University, Ziraat Fakültesi, Toprak Bilimi ve Bitki Besleme Bölümü, 2010 - 2016

Assistant Professor, Ondokuz Mayıs University, Ziraat Fakültesi, Toprak Bilimi ve Bitki Besleme Bölümü, 1999 - 2010

Research Assistant, Ondokuz Mayıs University, Ziraat Fakültesi, Toprak Bilimi ve Bitki Besleme Bölümü, 1995 - 1999

### Academic and Administrative Experience

Ondokuz Mayıs University, 2016 - 2019

## Courses

Toprak Mikrobiyolojisi ve Biyokimyası, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003

Toprak Mikrobiyolojisi, Postgraduate, 2015 - 2016, 2013 - 2014

Toprak Biyokimyası, Postgraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014

Mesleki Uygulama, Undergraduate, 2015 - 2016, 2014 - 2015

Toprak Biyolojisi, Undergraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003

Toprak Kirlenmesi, Postgraduate, 2014 - 2015

Toprak Mikrobiyolojisi, Postgraduate, 2014 - 2015

Analitik Kimya ve Instrümental Analiz, Undergraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013

Toprak Kirliliğinin Biyolojik Yöntemlerle iyileştirilmesi, Postgraduate, 2014 - 2015

Mikrobiyoloji, Undergraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003

Toprak Enzimleri, Postgraduate, 2014 - 2015

TOPRAK ENZİMLERİ, Doctorate, 2013 - 2014

ÇEVRE SORUNLARI VE KİRLİLİK KONTROLÜNDE MİKROBİYOLOJİK ETKENLER, Doctorate, 2013 - 2014

GENEL MİKROBİYOLOJİ, Undergraduate, 2012 - 2013, 2011 - 2012, 2010 - 2011

## Advising Theses

Kızılkaya R., The effects of hazelnut husk compost with *Bacillus megaterium* Var. *phosphaticum* on phosphorus dynamics of soil and wheat yield, Postgraduate, M.MAHFUZUR(Student), 2022

Kızılkaya R., Comparative study of ZnO nanoparticles foliar spray and biochar on spring barley growth in pahas contaminated soil, Postgraduate, H.HUSSEIN(Student), 2022

Kızılkaya R., Çay atığından kompost ve vermikompost eldesi ve tarımsal etkinliğinin belirlenmesi, Doctorate, S.RAKICIOĞLU(Student), 2022

Kızılkaya R., Biochar değişikliklerinin çeşitli şekillerinin uygulanmasıyla tesislerde metal stresinin (ZnO NPS) başa çıkarılması, Postgraduate, M.BELEN(Student), 2022

Kızılkaya R., Bioremediation of soils by using the metal-tolerant and pahas degrading bacteria isolated from the long-term chemically contaminated soil: Metagenomics assay and experimental modelling, Postgraduate, J.JOHAR(Student), 2022

Kızılkaya R., The effects of different particle sizes of biochar on soil biological properties and yield of wheat crop, Postgraduate, N.MAQBOOL(Student), 2022

Kızılkaya R., Vermikompost ve hümik asit uygulamalarının toprağın biyolojik özellikleri ve buğday verimine etkisi, Postgraduate, M.AKÇA(Student), 2021

Kızılkaya R., Farklı organik atıklardan elde edilen vermikompostun buğday verimi ve toprakların biyolojik özellikleri üzerine etkisi, Doctorate, T.TOPRAK(Student), 2021

Kızılkaya R., Farklı topoğrafik pozisyonlarda yer alan bazalt ana materyal üzerinde oluşmuş toprakların jeobiopedolojik özelliklerinin belirlenmesi, Doctorate, A.ERKOÇAK(Student), 2020

Kızılkaya R., Ordu ve giresun yöresindeki fındık bahçesi topraklarının biyolojik özellikleri ve bunların diğer toprak özellikleriyle ilişkileri, Postgraduate, A.AY(Student), 2019

Kızılkaya R., Domates üretim artıklarının mikrobiyolojik yöntemlerle kompostlanması ve üretilen kompostun tarımda kullanımı, Doctorate, M.DURMUŞ(Student), 2019

Kızılkaya R., Farklı su stresi koşullarında yetiştirilen buğday bitkisinde biyogaz atığı kompostunun rizosfer mikrobiyolojisine etkisi, Postgraduate, N.KÜREN(Student), 2018

Kızılkaya R., Samsun'da fındık yetiştiriciliği yapılan toprakların bazı özellikleri, Doctorate, B.ÇOLAK(Student), 2018

Kızılkaya R., Kombü Çayı (Kombucha) ve Kombü Çayı üretim artığı karışık mikroorganizma kültürünün tarımda mikrobiyal gübre olarak kullanıma olanaklarının araştırılması, Postgraduate, M.DURMUS(Student), 2013

Kızılkaya R., Ekstraselüler toprak enzim aktivitelerinin tayinlerinde kullanılan yöntemlerin karşılaştırılması, Postgraduate,

V.ERCİ(Student), 2012

Kızılkaya R., Bafra Ovasında bazı sodik ve sodiklik riski taşıyan toprakların biyolojik özellikleri, Postgraduate, T.ALPAŞLAN(Student), 2012

Kızılkaya R., Farklı ana materyaller üzerinde oluşmuş toprakların biyopedolojik özellikleri, Postgraduate, A.ERKOÇAK(Student), 2012

Kızılkaya R., Fındık zurufu ve arıtma çamurunun solucanlar ile (*Eisenia foetida*) kompostlanması elde edilen vermikompostun sera ve tarla koşullarında toprakların biyolojik özelliklerinde meydana getirdiği etkilerin belirlenmesi, Doctorate, F.ŞÜHEYDA(Student), 2010

Kızılkaya R., *Azotobacter* spp. ile aşılamının buğday bitkisinin verim ve besin elementi kapsamına etkisinin saptanması ve biyolojik gübre üretiminde uygun taşıyıcı materyalin belirlenmesi, Postgraduate, B.UYGUN(Student), 2008

Kızılkaya R., Çinko kirlenmesinin toprakların biyolojik özellikleri üzerine etkisinin belirlenmesi ve kirliliğin fitoremedasyon tekniği kullanılarak giderilmesi, Doctorate, B.BAYRAKLI(Student), 2007

Kızılkaya R., Farklı organik atıkların toprak ve mısır (*Zea mays indendata*) bitkisinin rizosfer bölgesindeki biyolojik özellikler üzerine etkisi, Postgraduate, N.KABLAN(Student), 2005

Kızılkaya R., Farklı düzeyde atık çamur uygulanmasının toprağın ve solucan (*Lumbricus terrestris*) dışkısının biyolojik özelliklerine etkisi, Postgraduate, F.ŞÜHEYDA(Student), 2004

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

- I. **Effects of vermicompost on soil microbiological properties in lettuce rhizosphere: An environmentally friendly approach for sustainable green future**  
Danish Toor M., Kızılkaya R., Anwar A., Koleva L., Eldesoky G. E.  
Environmental Research, vol.243, 2024 (SCI-Expanded)
- II. **Potential Role of Vermicompost in Abiotic Stress Tolerance of Crop Plants: a Review**  
Toor M. D., Kızılkaya R., Ullah I., Koleva L., Basit A., Mohamed H. I.  
JOURNAL OF SOIL SCIENCE AND PLANT NUTRITION, vol.23, no.4, pp.4765-4787, 2023 (SCI-Expanded)
- III. **Removal of Zinc Pollution by Using Some Hyperaccumulator Plants in Sewage Sludge Treated and Untreated Soils**  
Bayrakli B., Kızılkaya R.  
Tarım Bilimleri Dergisi, vol.29, no.3, pp.854-867, 2023 (SCI-Expanded)
- IV. **The Effect of Tomato Waste Compost on Yield of Tomato and Some Biological Properties of Soil**  
Durmus M., Kızılkaya R.  
AGRONOMY-BASEL, vol.12, no.6, 2022 (SCI-Expanded)
- V. **Influence of carbon-containing and mineral sorbents on the toxicity of soil contaminated with benzo[a]pyrene during phytotesting**  
Sushkova S., Minkina T., Dudnikova T., Barbashev A., Mazarji M., Chernikova N., Lobzenko I., Deryabkina I., Kızılkaya R.  
ENVIRONMENTAL GEOCHEMISTRY AND HEALTH, vol.44, no.1, pp.179-193, 2022 (SCI-Expanded)
- VI. **Realizing United Nations Sustainable Development Goals for Greener Remediation of Heavy Metals-Contaminated Soils by Biochar: Emerging Trends and Future Directions**  
Mazarji M., Bayero M. T., Minkina T., Sushkova S., Mandzhieva S., Tereshchenko A., Timofeeva A., Bauer T., Burachevskaya M., Kızılkaya R., et al.  
SUSTAINABILITY, vol.13, no.24, 2021 (SCI-Expanded)
- VII. **Environmental and human health risk assessment of potentially toxic elements in soils around the largest coal-fired power station in Southern Russia**  
Minkina T., Konstantinova E., Bauer T., Mandzhieva S., Sushkova S., Chaplygin V., Burachevskaya M., Nazarenko O., Kızılkaya R., Gülser C., et al.  
ENVIRONMENTAL GEOCHEMISTRY AND HEALTH, vol.43, no.6, pp.2285-2300, 2021 (SCI-Expanded)
- VIII. **Sustainability of agricultural and wild cereals to aerotechnogenic exposure**  
Chaplygin V., Mandzhieva S., Minkina T., Sushkova S., Kızılkaya R., Gülser C., Zamulina I., Kravtsova N., Lobzenko I.,

Chernikova N.

ENVIRONMENTAL GEOCHEMISTRY AND HEALTH, vol.43, no.4, pp.1427-1439, 2021 (SCI-Expanded)

- IX. **Transformation of copper oxide and copper oxide nanoparticles in the soil and their accumulation by *Hordeum sativum***  
Burachevskaya M., Minkina T., Mandzhieva S., Bauer T., Nevidomskaya D., Shuvaeva V., Sushkova S., Kızılkaya R., GÜLSER C., Rajput V.  
ENVIRONMENTAL GEOCHEMISTRY AND HEALTH, vol.43, no.4, pp.1655-1672, 2021 (SCI-Expanded)
- X. **CHANGES IN PROPERTIES OF A CLAYEY SOIL AFTER ADDING COMPOSTED AND UNCOMPOSTED GYTJA**  
YAKUPOĞLU T., Durmus M., Kara Z., Kızılkaya R.  
APPLIED ECOLOGY AND ENVIRONMENTAL RESEARCH, no.4, pp.3259-3271, 2021 (SCI-Expanded)
- XI. **Benzo[a]pyrene degradation and bioaccumulation in soil-plant system under artificial contamination**  
Sushkova S., Deryabkina I., Antonenko E., Kızılkaya R., Rajput V., Vasilyeva G.  
SCIENCE OF THE TOTAL ENVIRONMENT, vol.633, pp.1386-1391, 2018 (SCI-Expanded)
- XII. **Features of accumulation, migration, and transformation of benzo[a]pyrene in soil-plant system in a model condition of soil contamination**  
Sushkova S., Minkina T., Deryabkina (Turina) I., Mandzhieva S., Zamulina I., Bauer T., Vasilyeva G., Antonenko E., Rajput V., Kızılkaya R.  
JOURNAL OF SOILS AND SEDIMENTS, vol.18, no.6, pp.2361-2367, 2018 (SCI-Expanded)
- XIII. **Chemical contamination in upper horizon of Haplic Chernozem as a transformation factor of its physicochemical properties**  
Minkina T. M., Pinski D. L., Zamulina I. V., Nevidomskaya D. G., Gülser C., Mandzhieva S. S., Bauer T. V., Morozov I. V., Sushkova S. N., Kızılkaya R.  
JOURNAL OF SOILS AND SEDIMENTS, vol.18, no.6, pp.2418-2430, 2018 (SCI-Expanded)
- XIV. **Changes of soil hydraulic properties during the decomposition of organic waste in a coarse textured soil**  
Gülser C., Minkina T., Sushkova S., Kızılkaya R.  
JOURNAL OF GEOCHEMICAL EXPLORATION, vol.174, pp.66-69, 2017 (SCI-Expanded)
- XV. **Monitoring of benzo[a]pyrene content in soils under the effect of long-term technogenic pollution**  
Sushkova S., Minkina T., Turina I., Mandzhieva S., Bauer T., Kızılkaya R., Zamulina I.  
JOURNAL OF GEOCHEMICAL EXPLORATION, vol.174, pp.100-106, 2017 (SCI-Expanded)
- XVI. **Dynamics of benzo[alpha]pyrene accumulation in soils under the influence of aerotechnogenic emissions**  
Sushkova S. N., Minkina T. M., Mandzhieva S. S., Deryabkina (Tyurina) I. G., Vasil'eva G. K., Kızılkaya R.  
EURASIAN SOIL SCIENCE, vol.50, no.1, pp.95-105, 2017 (SCI-Expanded)
- XVII. **New alternative method of benzo[a]pyrene extraction from soils and its approbation in soil under technogenic pressure**  
Sushkova S. N., Minkina T. M., Mandzhieva S. S., Vasilyeva G. K., Borisenko N. I., Turina I. G., Bolotova O. V., Varduni T. V., Kızılkaya R.  
JOURNAL OF SOILS AND SEDIMENTS, vol.16, no.4, pp.1323-1329, 2016 (SCI-Expanded)
- XVIII. **Solubility of Benzo[a]pyrene and Organic Matter of Soil in Subcritical Water**  
Sushkova S., Minkina T., Mandzhieva S., Tjurina I., Bolotova O., Vasilyeva G., Orlovic-Leko P., Varduni T., Kızılkaya R.  
CROATICA CHEMICA ACTA, vol.88, no.3, pp.247-253, 2015 (SCI-Expanded)
- XIX. **Changes in Soil Quality by Compost and Hazelnut Husk Applications in a Hazelnut Orchard**  
Gülser C., Kızılkaya R., Aşkın T., Ekberli I.  
COMPOST SCIENCE & UTILIZATION, vol.23, no.3, pp.135-141, 2015 (SCI-Expanded)
- XX. **Assessing the impact of azadirachtin application to soil on urease activity and its kinetic parameters**  
Kızılkaya R., Samofalova I., Mudrykh N., MIKAILSOY F., Akça İ., Sushkova S., Minkina T.  
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.39, no.6, pp.976-983, 2015 (SCI-Expanded)
- XXI. **Efficacy of Neem Azal T/S formulation on *Philoscia muscorum* (Scopoli, 1763) (Isopoda; Philosciidae)**

- Akca I., Kızılkaya R., Minkina T., Sushkova S., Gromakova N. V.  
EGYPTIAN JOURNAL OF BIOLOGICAL PEST CONTROL, vol.25, no.1, pp.67-69, 2015 (SCI-Expanded)
- XXII. **Isolation and Identification of Bacterial Strains from Decomposing Hazelnut Husk**  
Kızılkaya R., ŞAHİN N., Tatar D., Veyisoglu A., AŞKIN T., Sushkova S. N., Minkina T. M.  
COMPOST SCIENCE & UTILIZATION, vol.23, no.3, pp.174-184, 2015 (SCI-Expanded)
- XXIII. **Evaluation of suppression of rhizomania disease by earthworm (*Lumbricus terrestris* L.) and its effects on soil microbial activity in different sugar beet cultivars**  
Akça İ., Yılmaz N. D., Kızılkaya R.  
ARCHIVES OF AGRONOMY AND SOIL SCIENCE, vol.60, no.11, pp.1565-1575, 2014 (SCI-Expanded)
- XXIV. **New method for benzo[a] pyrene analysis in plant material using subcritical water extraction**  
Sushkova S. N., Vasilyeva G. K., Minkina T. M., Mandzhieva S. S., Tjurina I. G., Kolesnikov S. I., Kızılkaya R., AŞKIN T.  
JOURNAL OF GEOCHEMICAL EXPLORATION, vol.144, pp.267-272, 2014 (SCI-Expanded)
- XXV. **EFFECTS OF GREEN MANURING ON SOIL ENZYME ACTIVITY**  
Surucu A., ÖZYAZICI M. A., Bayraklı B., Kızılkaya R.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.23, no.9, pp.2126-2132, 2014 (SCI-Expanded)
- XXVI. **Vermicomposting of Anaerobically Digested Sewage Sludge with Hazelnut Husk and Cow Manure by Earthworm *Eisenia foetida***  
Kızılkaya R., HEPŞEN TÜRKAY F. Ş.  
COMPOST SCIENCE & UTILIZATION, vol.22, no.2, pp.68-82, 2014 (SCI-Expanded)
- XXVII. **Variables of Microbial Response in Natural Soil Aggregates for Soil Characterization in Different Fluvial Land Shapes**  
Dengiz O., Kızılkaya R., Erkocak A., Durmus M.  
GEOMICROBIOLOGY JOURNAL, no.2, pp.100-107, 2013 (SCI-Expanded)
- XXVIII. **Vermicompost effects on wheat yield and nutrient contents in soil and plant**  
Kızılkaya R., HEPŞEN TÜRKAY F. Ş., TÜRKMEN C., Durmus M.  
ARCHIVES OF AGRONOMY AND SOIL SCIENCE, 2012 (SCI-Expanded)
- XXIX. **Spatial distribution of heavy metals in soils of the Bafra plain in Turkey**  
Kızılkaya R., Dengiz O., Ozyazici M. A., Askin T., Mikayilov F., Shein E. V.  
EURASIAN SOIL SCIENCE, no.12, pp.1343-1351, 2011 (SCI-Expanded)
- XXX. **Application of Geostatistical Methods to Heavy Metals Status in Carsamba Plain Soils**  
Sağlam M., Dengiz O., Ozyazici M. A., Kızılkaya R.  
ASIAN JOURNAL OF CHEMISTRY, vol.23, no.8, pp.3454-3460, 2011 (SCI-Expanded)
- XXXI. **Soil Enzymes as Indication of Soil Quality**  
Karaca A., Cetin S. C., TURGAY O. C., Kızılkaya R.  
SOIL ENZYMOLOGY, vol.22, pp.119-148, 2011 (SCI-Expanded)
- XXXII. **Earthworm Interactions with Soil Enzymes**  
Kızılkaya R., Karaca A., TURGAY O. C., CAMCI ÇETİN S.  
BIOLOGY OF EARTHWORMS, vol.24, pp.141-158, 2011 (SCI-Expanded)
- XXXIII. **Effects of Earthworms on the Availability and Removal of Heavy Metals in Soil**  
Karaca A., Kızılkaya R., TURGAY O. C., Cetin S. C.  
SOIL HEAVY METALS, vol.19, pp.369-388, 2010 (SCI-Expanded)
- XXXIV. **Effects of Heavy Metals on Soil Enzyme Activities**  
Karaca A., Cetin S. C., TURGAY O. C., Kızılkaya R.  
SOIL HEAVY METALS, vol.19, pp.237-262, 2010 (SCI-Expanded)
- XXXV. **Seasonal variation of N, P, K and Ca content of leaf, crown and root of 'Sweet Charlie' strawberry under different irradiation**  
Demirsoy L., Demirsoy H., Ersoy B., Balci G., Kızılkaya R.  
ZEMDIRBYSTE-AGRICULTURE, no.1, pp.23-32, 2010 (SCI-Expanded)
- XXXVI. **Variation of land use and land cover effects on some soil physico-chemical characteristics and soil enzyme activity**  
Kızılkaya R., Dengiz O.

- ZEMDIRBYSTE-AGRICULTURE, vol.97, no.2, pp.15-24, 2010 (SCI-Expanded)
- XXXVII. **Nitrogen fixation capacity of *Azotobacter* spp. strains isolated from soils in different ecosystems and relationship between them and the microbiological properties of soils**  
Kızılkaya R.  
JOURNAL OF ENVIRONMENTAL BIOLOGY, vol.30, no.1, pp.73-82, 2009 (SCI-Expanded)
- XXXVIII. **SOIL BASAL RESPIRATION AND DEHYDROGENASE ACTIVITY OF AGGREGATES: A STUDY IN A TOPOSEQUENCE OF PASTURE SOILS**  
AŞKIN T., Kızılkaya R.  
ZEMDIRBYSTE-AGRICULTURE, vol.96, no.1, pp.98-112, 2009 (SCI-Expanded)
- XXXIX. **Yield response and nitrogen concentrations of spring wheat (*Triticum aestivum*) inoculated with *Azotobacter Chroococcum* strains**  
Kızılkaya R.  
ECOLOGICAL ENGINEERING, vol.33, no.2, pp.150-156, 2008 (SCI-Expanded)
- XL. **Dehydrogenase activity in *Lumbricus terrestris* casts and surrounding soil affected by addition of different organic wastes and Zn**  
Kızılkaya R.  
BIORESOURCE TECHNOLOGY, vol.99, no.5, pp.946-953, 2008 (SCI-Expanded)
- XLI. **Determination of the effects of hazelnut husk and tea waste treatments on urease enzyme activity and its kinetics in soil**  
Kızılkaya R., Ekberli I.  
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.32, no.4, pp.299-310, 2008 (SCI-Expanded)
- XLII. **Sequential micronutrients extraction from toposequences of pasture soils**  
Ozdemir N., Kızılkaya R., Hepsen S., YAKUPOĞLU T.  
ASIAN JOURNAL OF CHEMISTRY, vol.19, no.5, pp.4025-4034, 2007 (SCI-Expanded)
- XLIII. **Effects of different topographic positions on soil properties and soil enzymes activities**  
Dengiz O., Kızılkaya R., Gol C., Hepsen S.  
ASIAN JOURNAL OF CHEMISTRY, vol.19, no.3, pp.2295-2306, 2007 (SCI-Expanded)
- XLIV. **Microbiological properties in earthworm cast and surrounding soil amended with various organic wastes**  
Kızılkaya R., Hepsen S.  
COMMUNICATIONS IN SOIL SCIENCE AND PLANT ANALYSIS, vol.38, no.19-20, pp.2861-2876, 2007 (SCI-Expanded)
- XLV. **Urease Activity and its Kinetics in Soil Treated with Tobacco Waste and Wheat Straw**  
Kızılkaya R., Ekberli I., Kars N.  
JOURNAL OF AGRICULTURAL SCIENCES-TARIM BİLİMLERİ DERGİSİ, vol.13, no.3, pp.186-194, 2007 (SCI-Expanded)
- XLVI. **Assessing spatial variability of soil enzyme activities in pasture topsoils using geostatistics**  
Askin T., Kızılkaya R.  
EUROPEAN JOURNAL OF SOIL BIOLOGY, vol.42, no.4, pp.230-237, 2006 (SCI-Expanded)
- XLVII. **Urease enzyme and its kinetic and thermodynamic parameters in clay loam soil**  
Ekberli I., Kızılkaya R., Kars N.  
ASIAN JOURNAL OF CHEMISTRY, vol.18, no.4, pp.3097-3105, 2006 (SCI-Expanded)
- XLVIII. **Catalase enzyme and its kinetic parameters in earthworm *L-terrestris* casts and surrounding soil**  
Ekberli I., Kızılkaya R.  
ASIAN JOURNAL OF CHEMISTRY, vol.18, no.3, pp.2321-2328, 2006 (SCI-Expanded)
- XLIX. **Spatial variability and monitoring of Pb contamination of farming soils affected by industry**  
Cemek B., Kızılkaya R.  
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.117, no.1-3, pp.357-375, 2006 (SCI-Expanded)
- L. **Organic and microbial biomass carbon contents of aggregates in a toposequence of pasture soils**  
Aşkin T., Kızılkaya R.  
Asian Journal of Chemistry, vol.18, no.2, pp.1500-1508, 2006 (SCI-Expanded)

- LI. **The role of different organic wastes on zinc bioaccumulation by earthworm *Lumbricus terrestris* L. (*Oligochaeta*) in successive Zn added soil**  
Kızılkaya R.  
ECOLOGICAL ENGINEERING, vol.25, no.4, pp.322-331, 2005 (SCI-Expanded)
- LII. **Effects of N-enriched sewage sludge on soil enzyme activities**  
Kızılkaya R., Bayraklı B.  
APPLIED SOIL ECOLOGY, vol.30, no.3, pp.192-202, 2005 (SCI-Expanded)
- LIII. **Effects of azadirachtin on Beet soilborne pomovirus and soil biological properties on sugar beet**  
Akca I., Yılmaz N. D., Kızılkaya R.  
JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART B-PESTICIDES FOOD CONTAMINANTS AND AGRICULTURAL WASTES, vol.40, no.2, pp.285-296, 2005 (SCI-Expanded)
- LIV. **Cu and Zn accumulation in earthworm *Lumbricus terrestris* L. in sewage sludge amended soil and fractions of Cu and Zn in casts and surrounding soil**  
Kızılkaya R.  
ECOLOGICAL ENGINEERING, vol.22, no.2, pp.141-151, 2004 (SCI-Expanded)
- LV. **Microbiological characteristics of soils contaminated with heavy metals**  
Kızılkaya R., Askin T., Bayraklı B., Sağlam N.  
EUROPEAN JOURNAL OF SOIL BIOLOGY, vol.40, no.2, pp.95-102, 2004 (SCI-Expanded)
- LVI. **Effect of biosolid amendment on enzyme activities in earthworm (*Lumbricus terrestris*) casts**  
Kızılkaya R., Hepsen S.  
JOURNAL OF PLANT NUTRITION AND SOIL SCIENCE, vol.167, no.2, pp.202-208, 2004 (SCI-Expanded)
- LVII. **Use of enzyme activities as a soil erodibility indicator**  
Kızılkaya R., Askin T., Özdemir N.  
INDIAN JOURNAL OF AGRICULTURAL SCIENCES, vol.73, no.8, pp.446-449, 2003 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Profile distribution of polycyclic aromatic hydrocarbons in coastal soils of the Lower Don and Taganrog Bay, Russia**  
Dudnikova T., Minkina T., Sushkova S., Barbashev A., Antonenko E., Shuvaev E., Nemtseva A., Maksimov A., Litvinov Y., Nevidomskaya D., et al.  
Eurasian Journal of Soil Science, vol.13, no.2, pp.111-124, 2024 (Scopus)
- II. **Synchrotron-based techniques for elemental analysis in soil-plant system under polluted environment**  
Kirichkov M., Burachevskaya M., Mandzhieva S., Minkina T., Rajput V. D., Nevidomskaya D., Shende S. S., Tsitsuashvili V., Maksimov A., Sushkova S., et al.  
Eurasian Journal of Soil Science, vol.13, no.2, pp.89-100, 2024 (Scopus)
- III. **Soil fertility status, productivity challenges, and solutions in rice farming landscapes of Azerbaijan**  
İslamzade T., Baxishov D., Guliyev A., Kızılkaya R., İslamzade R., Ay A., Huseynova S., Mammadova M.  
Eurasian Journal of Soil Science, vol.13, no.1, pp.70-78, 2024 (Scopus)
- IV. **Arazi koşullarında çinko ile kirletilmiş toprağın biyolojik özelliklerindeki değişim**  
BAYRAKLI B., KIZILKAYA R.  
Toprak Bilimi ve Bitki Besleme Dergisi, vol.11, no.1, pp.38-46, 2023 (Peer-Reviewed Journal)
- V. **Role of sorbents in early growth of barley under copper and benzo(a)pyrene contaminated soils**  
Barakhov A., Chernikova N., Dudnikova T., Barbashev A., Sushkova S., Mandzhieva S., Rajput V., Kızılkaya R., Konstantinova E., Bren D., et al.  
Eurasian Journal of Soil Science, vol.12, no.1, pp.1-9, 2023 (Scopus)
- VI. **Ordu ve Giresun illerindeki bazı fındık bahçesi topraklarının bitki besin elementi kapsamı**  
Ay A., Kızılkaya R.  
Toprak Bilimi ve Bitki Besleme Dergisi, vol.10, no.2, pp.186-192, 2022 (Peer-Reviewed Journal)

- VII. **Impact of NPK fertilization on hazelnut yield and soil chemical-microbiological properties of Hazelnut Orchards in Western Georgia**  
Kızılkaya R., Dumbadze G., Gülser C., Jgenti L.  
Eurasian Journal of Soil Science, vol.11, no.3, pp.206-215, 2022 (Scopus)
- VIII. **The effects of two Fe-EDDHA chelated fertilizers on dry matter production and Fe uptake of tomato seedlings and Fe forms of a calcareous soil**  
Ay A., Demirkaya S., Kızılkaya R., Gülser C.  
Eurasian Journal of Soil Science, vol.11, no.3, pp.259-265, 2022 (Scopus)
- IX. **Effect of Comboutea (Kombucha) and Mix Microorganisms Culture Comboutea Production Waste on Basal Respiration and Microbial Biomass Carbon Content of Soils**  
Durmuş M., Kızılkaya R.  
Anadolu Tarım Bilimleri Dergisi, vol.37, no.2, pp.275-290, 2022 (Peer-Reviewed Journal)
- X. **A review on nanobioremediation approaches for restoration of contaminated soil**  
Rajput V. D., Minkina T., Kumari A., Shende S. S., Ranjan A., Faizan M., Barakvov A., Gromovik A., Gorbunova N., Rajput P., et al.  
Eurasian Journal of Soil Science, vol.11, no.1, pp.43-60, 2022 (Scopus)
- XI. **Influence of inoculating microbes on municipal sewage sludge composting**  
Bostubaeva M. B., Nauanova A. P., Kızılkaya R.  
Eurasian Journal of Soil Science, vol.11, no.4, pp.295-302, 2022 (Scopus)
- XII. **Reduced plant uptake of PAHs from soil amended with sunflower husk biochar**  
Sushkova S., Minkina T., Dudnikova T., Barbashev A., Popov Y., Rajput V., Bauer T., Nazarenko O., Kızılkaya R.  
Eurasian Journal of Soil Science, vol.10, no.4, pp.269-277, 2021 (Scopus)
- XIII. **Relationships Between Soil Properties and Biological Properties of Hazelnut Orchards in Ordu and Giresun Provinces**  
AY A., KIZILKAYA R.  
Toprak Bilimi ve Bitki Besleme Dergisi, vol.9, no.1, pp.71-78, 2021 (Peer-Reviewed Journal)
- XIV. **Composting of the tea fabrication waste according to the windrow method**  
RAKICIOĞLU S., KIZILKAYA R.  
Toprak Bilimi ve Bitki Besleme Dergisi, vol.9, no.2, pp.62-68, 2021 (Peer-Reviewed Journal)
- XV. **Farklı sulama miktarlarında yetiştirilen buğday bitkisinin su kullanma randımanı ile verimlilik parametreleri arasındaki ilişkiler**  
GÜLSER C., KIZILKAYA R.  
Toprak Bilimi ve Bitki Besleme Dergisi, vol.8, no.1, pp.46-52, 2020 (Peer-Reviewed Journal)
- XVI. **Assessment of extraction methods for studying the fractional composition of Cu and Zn in uncontaminated and contaminated soils**  
Burachevskaya M., Minkina T., Bauer T., Mandzhieva S., Gülser C., Kızılkaya R., Sushkova S., Rajput V.  
Eurasian Journal of Soil Science, vol.9, no.3, pp.231-241, 2020 (Scopus)
- XVII. **PAHs accumulation in soil-plant system of phragmites Australis cav. In soil under long-term chemical contamination**  
Sushkova S., Minkina T., Tarigholizadeh S., Antonenko E., Konstantinova E., GÜLSER C., Dudnikova T., Barbashev A., Kızılkaya R.  
Eurasian Journal of Soil Science, vol.9, no.3, pp.242-253, 2020 (Scopus)
- XVIII. **Accumulating capacity of herbaceous plants of the asteraceae and poaceae families under technogenic soil pollution with zinc and cadmium**  
Chaplygin V., Mandzhieva S., Minkina T., Sushkova S., Barahov A., Nevidomskaya D., Kızılkaya R., GÜLSER C., Chernikova N., Mazarji M., et al.  
Eurasian Journal of Soil Science, vol.9, no.2, pp.165-172, 2020 (Scopus)
- XIX. **Effect of soil properties formed on various periglacial shapes in Ilgaz Mountain on dehydrogenase enzyme activity**  
KIZILKAYA R., DEDE V., DENGİZ O., AY A.  
Toprak Bilimi ve Bitki Besleme Dergisi, vol.7, no.2, pp.121-127, 2019 (Peer-Reviewed Journal)



- XX. **The effect of NPK foliar fertilization on yield and macronutrient content of grain in wheat under Kostanai-Kazakhstan conditions**  
GÜLSER C., Zharlygasov Z., Kızılkaya R., Kalimov N., Akça I., Zharlygasov Z.  
Eurasian Journal of Soil Science, vol.8, no.3, pp.275-281, 2019 (Scopus)
- XXI. **Changes in biological soil quality indicators under saline soil condition after amelioration with alfalfa (*Medicago sativa* L.) cultivation in meadow Solonchak**  
Yertayeva Z., Kızılkaya R., Kaldybayev S., Seitkali N., Abdraimova N., Zhamangarayeva A.  
Eurasian Journal of Soil Science, vol.8, no.3, pp.189-195, 2019 (Scopus)
- XXII. **Domates üretim atık ve artıklarından kompost eldesi**  
Durmuş M., Kızılkaya R.  
Toprak Bilimi ve Bitki Besleme Dergisi, vol.6, no.2, pp.95-100, 2018 (Peer-Reviewed Journal)
- XXIII. **Effects of organic conditioner applications on dehydrogenase activity in soils having different pH levels**  
ÖZDEMİR N., GÜLSER C., KIZILKAYA R., KOP DURMUŞ Ö. T., EKBERLİ İ.  
ATATÜRK UNIVERSITY JOURNAL OF AGRICULTURAL FACULTY, vol.49, no.1, pp.21-27, 2018 (Peer-Reviewed Journal)
- XXIV. **Effect of Kombu tea (Kombucha) and mix microorganisms culture of Kombu tea production waste on wheat plant yield, dehydrogenase and catalase enzyme activity of soils**  
DURMUŞ M., KIZILKAYA R.  
Toprak Bilimi ve Bitki Besleme Dergisi, vol.4, no.2, pp.76-82, 2016 (Peer-Reviewed Journal)
- XXV. **Benzo a pyrene contamination in Rostov Region of Russian Federation A 10 year retrospective of soil monitoring under the effect of long term technogenic pollution**  
Sushkova S., Minkina T., Turina I., Mandhizieva S., Bauer T., Zamulina I., Kızılkaya R.  
Eurasian Journal of Soil Science, vol.5, no.2, pp.155-165, 2016 (Peer-Reviewed Journal)
- XXVI. **Analysis of benzo[a]pyrene contamination from an long- term contaminated soil**  
Sushkova S., Minkina T., Batukaev A., Turina I., Mandzhieva S., Vasilyeva G., Kızılkaya R., Zamulina I., Akça İ.  
American Journal of Biochemistry and Biotechnology, vol.12, no.1, pp.1-11, 2015 (Scopus)
- XXVII. **The financial feasibility of hazelnut husk and sewage sludge based vermicompost production**  
Ceyhan V., Kızılkaya R., Akça I., Vaseleva A., Novikova K.  
Eurasian Journal of Soil Science, vol.4, no.4, pp.259, 2015 (Peer-Reviewed Journal)
- XXVIII. **Toprak organik karbonu Jeostatistiksel bir yaklaşım**  
AŞKIN T., KIZILKAYA R., OLEKHOV V., MUDRYKH N., SAMAFALOVA I., TÜRKMEN F.  
TOPRAK BİLİMİ VE BİTKİ BESLEME DERGİSİ, vol.2, no.1, pp.13-18, 2014 (Peer-Reviewed Journal)
- XXIX. **Canopy temperature for peach tree at various soil water contents**  
Septar L., Paltineanu C., Chitu E., Moale C., Demirsoy H., Köksal E. S., Kızılkaya R., Macit İ.  
Eurasian Journal of Soil Science, vol.3, no.1, pp.56-64, 2014 (Peer-Reviewed Journal)
- XXX. **Investigation of a novel soil analysis method in agricultural areas of Çarşamba plain for fertilizer recommendation**  
EREN E., ÖKSÜZ Y., KARADAĞ S., GEMİCİ Z., KIZILKAYA R., HATİPOĞLU H.  
Eurasian Journal of Soil Science, vol.3, no.2, pp.123-130, 2014 (Peer-Reviewed Journal)
- XXXI. **Approbation of express method for benzo a pyrene extraction from soils in the technogenic emission zone territories**  
SUSHKOVA S., MINKINA T., MANDZHIEVA S., BORISENKO N., VASILYEVA G., KIZILKAYA R., AŞKIN T.  
Eurasian Journal of Soil Science, vol.4, no.1, pp.15-21, 2014 (Peer-Reviewed Journal)
- XXXII. **Heavy metal compounds in a soil of technogenic zone as indicate of its ecological state**  
MINKINA T., MANDZHIEVA S., MOTUSOVA G., BURACHEVSKAYA M., NAZARENKO O., SUSHKOVA S., KIZILKAYA R.  
Eurasian Journal of Soil Science, vol.3, no.2, pp.144-151, 2014 (Peer-Reviewed Journal)
- XXXIII. **Soil dehydrogenase activity of natural macro aggregates in a toposequence of forest soil**  
Maira K., DURMUŞ M., aylin e., KIZILKAYA R.  
Eurasian Journal of Soil Science, vol.2, no.1, pp.69-75, 2013 (Peer-Reviewed Journal)
- XXXIV. **Soil exchangeable cations A geostatistical study from Russia**

- AŞKIN T., KIZILKAYA R., YILMAZ R., OLEKHOV V., MUDRYKH N., SAMOFALOVA I.  
Eurasian Journal of Soil Science, vol.1, no.1, pp.34-39, 2012 (Peer-Reviewed Journal)
- XXXV. **Effect of Soil contamination with azadirachtin on dehydrogenase and catalase activity of soil**  
KIZILKAYA R., AKÇA İ., AŞKIN T., YILMAZ R., OLEKHOV V., SAMOFALOVA I., MUDRYKH N., KURTIŞ B., SARIBOĞA M. A.  
Eurasian Journal of Soil Science, vol.1, no.2, pp.98-103, 2012 (Peer-Reviewed Journal)
- XXXVI. **Heavy metal contents of St. John's Wort (*Hypericum perforatum* L.) growing in Northern Turkey**  
Ayan A. K., Kızılkaya R., Cirak C., Kevseroğlu K.  
Journal of Plant Sciences, vol.5, no.3, pp.263-267, 2010 (Scopus)
- XXXVII. **Organik atıkların toprakta üreaz aktivitesine ait termodinamik parametrelere etkisi**  
EKBERLİ İ., KIZILKAYA R., KARS N., AKPINAR G.  
Anadolu Tarım Bilimleri Dergisi, vol.24, no.1, pp.44-53, 2009 (Peer-Reviewed Journal)
- XXXVIII. **Relationship between phosphatase activity and phosphorus fractions in agricultural soils**  
Kızılkaya R., Bayraklı F., Sürücü A.  
International Journal of Soil Science, vol.2, no.2, pp.107-118, 2007 (Scopus)
- XXXIX. **Şekerpancarında yapraklara uygulanan neem preparatının beet soilborne virus ve toprakların biyolojik özellikleri üzerine etkilerinin araştırılması**  
KUTLUK YILMAZ N. D., KIZILKAYA R., AKÇA İ.  
Ondokuz Mayıs Üniversitesi Ziraat Fakültesi Dergisi, vol.22, no.1, pp.5-10, 2007 (Peer-Reviewed Journal)
- XL. **The spatial variability of soil dehydrogenase activity: A survey in urban soils**  
Kızılkaya R., Aşkin T.  
Agriculturae Conspectus Scientificus, vol.72, no.1, pp.89-94, 2007 (Scopus)
- XLI. **Relationships between phosphatase activity and phosphorus fractions in agricultural soils**  
KIZILKAYA R., FETHİ B., SÜRÜCÜ A.  
INTERNATIONAL JOURNAL OF SOIL SCIENCE, vol.2, no.2, pp.107-118, 2007 (Scopus)
- XLII. **Spatial distribution patterns of soil microbial biomass carbon within the pasture**  
Aşkin T., Kızılkaya R.  
Agriculturae Conspectus Scientificus, vol.72, no.1, pp.75-79, 2007 (Scopus)
- XLIII. **Cooper Lead Cadmium and Nickel Fractions in Agricultural Soils A Study on Bafra Plain**  
AŞKIN T., KIZILKAYA R., GÜLSER C.  
Anadolu University Journal of Science and Technology, vol.7, no.1, pp.167-177, 2006 (Peer-Reviewed Journal)
- XLIV. **Heavy Metal Distribution A Survey from Ordu Province in the Black Sea Region**  
TARAKÇIOĞLU C., AŞKIN T., KIZILKAYA R.  
AMERICAN-EURASIAN J.AGRIC. ENVIRON.SCI., vol.1, no.3, pp.282-287, 2006 (Peer-Reviewed Journal)
- XLV. **Copper lead cadmium and nickel fractions in agricultural soils A study in Bafra Plain**  
AŞKIN T., KIZILKAYA R., GÜLSER C., Çağmel B.  
Anadolu University Journal of Science and Technology, vol.7, no.1, pp.167-177, 2006 (Peer-Reviewed Journal)
- XLVI. **THE SPATIAL VARIABILITY OF UREASE ACTIVITY OF SURFACE AGRICULTURAL SOILS WITHIN AN URBAN AREA**  
Askin T., Kızılkaya R.  
JOURNAL OF CENTRAL EUROPEAN AGRICULTURE, vol.6, no.2, pp.161-165, 2005 (ESCI)
- XLVII. **Ondokuz Mayıs Üniversitesi kampüs topraklarının bazı mikrobiyolojik özellikleri**  
AŞKIN T., KIZILKAYA R., GÜLSER C., BAYRAKLI B.  
Ondokuz Mayıs Üniversitesi Ziraat Fakültesi Dergisi, vol.19, no.1, pp.31-36, 2004 (Peer-Reviewed Journal)
- XLVIII. **Use of enzyme activities as a soil credibility indicator**  
Kızılkaya R., Askin T., Özdemir N.  
Indian Journal of Agricultural Sciences, vol.73, no.8, pp.446-449, 2003 (Scopus)
- XLIX. **Influence of cadmium fractions on microbiological properties in bafra plain soils**  
Kızılkaya R., Aşkin T.  
International Journal of Phytoremediation, vol.21, no.1, pp.263-272, 2002 (Scopus)
- L. **Topoğrafyanın toprakların bazı mikrobiyolojik özelliklerine etkileri**

KIZILKAYA R., YİRMİBEŞOĞLU B., ÖZDEMİR N., AŞKIN T., PEKPAZAR B.

Ondokuz Mayıs Üniversitesi Ziraat Fakültesi Dergisi, vol.16, no.1, pp.27-34, 2002 (Peer-Reviewed Journal)

- LI. **Farklı organik atıkların toprakların üreaz enzim aktivitesi üzerine etkisi**  
ÖZDEMİR N., KIZILKAYA R., SÜRÜCÜ A.  
Ekoloji Çevre Dergisi, vol.10, no.37, pp.23-26, 2000 (Peer-Reviewed Journal)
- LII. **Estimation of the plant-available amounts of N in poultry manure dried with fan separator by 15N trace technique Fan separatörle kurutulmuş tavuk gübresinde azotun bitkiye yarayışlı miktarının 15N izleme tekniğiyle belirlenmesi**  
Korkmaz A., Kızılkaya R., HORUZ A., Sürücü A.  
Turkish Journal of Agriculture and Forestry, vol.24, no.1, pp.63-70, 2000 (Scopus)
- LIII. **Fan separatörle kurutulmuş tavuk gübresinde azotun bitkiye yarayışlı miktarının N 15 izleme tekniğiyle belirlenmesi**  
KORKMAZ A., KIZILKAYA R., HORUZ A., SÜRÜCÜ A.  
Turkish Journal of Agriculture and Forestry, vol.24, pp.63-70, 2000 (Peer-Reviewed Journal)
- LIV. **Determination of the effects of pesticides on the growth of different Bacillus spp.**  
KIZILKAYA R., AKSOY H. M.  
Ondokuz Mayıs Üniversitesi Ziraat Fakültesi Dergisi (Anadolu Tarım Bilimleri Dergisi), vol.14, no.3, pp.76-87, 1999 (Peer-Reviewed Journal)
- LV. **Bazı ağır metallerin Cd Co Cu Ni Zn Agrobacterium tumefaciens gelişmesine olan etkilerinin belirlenmesi**  
AKSOY H. M., KIZILKAYA R., MADEN S.  
Ondokuz Mayıs Üniversitesi Ziraat Fakültesi Dergisi, vol.14, no.2, pp.55-64, 1999 (Peer-Reviewed Journal)
- LVI. **The effects of lead copper and nickel pollution on soil microbiological properties**  
KIZILKAYA R.  
POPULAR SCIENCE JOURNAL, vol.5, pp.100-101, 1999 (Peer-Reviewed Journal)
- LVII. **Çevresel toprak sorunları ve gübrelerin çevre kirliliğine katkısı**  
KORKMAZ A., KIZILKAYA R., KAYMAZ Z., AYGÜMÜŞ Ş., KISA O., AKGÜN K.  
Ondokuz Mayıs Üniversitesi Ziraat Fakültesi Dergisi, vol.13, no.1, pp.147-164, 1998 (Peer-Reviewed Journal)
- LVIII. **Fındık tarımı yapılan toprakların biyokimyasal aktivite özellikleri ile toprak özellikleri arasındaki ilişkiler**  
KARACA A., KIZILKAYA R., HORUZ A., ARCAK S.  
Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, vol.4, no.3, pp.813-822, 1998 (Peer-Reviewed Journal)
- LIX. **Çeltik tarımı yapılan topraklarda enzim aktiviteleri ile toprak özellikleri arasındaki ilişkiler**  
KIZILKAYA R., ARCAK S., HORUZ A., KARACA A., TUNCAY F., KOÇAK F. A., BAYRAMOĞLU DEMİRDÖĞEN E.  
Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, vol.4, no.3, pp.797-804, 1998 (Peer-Reviewed Journal)
- LX. **Pestisidlerin toprakta tutulmaları**  
KIZILKAYA R.  
Ondokuz Mayıs Üniversitesi Ziraat Fakültesi Dergisi, vol.12, no.1, pp.131-145, 1997 (Peer-Reviewed Journal)
- LXI. **Trifluralin in nitrifikasyon üzerine etkisi**  
KIZILKAYA R., ARCAK S.  
Ondokuz Mayıs Üniversitesi Ziraat Fakültesi Dergisi, vol.11, no.3, pp.145-154, 1996 (Peer-Reviewed Journal)

## Books & Book Chapters

### I. Toprak Kirliliği ve Yönetimi

NAMLI A., TURGAY O. C., KIZILKAYA R., HOŞGÖRMEZ H., AKYÜZ D. E., AYSAL N., ŞİMŞEK O., CİVELEK Y., MERT M.  
in: Toprak Amenajmanı, S.Erşahin, T.Aztaş, A.Namlı, G.Karahan, Editor, Gazi Kitabevi, Ankara, pp.327-368, 2015

### II. Toprak Organizmalarının Yönetimi ve Sürdürülebilir Tarım Açısından Önemi

OKUR N., KIZILKAYA R., UZ İ.

in: Toprak Amenajmanı, S.Erşahin, T.Öztaş, A.Namlı, G.Karahan, Editor, Gazi Kitabevi, Ankara, pp.405-448, 2015

- III. **Soil enzymes as indication of soil quality**  
KARACA A., CAMCI ÇETİN S., TURGAY O. C., KIZILKAYA R., ÖKMEN M., ÖZÇALIK M., ÖZER B.  
in: Soil Enzymology Soil Biology Series, S. Girish, A. Varma, Editor, Springer, pp.119-148, 2011
- IV. **Role of plant growth promoting bacteria and fungi in heavy metal detoxification**  
CAMCI ÇETİN S., KARACA A., KIZILKAYA R., TURGAY O. C., ÇATAL G. S.  
in: Detoxification of Heavy Metals, I.Sherameti, A.Varma , Editor, Springer, pp.369-388, 2011
- V. **Detoxification of heavy metals using earthworms**  
TURGAY O. C., KIZILKAYA R., KARACA A., CAMCI ÇETİN S.  
in: Detoxification of Heavy Metals, I. Sherameti, A. Varma , Editor, Springer, pp.407-421, 2011
- VI. **Effects of heavy metals on soil enzyme activities**  
KARACA A., CAMCI ÇETİN S., TURGAY O. C., KIZILKAYA R.  
in: Soil Heavy Metals Soil Biology Series, I.Sherameti, A.Varma , Editor, Springer, pp.237-262, 2010
- VII. **Effects of earthworms on the availability and removal of heavy metals in soils**  
KARACA A., KIZILKAYA R., TURGAY O. C., CAMCI ÇETİN S., MERDAN O., akca b.  
in: Soil Heavy Metals Soil Biology Series, I.Sherameti, A.Varma , Editor, Springer, pp.369-388, 2010

## Refereed Congress / Symposium Publications in Proceedings

- I. **DETERMINATION OF THE PHYTOTOXIC EFFECT OF FISH PROTEIN HYDROLYZATE ON CUT ROSE GROWING**  
TÜTÜNCÜ M., Andıç M., AY A., DEMİRKAYA S., KORKMAZ K., KIZILKAYA R.  
12th International Molecular Biology and Bioechnology Congress, Kayseri, Turkey, 13 - 15 December 2023, pp.18
- II. **The effects of Azotobacter chroococcum inoculation on somemicrobiological characteristics in soils with different organic wasteadded**  
Durmuş M., Kizilkaya R.  
International Symposium on "Soil Science and Plant Nutrition", Samsun, Turkey, 8 - 09 December 2023, pp.113-117
- III. **A comprehensive overview of humic substances as plant biostimulants for sustainable agriculture**  
Mahmud U., Koleva L., Kizilkaya R.  
International Soil Science Symposium on "SOIL SCIENCE & PLANT NUTRITION", Samsun, Turkey, 7 - 08 December 2023, pp.179-182
- IV. **Acidic soils amelioration; Past, current and future direction for sustainable agricultural productivity**  
Saaka J., Kizilkaya R.  
International Soil Science Symposium on "SOIL SCIENCE & PLANT NUTRITION", Samsun, Turkey, 7 - 08 December 2023, pp.98-102
- V. **USE OF ANCHOVY WASTE PROTEIN HYDROLYSATES AS PLANT BIOSTIMULANTS IN CUT FLOWER GROWING**  
Andıç M., TÜTÜNCÜ M., AY A., DEMİRKAYA S., KORKMAZ K., KIZILKAYA R.  
XIV International Scientific Agriculture Symposium "AGROSYM 2023", Jahorina, Bosnia And Herzegovina, 5 - 08 October 2023, pp.519
- VI. **Possibility of using vermicompost to improve oil plants productivity**  
Azab M., KIZILKAYA R., Hayja S. A. A.  
International Soil Science Symposium on Soil Science & Plant Nutrition (7th International Scientific Meeting), Samsun, Turkey, 02 December 2022, pp.60-63
- VII. **Exploring the soil fertility and plant nutrition potential of LAB isolated from palm wine and sha'a**  
Sama D. K., Agbor D. T., Dohnji J. D., KIZILKAYA R.  
International Soil Science Symposium on Soil Science & Plant Nutrition (7th International Scientific Meeting), Samsun, Turkey, 02 December 2022, pp.69-74
- VIII. **Importance of silicon in agriculture**  
Aydın H., KIZILKAYA R., AY A.  
International Soil Science Symposium on Soil Science & Plant Nutrition (7th International Scientific Meeting),

Samsun, Turkey, 2 - 03 December 2022, pp.254-258

- IX. **Vermicompost: A gateway to sustainable agriculture production**  
Toor M. D., KIZILKAYA R.  
International Soil Science Symposium on Soil Science & Plant Nutrition (7th International Scientific Meeting), Samsun, Turkey, 02 December 2022, pp.118-123
- X. **Effects of rhizosphere microbiome on alleviate environmental stress on strawberry crop: A review**  
Gamal M., KIZILKAYA R.  
International Soil Science Symposium on Soil Science & Plant Nutrition (7th International Scientific Meeting), Samsun, Turkey, 02 December 2022, pp.107-117
- XI. **Use of product containing free nitrogen-fixing bacteria (biofertilizer) as a supplement in nitrogen fertilization of crops**  
Kaiyrbekov T., Vasilev A., Koleva-Volkova L., KIZILKAYA R.  
International Soil Science Symposium on Soil Science & Plant Nutrition (7th International Scientific Meeting), Samsun, Turkey, 02 December 2022, pp.229-235
- XII. **Impact of soil-applied biochar and foliar application of ZnO NPs on plant growth in PAHs contaminated soils**  
ELGENDY H., MINKINA T., SUSHKOVA S., RAJPUT V., KIZILKAYA R., BARBASHEV A., DUDNIKOVA T.  
INTERNATIONAL SOIL SCIENCE SYMPOSIUM on SOIL SCIENCE & PLANT NUTRITION (6th International Scientific Meeting), Samsun, Turkey, 18 - 19 December 2021, pp.18-22
- XIII. **Total zinc contents of composted and vermicomposted olive pomace waste with manure**  
KARAPIÇAK B., KIZILKAYA R., GÜLSER C., AY A.  
INTERNATIONAL SOIL SCIENCE SYMPOSIUM on SOIL SCIENCE & PLANT NUTRITION (6th International Scientific Meeting), Samsun, Turkey, 18 December 2021, pp.57-61
- XIV. **Exploring the potential of metal-organic frameworks (MOFs) decorated biochar for the remediation of heavy metal-contaminated media**  
Tukur BAYERO M., MAZARJI M., SUSHKOVA S., MINKINA, T., MANDZHIEVA S., BAUER T., GÜLSER C., KIZILKAYA R., DENGİZ O.  
International Soil Science Symposium on "SOIL SCIENCE & PLANT NUTRITION" 18 - 19 December 2021 / Samsun, Turkey, Turkey, 18 December 2021, vol.1, pp.139-144
- XV. **Effect of PAHs and heavy metal co-contamination on soil microbial communities and their metagenomics studies**  
JOHAR J., KIZILKAYA R., SUSHKOVA S., MINKINA T.  
INTERNATIONAL SOIL SCIENCE SYMPOSIUM on SOIL SCIENCE & PLANT NUTRITION (6th International Scientific Meeting), Samsun, Turkey, 18 - 19 December 2021, pp.23-28
- XVI. **The effect of two iron fertilizers on DTPA extractable micronutrient contents of a calcareous soil**  
AY A., KIZILKAYA R., DEMİRKAYA S., GÜLSER C.  
International Soil Science Symposium on "SOIL SCIENCE & PLANT NUTRITION", Samsun, Turkey, 18 - 19 December 2021, vol.1, pp.239-246
- XVII. **The effect of two iron fertilizers on DTPA extractable micronutrient contents of a calcareous soil**  
AY A., KIZILKAYA R., DEMİRKAYA S., GÜLSER C.  
International Soil Science Symposium on Soil Science and Plant Nutrition, Samsun, Turkey, 18 - 19 December 2021
- XVIII. **The effects of biochar on soil biological properties: A review**  
MAQBOOL N., KIZILKAYA R., ANDONOV A., RAHMAN M. M.  
INTERNATIONAL SOIL SCIENCE SYMPOSIUM on SOIL SCIENCE & PLANT NUTRITION (6th International Scientific Meeting), Samsun, Turkey, 18 December 2021, pp.152-155
- XIX. **Composting with microorganisms: to improve available nutrient contents in sustainable soil management**  
RAHMAN M. M., KIZILKAYA R., MAQBOOL N., GÜLSER C.  
INTERNATIONAL SOIL SCIENCE SYMPOSIUM on SOIL SCIENCE & PLANT NUTRITION (6th International Scientific Meeting), Samsun, Turkey, 18 - 19 December 2021, pp.35-39
- XX. **Role of Metal-Based Nanomaterials in Plant Growth**

AMIN H., MINKINA T., SUSHKOVA S., RAJPUT V. D., KUMARI A., DENGİZ O., GÜLSER C., KIZILKAYA R.  
International Soil Science Symposium on "SOIL SCIENCE & PLANT NUTRITION" 18 - 19 December 2021 /  
Samsun, Turkey, Turkey, 18 December 2021, vol.1, pp.98-102

- XXI. **Türkiye’de Topraksız Üretim Yapan İşletmelerde Atık Suların Yeniden Kullanımı**  
TÜRKTE H., YILDIRIM Ç., CEYHAN V., KIZILKAYA R., ŞİMŞEK A., Özkartal D., Özkartal Ö.  
XIV. ULUSAL TARIM EKONOMİSİ KONGRESİ, Aydın, Turkey, 15 September 2021
- XXII. **The influence of sample preparation techniques on results of extraction of heavy metals from soil**  
Burachevskaya M., Minkina T., Mandzhieva S., Cicuashvili V., Fedorenko E., Pogonyshv P., Coskun G., Kizilkaya R.  
2020 International Symposium on Earth Sciences: History, Contemporary Issues and Prospects, ESHCIP 2020,  
Moscow, Russia, 10 March 2020, vol.579
- XXIII. **Impact of the Covid-19 Pandemic in Higher Education: Case Study on Distance Education at Ondokuz  
Mayıs University, Turkey**  
KAWAMORITA H., ALTUN E., KIZILKAYA R.  
Conference: Information Systems and Communication Technologies in the Modern Educational Process. IV  
International Scientific and Practical ConferenceAt: Perm, Russia, Perm, Russia, 1 - 03 November 2020
- XXIV. **Content of heavy metals in Haplic Chernozem under conditions of agrogenesis**  
Medvedeva A., Buryukova O., Kucherenko A., Ilchenko Y., Chaplygin V., Rajput V. D., Kizilkaya R.  
Actual Problems of Ecology and Environmental Management - Cooperation for Sustainable Development and  
Environmental Safety (APEEM), Moscow, Russia, 23 - 25 April 2020, vol.169
- XXV. **Plant Growth Promoting Actinobacteria From Halophyte Plant Roots**  
AY H., SAYGIN H., KIZILKAYA R., ŞAHİN N.  
III.INTERNATIONAL EURASIANAGRICULTURE AND NATURALSCIENCES CONGRESS, Antalya, Turkey, 17 - 20  
October 2019
- XXVI. **Domates Kompostu Uygulamasının Domates Bitkisinin Mikro Element İçeriğine Etkisi**  
DURMUŞ M., KIZILKAYA R.  
5th International Eurasian Congress on Natural Nutrition,Healthy Life Sport, 2 - 06 October 2019
- XXVII. **Plant growth promoting actinobacteria from halophyte plant roots. 17-20 October 2019 Antalya,  
Turkey. (Sözlü Sunum)**  
AY H., SAYGIN H., KIZILKAYA R., ŞAHİN N.  
III. International Eurasian Agriculture And Natural Sciences Congress, Antalya, Turkey, 17 - 19 October 2019,  
pp.223-231
- XXVIII. **CHANGES IN SOME SOIL PROPERTIES OF HAZELNUT ORCHARD SOILS WITH FERTILIZATION**  
KIZILKAYA R., GÜLSER C., GÖKÇE C., AY A.  
10th International Soil Congress 2019 "Successful Transformation toward Land Degradation Neutrality: Future  
Perspective", 17 - 19 June 2019
- XXIX. **EFFECT OF TEA WASTE APPLICATION ON SOIL PHYSICAL PROPERTIES**  
GÜLSER C., KIZILKAYA R., DENGİZ O.  
Key Concepts of Soil Physics: Development, Current Applications and Future Prospects, 27 - 31 May 2019, pp.63-  
67
- XXX. **Effects of lime content on soil mechanical properties**  
GÜLSER C., DENGİZ O., KIZILKAYA R.  
International Conference on Key Concepts on Soil Physics : Development, Current Applications and Future  
Prospects, Moscow, Russia, 27 - 31 May 2019, pp.58-62
- XXXI. **Effects of tea applications on soil physical properties**  
GÜLSER C., KIZILKAYA R., DENGİZ O.  
International Conference on Key Concepts on Soil Physics : Development, Current Applications and Future  
Prospects, Moscow, Russia, 27 - 31 May 2019, pp.63-67
- XXXII. **The effects of Azotobacter chroococcum inoculation to soil on aggregation**  
KIZILKAYA R.  
International Conference on Key Concepts on Soil Physics : Development, Current Applications and Future  
Prospects, Moscow, Russia, 27 - 31 May 2019, pp.302-306

- XXXIII. **Karadeniz Bölgesinde fındık yetiştirilen toprakların bazı fizikokimyasal özellikleri**  
GÜLSER C., KIZILKAYA R., AY A., GÖKÇE C., ELİF T.  
The 2nd International UNIDOKAP Black Sea Symposium on BIODIVERSITY, Samsun, Turkey, 28 - 30 November 2018, pp.275-280
- XXXIV. **Some physicochemical properties of hazelnut grown soils in Black Sea region of Turkey**  
GÜLSER C., KIZILKAYA R., AY A., GÖKÇE C., TOPTAN E.  
The 2nd International UNIDOKAP Black Sea Symposium on BIODIVERSITY, Samsun, Turkey, 28 - 30 November 2018, pp.275-280
- XXXV. **KARADENİZ BÖLGESİNDE FINDIK YETİŞTİRİLEN TOPRAKLARIN BAZI FİZİKOKİMYASAL ÖZELLİKLERİ**  
GÜLSER C., KIZILKAYA R., AY A., GÖKÇE C.  
The 2nd International UNIDOKAP Black Sea Symposium on BIODIVERSITY, Samsun, Turkey, 28 - 30 November 2018
- XXXVI. **Urease enzyme activity in a sandy clay loam soil outflow solution influenced by organic waste addition**  
GÜLSER C., KIZILKAYA R., GÜLSER F.  
10th International Soil Science Congress on "Environment and Soil Resources Conservation", ALMATY, Kazakhstan, 17 - 19 October 2018, pp.421-426
- XXXVII. **Vermiremoval of zinc in various composition of feed mixtures by utilising Eisenia foetida**  
KIZILKAYA R.  
10th International Soil Science Congress on "Environment and Soil Resources Conservation", ALMATY, Kazakhstan, 17 - 19 October 2018, pp.393-400
- XXXVIII. **Microbiological properties in a soil with addition of *Philoscia muscorum* and wheat straw**  
AKÇA İ., DURMUŞ M., KIZILKAYA R.  
10th International Soil Science Congress on "Environment and Soil Resources Conservation", ALMATY, Kazakhstan, 17 - 19 October 2018, pp.303-305
- XXXIX. **Microbiological properties in a soil with addition of *Philoscia muscorum* and wheat straw**  
AKÇA İ., DURMUŞ M., KIZILKAYA R.  
International Soil Science Congress on "Environment and Soil Resources Conservation, 17 - 19 October 2018
- XL. **Approbation of the metod of extraction of polyaromatic hydrocarbons with subcritical water from the chermnozeme of ordinary**  
Sushkova S. N., Minkina T. M., Mandzhieva S. S., Antonenko E., KIZILKAYA R., ORLOVIC LEKO P.  
International Scientific Conference on "Modern State of Chernozems", ROSTOV-ON-DON, Russia, 24 - 28 September 2018, vol.2, pp.16-22
- XLI. **Accumulation and distribution of benzo(a)pyrene in the territory affected by Novocherkasskaya Power Station**  
Deryabkina I., Antonenko E., Sushkova S., Minkina T., Gimp A., AKÇA İ., KIZILKAYA R.  
International Conference on "Modern technologies of biodiversity and plant breeding", Rostov-on-Don, Russia, 17 - 21 October 2017, pp.138-139
- XLII. **PAHs bioaccumulation in Chernozem soil of the model experiment with spring barley**  
SUSHKOVA S., MINKINA T., DERYABKINA I., GIMP A., ANTONENKO E., AKÇA İ., KIZILKAYA R.  
International Conference on "Modern technologies of biodiversity and plant breeding", Rostov-on-Don, Russia, 17 - 21 October 2017, pp.182-183
- XLIII. **Nitrogen fixation capacity of indigenous *Azotobacter chroococcum* strains isolated from Anatolian soils and their usage potential in organic farming**  
KIZILKAYA R., SUSLENKOVA M., BYKOVA G., GÜLSER C.  
Organic Agriculture for Agrobiodiversity Preservation. 3rd International Conference Agrobiodiversity, Novi-Sad, Serbia, 1 - 03 June 2017, pp.94
- XLIV. **Effects of tobacco waste application on yield and nutrient uptakes by barley**  
GÜLSER C., GÜLSER F., KIZILKAYA R.  
Organic Agriculture for Agrobiodiversity Preservation. 3rd International Conference Agrobiodiversity, Novi-Sad, Serbia, 1 - 03 June 2017, pp.66

- XLV. The effects of tea waste on microbiological properties of maize rhizosphere**  
KIZILKAYA R., GÜLSER C.  
Organic Agriculture for Agrobiodiversity Preservation. 3rd International Conference Agrobiodiversity, Novi-Sad, Serbia, 1 - 03 June 2017, pp.103
- XLVI. Effects of organic wastes applications on dehydrogenase activity in soils having different pH levels**  
ÖZDEMİR N., GÜLSER C., KIZILKAYA R., KOP DURMUŞ Ö. T., EKBERLİ İ.  
International Conference on Agriculture, Forest, Food Sciences and Technologies, Kapadokya, Turkey, 15 - 17 May 2017, pp.1027
- XLVII. The effect of foliar fertilizer produced from biogas waste on yield and protein content of wheat**  
GÜLSER C., KIZILKAYA R., KÜREN N., OY G., YALÇIN U.  
International Conference on Agriculture, Forest, Food Sciences and Technologies, Kapadokya, Turkey, 15 - 17 May 2017, pp.260
- XLVIII. Chemical Attributes in Soil Quality for Sustainable Land Management**  
GÜLSER C., KIZILKAYA R., MINKINA T., SUSHKOVA S.  
International Conference on Agriculture, Forest, Food Sciences and Technologies, Kapadokya, Turkey, 15 - 17 May 2017, pp.261
- XLIX. Effect of different organic wastes on urease activity of maize (*Zea mays indendata*) rhizosphere and root free soil**  
KIZILKAYA R., Sushkova S., Minkina T., GÜLSER C.  
6th International Symposium on Agricultural Science, AGRORES, 2017, Banja Luka, Bosnia And Herzegovina, 27 February - 02 March 2017, pp.135
- L. Yield response of wheat and changes of microbial activities in indigenous *Azotobacter chroococcum* inoculated soils with different plant residue application**  
KIZILKAYA R.  
6th International Symposium on Agricultural Sciences "AgroReS 2017", Banja Luka, Bosnia And Herzegovina, 27 February - 02 March 2017, pp.135
- LI. Identification of fungal communities from composting hazelnut husk**  
KIZILKAYA R.  
6th International Symposium on Agricultural Sciences "AgroReS 2017", Banja Luka, Bosnia And Herzegovina, 27 February - 02 March 2017, pp.134
- LII. Effect of different organic wastes on urease activity of maize (*zea mays indendata*) rhizosphere and root free soils**  
KIZILKAYA R., SUSHKOVA S., MINKINA T., GÜLSER C.  
6th International Symposium on Agricultural Sciences "AgroReS 2017", Banja Luka, Bosnia And Herzegovina, 27 February - 02 March 2017, pp.135
- LIIL. Yield response of wheat and changes of microbial activities in indigenous *A. chroococcum* inoculated soils with different plant residues application**  
DURMUŞ M., KIZILKAYA R., KOP DURMUŞ Ö. T., KUSSAİNOVA M., SUSHKOVA S.  
EUROSOİL 2016, 16 - 21 October 2016
- LIV. Soil microbiological properties in a soil with addition of *Philoscia muscorum***  
AKÇA İ., KIZILKAYA R., DURMUŞ M.  
EUROSOİL 2016, 16 - 21 October 2016
- LV. Soil microbiological properties in a soil with addition of *Philoscia muscorum***  
AKÇA İ., KIZILKAYA R., DURMUŞ M.  
EUROSOİL 2016, İstanbul, Turkey, 16 - 21 October 2016, pp.401
- LVI. Microbiological properties of solonetz and risky solonetz soils in Bafra Delta Plain Turkey**  
TOPRAK T., KIZILKAYA R.  
EUROSOİL 2016, İstanbul, Turkey, 16 - 21 October 2016, pp.402
- LVII. Changes in microbial activities during vermicomposting of anaerobically digested sewage sludge with hazelnut husk and cow manure by earthworm *Eisenia foetida***  
HEPŞEN TÜRKAY F. Ş., KIZILKAYA R.



EUROSOIL 2016, İstanbul, Turkey, 16 - 21 October 2016, pp.228

- LVIII. PHYSICAL ATTRIBUTES IN SOIL QUALITY FOR SUSTAINABLE SOIL MANAGEMENT**  
GÜLSER C., KIZILKAYA R.  
VII Intr. Sci. Agr. Sym. AgroSym 2016, Jahorina, Bosnia And Herzegovina, 6 - 09 October 2016, pp.2200-2204
- LIX. EFFECT OF DIFFERENT ORGANIC WASTES ON MICROBIAL PROPERTIES OF MAIZE Zea Mays Indendata RHIZOSPHERE AND ROOT FREE SOIL**  
KIZILKAYA R., GÜLSER C.  
VII International Sci. Agr. Sym. AgroSym 2016, Jahorina, Bosnia And Herzegovina, 6 - 09 October 2016, pp.2052-2058
- LX. Physical attributes in soil quality for sustainable soil management**  
GÜLSER C., KIZILKAYA R.  
VII International Scientific Agriculture Symposium, JAHORİNA, Bosnia And Herzegovina, 6 - 09 October 2016, pp.883
- LXI. Effects of different organic wastes on microbial properties of Maize Zea Mays Indendata rhizosphere and root free soil**  
KIZILKAYA R., GÜLSER C.  
VII International Scientific Agriculture Symposium, JAHORİNA, Bosnia And Herzegovina, 6 - 09 October 2016, pp.854
- LXII. Express method of benzo a pyrene extraction from antropogenic landscape soil**  
SUSHKOVA S., MİNKİNA T., MANDZHİEVA S., BAUER T., NEDİMOVSKAYA D., KIZILKAYA R.  
International Scientific Conference on Applied Sciences, Antalya, Turkey, 27 - 30 September 2016, pp.203
- LXIII. Effectiveness of organiz wastes as fertilizer on urease activity of maize rhizosphere**  
KIZILKAYA R., SUSHKOVA S.  
International Scientific Conference on Applied Sciences, Antalya, Turkey, 27 - 30 September 2016, pp.34
- LXIV. Benzo a pyrene accumulation in soils of technogenic emission zone by subcritical water extraction method**  
SUSHKOVA S., MİNKİNA T., KIZILKAYA R., MANDZHİEVA S., BATUKAEV A., BAUER T., GÜLSER C.  
European Geosciences Union General Assembly 2016, VİYANA, Austria, 17 - 22 April 2016, vol.18, pp.957
- LXV. Effects of hazelnut husk compost application on soil quality parameters in hazelnut orchards in Turkey**  
KIZILKAYA R.  
European Geosciences Union General Assembly 2016, VİYANA, Austria, 17 - 22 April 2016, vol.18, pp.1797
- LXVI. Effects of Azotobacter chroococcum inoculation with different organic wastes on yield of spring wheat Triticum aestivum L**  
DURMUŞ M., KIZILKAYA R.  
International Scientific and Research Content "Baitursynov Readings 2016", Kostanay, Kazakhstan, 15 April 2016, vol.3, pp.288-292
- LXVII. IMPROVING THE AGRICULTURAL DECISIONS USING REMOTE SENSING AND LAND OBSERVATION BASED DECISION SUPPORT SYSTEM**  
CEYHAN V., KIZILKAYA R., AKÇA İ., DEMİRİSOY H., CEMEK B., KÖKSAL E. S.  
Science, production, business: contemporary state and ways of innovative development of the country, 15 April 2016
- LXVIII. Biological attributes in soil quality for sustainable land management**  
GÜLSER C., KIZILKAYA R.  
International Scientific and Research Content "Baitursynov Readings 2016", Kostanay, Kazakhstan, 15 April 2016, vol.3, pp.292-295
- LXIX. MACRO NUTRIENT CONTENTS AND SOME SOIL PROPERTIES ALLOCATED TO WHEAT PRODUCTION IN MERZİFON TURKEY**  
KIZILKAYA R., AKÇA İ., Ceyhan V., CEMEK B., KÖKSAL E. S., DEMİRİSOY H.  
Science, production, business: contemporary state and ways of innovative development of the country", 15 April 2016, pp.296-301

- LXX. **Improving the agricultural decisions using remote sensing and land observation based decision support system**  
CEYHAN V., KIZILKAYA R., AKÇA İ., DEMİRİSOY H., CEMEK B., KÖKSAL E. S.  
Science, Production, Business: Contemporary State and Ways of Innovational Development of Country" in Kostanay, Kazakhstan, Kostanay, Kazakhstan, 11 - 14 April 2016, vol.1, pp.274-279
- LXXI. **Improving the agricultural decisions using remote sensing and land observation based decision support system**  
CEYHAN V., KIZILKAYA R., AKÇA İ., DEMİRİSOY H., CEMEK B., KÖKSAL E. S.  
International scientific and research conference, 11 - 15 April 2016
- LXXII. **Hazelnut yield and soil nutrient contents influenced by hazelnut husk compost using microbial biotechnological techniques**  
KIZILKAYA R., AŞKIN T., TARAKÇIOĞLU C., SUSHKOVA S.  
5th International Symposium on Agricultural Sciences "AgroReS 2016", Banja Luka, Bosnia And Herzegovina, 29 February - 03 March 2016, pp.131
- LXXIII. **Effect of organic waste application on outflow electrical conductivity and microbial activity of a coarse textured soil**  
GÜLSER C., MINKINA T., KIZILKAYA R., SUSHKOVA S.  
5th International Symposium on Agricultural Sciences "AgroReS 2016", Banja Luka, Bosnia And Herzegovina, 29 February - 03 March 2016, pp.215
- LXXIV. **BENZO[A]PYRENE CONTENT IN SOIL-PLANT SYSTEM OF MODEL EXPERIMENT: ANALYSIS AND ESTIMATION**  
Sushkova S., Minkina T., Deryabkina (Turina) I., Antonenko E., Kizilkaya R.  
16th International Multidisciplinary Scientific Geoconference (SGEM 2016), Albena, Bulgaria, 30 June - 06 July 2016, pp.39-46
- LXXV. **Microbial biomass in a clay loam soil with addition of *Philoscia muscorum* Isopoda *Philosciidae* and wheat straw**  
AKÇA İ., KIZILKAYA R., DURMUŞ M., Kart A., Durmuş T., Konak S., Pezikoğlu F., Sayın B., Candemir S., Öztürk F. P., et al.  
International Soil Science Congress on "Soil Science in International Year of Soils 2015, Russia, 19 - 23 October 2015, pp.14-16
- LXXVI. **Benzo a pyrene content in soil plant system of technogenic territories analysis and estimation**  
Sushkova S., Minkina T., Turina I., KIZILKAYA R., Gimp A., Monzholo V., Salamova A., AKÇA İ., AKŞİT E.  
International Soil Science Congress on "Soil Science in International Year of Soils 2015, Sochi, Russia, 19 - 23 October 2015, pp.398-401
- LXXVII. **Isolation characterization and genetic identification of natural fungal strains from decomposing hazelnut husk**  
KIZILKAYA R., ŞAHİN N., AŞKIN T., SUSHKOVA S.  
50th Croatian & 10th International Symposium on Agriculture, OPATIJA, Croatia, 16 - 20 February 2015, pp.15
- LXXVIII. **The soil aggregate stability influenced by hazelnut husk compost application main effects of soil texture and sampling period**  
AŞKIN T., AYGÜN S., KIZILKAYA R., TARAKÇIOĞLU C., LE BIHAN-DUVAL E.  
International Soil Science Congress on "Soil Science in International Year of Soils 2015", Sochi, Russia, 19 - 23 October 2015, pp.29-32
- LXXIX. **The soil microbial activities influenced by hazelnut husk compost application**  
KIZILKAYA R., AŞKIN T., TARAKÇIOĞLU C., KOP Ö. T., DURMUŞ M.  
international soil science congress on ' soil science in international year of soils 2015 ', Sochi, Russia, 19 - 23 October 2015, pp.212
- LXXX. **Determination of microbial biomass C and organic c contents in different sizes of natural soil aggregates**  
ERKOÇAK A., KIZILKAYA R.  
International Soil Science Congress on "Soil Science in International Year of Soils 2015", Sochi, Russia, 19 - 23

October 2015, pp.118-121

- LXXXI. **Spatial variation microelements in soils Perm krai**  
MUDRYKH N., SAMOFALOVA I., HAMURCU M., HAKKI E., KIZILKAYA R., AŞKIN T., OLEKHOV V., MİKAİL SOY F.  
International Soil Science Congress on "Soil Science in International Year of Soils 2015", Sochi, Russia, 19 - 23 October 2015, pp.291-294
- LXXXII. **Composting potential of paper mill waste with town waste**  
GÜLSER C., KIZILKAYA R., KARADAYI M. N., KÜREN N., DURMUŞ M.  
International Soil Science Congress on "Soil Science in International Year of Soils 2015", Sochi, Russia, 19 October 2015, pp.152-155
- LXXXIII. **Effects of gyttja on some soil quality parameters**  
SALTALI K., DERELİ N., KIZILKAYA R., ERMİŞ T.  
International Soil Science Congress on "Soil Science in International Year of Soils 2015", Sochi, Russia, 19 - 23 October 2015, pp.363-367
- LXXXIV. **The soil microbial activities influenced by hazelnut husk compost application**  
KIZILKAYA R., AŞKIN T., TARAKÇIOĞLU C., KOP DURMUŞ Ö. T., DURMUŞ M., TAVŞANOĞLU T.  
International Soil Science Congress on "Soil Science in International Year of Soils 2015", Sochi, Russia, 19 - 23 October 2015, pp.212-216
- LXXXV. **Kombu Çayı Kombucha ve Kombu Çayı Üretim Artığı Karışık Mikroorganizma Kültürünün Buğday Bitkisinin Verimi İle Toprakların Dehidrogenaz ve Katalaz Aktivitesi Üzerine Etkisi**  
Durmuş M., Kızılkaya R.  
4. uluslararası katılımlı toprak ve su kaynakları kongresi, Kahramanmaraş, Turkey, 1 - 04 September 2015, pp.1-2
- LXXXVI. **Atık Fındık Zarfından Elde Edilen Yeni Bir Bosea sp FZ88 İzolatının Polifazik Taksonomik Karakterizasyonu**  
TATAR D., VEYİSOĞLU A., KIZILKAYA R., ŞAHİN N., GÖREN M. R., KAYRA M. V.  
4. Ulusal Moleküler Biyoloji ve Biyoteknoloji Kongresi, AFYON, Turkey, 21 - 24 August 2015, pp.88
- LXXXVII. **Microbial biomass C and organic C content of natural soil aggregates**  
ERKOÇAK A., KIZILKAYA R., YAMAN S., YAMAN S.  
9th International Soil Science Congress on "The Soul of Soil and Civilization", Antalya, Turkey, 14 - 16 October 2014, pp.14
- LXXXVIII. **Canopy temperature for peach tree at various soil water contents**  
Septar L., Paltneanu C., Chitu E., Moale C., Demirsoy H., Köksal E. S., Kızılkaya R., Macit İ.  
9th International Soil Science Congress on "The Soul of Soil and Civilization", Antalya, Turkey, 14 - 16 October 2014, pp.121
- LXXXIX. **Estimating soil moisture status in peach tree orchards by using crop water stress index**  
Paltneanu C., Septar L., Moale C., Lamureanu G., Demirsoy H., Köksal E. S., Kızılkaya R., Macit İ.  
9th International Soil Science Congress on "The Soul of Soil and Civilization", Antalya, Turkey, 14 - 16 October 2014, pp.95
- XC. **Changes in microbial biomass soil respiration and enzyme activities in Zn contaminated soil under field condition**  
BAYRAKLI B., KIZILKAYA R.  
9th International Soil Science Congress on "The Soul of Soil and Civilization", Antalya, Turkey, 14 - 16 October 2014, pp.19
- XCI. **Influence of spinosad on soil microbiological characteristics in Albic Luvisol**  
KIZILKAYA R., AKÇA İ., AŞKIN T., SAMOFALOVA I., OLEKHOV V., MUDRYKH N.  
9th International Soil Science Congress on "The Soul of Soil and Civilization", Antalya, Turkey, 14 - 16 October 2014, pp.34
- XCII. **Changes of microbiological properties and yield response of wheat in Actinomadura geliboluensis inoculated soils**  
KUSSAINOVA M., KIZILKAYA R.  
9th International Soil Science Congress on "The Soul of Soil and Civilization", Antalya, Turkey, 14 - 16 October 2014, pp.44

- XCIII. An investigation on the possibilities of using Kombucha Kombu Tea and mix microorganisms culture which are Kombucha production waste in agriculture as microbial fertilizer**  
DURMUŞ M., KIZILKAYA R., APAYDIN S. M. F., KARATAŞ İ.  
9th International Soil Science Congress on "The Soul of Soil and Civilization", Antalya, Turkey, 14 - 16 October 2014, pp.49
- XCIV. Investigation of a novel soil analysis method in agricultural areas of Çarşamba plain for fertilizer recommendation**  
EREN E., ÖKSÜZ Y., KARADAĞ S., ÖZEN S., GEMİCİ Z., KIZILKAYA R.  
9th International Soil Science Congress on "The Soul of Soil and Civilization", Antalya, Turkey, 14 - 16 October 2014, pp.172
- XCIV. The financial feasibility of hazelnut husk and sewage sludge based vermicompost production**  
CEYHAN V., KIZILKAYA R., VESELOVA A., NOVIKOVA K.  
9th International Soil Science Congress on "The Soul of Soil and Civilization", Antalya, Turkey, 14 - 16 October 2014, pp.293
- XCVI. Influence of spinosad on soil microbiological characteristics in Albic Luvisol**  
KIZILKAYA R., AKÇA İ., AŞKIN T., Samofalova I., Olekhov V., Mudrykh N.  
. 9th International Soil Science Congress on "The Soul of Soil and Civilization", Antalya, Turkey, 14 - 16 October 2014, pp.34
- XCVII. Antimicrobial activity of Streptomyces spp isolated from hazelnut husk waste**  
TATAR D., VEYİSOĞLU A., KIZILKAYA R., ŞAHİN N.  
XVII. International Symposium on the Biology of Actinomycetes (ISBA' 17) & Applications and Biotechnology of Actinomycetes, Aydın, Turkey, 8 - 12 October 2014, pp.236
- XCVIII. Atık Fındık Zurefundan Yeni Bir Streptomyces Türünün Polifazik Yöntemlerle Tanımlanması**  
TATAR D., VEYİSOĞLU A., KIZILKAYA R., ŞAHİN N., KAYIHAN C., AKSOY E.  
22. Ulusal Biyoloji Kongresi, Eskişehir, Turkey, 23 - 27 June 2014, pp.1498
- XCIX. Investigation of the benzo a pyrene emission in soils from Novocherkassk Power Station influence zone**  
Sushkova S., Minkina T., Mandzhieva S., Tjurina I., Vasilyeva G., KIZILKAYA R., AŞKIN T., AKÇA İ.  
Proceedings of the International Scientific Conference on "Ecology and Biology of the Soil", 17 - 19 November 2014, pp.188-191
- C. Interaction between heavy metals and soil components**  
Minkina T., Bauer T., Pinski I., Simunic I., Sushkova S., KIZILKAYA R., AŞKIN T., AKÇA İ.  
Proceedings of the International Scientific Conference on "Ecology and Biology of the Soil", 17 - 19 November 2014, pp.313-316
- CI. Concept of soil quality**  
GÜLSER C., KIZILKAYA R.  
Congress on "Actual issues of Science and Agro-Industrial Complex in the European Integration Process", Perm, Russia, 13 - 15 November 2013, vol.1, pp.273-287
- CII. Effects of sewage sludge on microbial biomass and basal respiration of soil and earthworm Lumbricus terrestris cast**  
KIZILKAYA R., GÜLSER C., Dayı Ö., Özbey A. E.  
International Conference on "Current status of chernozems", ROSTOV-ON-DON, Russia, 24 - 26 September 2013, pp.385-389
- CIII. The effect of azadirachtin on microbial biomass and basal respiration in soil**  
KIZILKAYA R., AKÇA İ., AŞKIN T., Samofalova I., Mudrykh N., Olekhov V.  
International Agricultural Conference on "The Development and Implementation of Modern Technologies and Farming Systems for Ensuring the Environmental Safety", Perm, Russia, 3 - 06 July 2013, vol.1, pp.259-266
- CIV. DTPA extractable micronutrients A geostatistical study in Perm Russia**  
AŞKIN T., KIZILKAYA R., SAMOFALOVA I., MUDRYKH N., OLEKHOV V.  
International Agricultural Conference on "The Development and Implementation of Modern Technologies and Farming Systems for Ensuring the Environmental Safety", Perm, Russia, 3 - 06 July 2013, vol.1, pp.211-223

- CV. **Changes in C N ratio and some chemical properties during decomposition of hazelnut husk under field conditions**  
KIZILKAYA R., AŞKIN T., FOTINA O., KILIÇ Y.  
48th Croatian & 8th International Symposium on Agriculture, Dubrovnik, Croatia, 17 - 22 February 2013, pp.83-87
- CVI. **Some physic chemical properties and catalase enzyme activity level of soils formed on two different parent material**  
SAYGIN F., DURMUŞ M., SARIOĞLU F. E., DENGİZ O., KIZILKAYA R.  
Materials of International Scientific – Practical Conference “Rational use of Soil Resources and the Environment”, ALMATY, Kazakhstan, 15 - 16 November 2012, pp.256-260
- CVII. **Soil organic carbon A geostatical approach**  
AŞKIN T., KIZILKAYA R., OLEKHOV V., MUDRYKH N., SAMOFALOVA I.  
Materials of International Scientific – Practical Conference “Rational use of Soil Resources and the Environment”, ALMATY, Kazakhstan, 15 - 16 November 2012, pp.38-44
- CVIII. **The effect of whey application on some growth parameters of maize Zea Mays L Indentata s and the biological properties of soils**  
AKAY A., SERT D., KIZILKAYA R., DURMUŞ M.  
International Biology Congress, Bishkek, Kyrgyzstan, 24 - 27 September 2012, pp.97
- CIX. **Impact of azadirachtin on microbial response variables in soil**  
KIZILKAYA R., AKÇA İ., AŞKIN T., olekhov v., Mudrykh N., Samofalova I.  
The 4th International Congress of the European Confederation of Soil Science Societies (ECSSS). EUROSIL-2012., Bari, Italy, 2 - 06 July 2012, pp.2294
- CX. **Some soil physical properties as related to landscape position A Geostatistical Study**  
AŞKIN T., KIZILKAYA R., TÜRKAY Y., GÖLBAŞI D.  
The 4th International Congress of the European Confederation of Soil Science Societies (ECSSS). EUROSIL-2012, Bari, Italy, 2 - 06 July 2012, pp.1294
- CXI. **Effect of soil contamination with azadirachtin on dehydrogenase and catalase activity of soil**  
KIZILKAYA R., AKÇA İ., AŞKIN T., Olekhov V., Samofalova I., Mudrykh N.  
8th International Soil Science Congress on Land Degradation and Challenges in Sustainable Soil Management, İzmir, Turkey, 15 - 17 May 2012, vol.2, pp.39-44
- CXII. **Soil exchangeable cations A geostatistical study from Russia**  
AŞKIN T., KIZILKAYA R., OLEKHOV V., MUDRYKH N., SAMOFALOVA I., EROĞLU G. B.  
8th International Soil Science Congress on Land Degradation and Challenges in Sustainable Soil Management, ÇEŞME, İZMİR, Turkey, 15 - 17 May 2012, vol.2, pp.53-59
- CXIII. **Alüviyal araziler üzerinde oluşan farklı toprakların katalaz enzim aktivitelerindeki değişimin belirlenmesi**  
DURMUŞ M., ERKOÇAK A., KIZILKAYA R., DENGİZ O., DURSUN G.  
Prof.Dr.Nuri Munsuz Ulusal Toprak ve Su Sempozyumu, Ankara, Turkey, 25 - 27 May 2011, pp.153-159
- CXIV. **Microbial biomass carbon and organic carbon content in soil aggregates from different soil types**  
ERKOÇAK A., DURMUŞ M., KIZILKAYA R., DENGİZ O.  
Ecology of Soil Microorganisms- Microbes as Important Drivers of Soil Processes, PRAQUE, Czech Republic, 27 April 2011 - 01 May 2012, pp.252
- CXV. **Evaluation of different organic materials as a carrier for Azotobacter chroococcum**  
KIZILKAYA R., KHUSSAINOVA O.  
International Conference on “Resource Potential of Soils– The Basis of the Food and Ecological Safety of Russia, Saint Peter, Guernsey And Alderney, 1 - 04 March 2011, pp.314-317
- CXVI. **The spatial variability of arylsulphatase activity A study from agricultural ecosystem**  
AŞKIN T., SINITSYA Y., KIZILKAYA R.  
International Conference on “Resource Potential of Soils– The Basis of the Food and Ecological Safety of Russia, Saint Peter, Guernsey And Alderney, 01 March 2011 - 04 May 2012, pp.324-327
- CXVII. **Effect of different organic wastes on microbiological characteristics of maize Zea Mays Indendata rhizosphere and root free soil**

KIZILKAYA R., KABLAN DELGE N., KOYUNCU T.

International Scientific and Practical Conference on Scientific Support – To Innovative Development of the Agro-Industrial Complex), Perm, Russia, 10 - 11 November 2010, pp.71-76

- CXVIII. **Effect of 3 Different Streptomyces spp. Isolates on Tomato Plant Growth and Root Knot Nematode (*Meloidogyne arenaria*) (Heteroderidae: Tylenchida: Nematoda)**

MENNAN S., AYDINLI G., ŞAHİN N., SAZAK A., KIZILKAYA R.

International Soil Science Congress on "Management of Natural Resources to Sustain Soil Health and Quality", Samsun, Turkey, 26 - 28 May 2010, pp.1086-1091

- CXIX. **Enzyme and earthworm activities during vermicomposting in sewage sludge**

KIZILKAYA R., HEPŞEN Ş., BAYRAKLI F., AŞKIN T., TÜRKMEN C., AKÇA İ., CEYHAN V.

International Soil Science Congress on "Management of Natural Resources to Sustain Soil Health and Quality", Samsun, Turkey, 26 - 28 May 2010

- CXX. **Fındık zurufu ve ahır gübresi ile vermikompostlanmış arıtma çamurunun buğday bitkisinin verim ve Zn Cu ve Ni kapsamına etkisinin belirlenmesi**

KIZILKAYA R., HEPŞEN TÜRKEY F. Ş., BAYRAKLI B., ERKOÇAK A., KOÇ A., OĞUL F. B.

1. Ulusal Toprak ve Su Kaynakları Kongresi, Eskişehir, Turkey, 1 - 04 June 2010, pp.649-655

- CXXI. **Changes of soil microbial biomass C and basal soil respiration in different land use and land cover**

KIZILKAYA R., DENGİZ O., ALPASLAN T., DURMUŞ M., İŞILDAK V., AKSU S.

International Soil Science Congress on Management of Natural Resources to Sustain Soil Health and Quality, Samsun, Turkey, 26 - 28 May 2010, pp.1039-1046

- CXXII. **Effects of different application doses of sewage sludge on microbial biomass C and basal respiration in soil and in earthworm *L. terrestris* L. cast**

HEPŞEN TÜRKEY F. Ş., KIZILKAYA R.

International Soil Science Congress on Management of Natural Resources to Sustain Soil Health and Quality, Samsun, Turkey, 26 - 28 May 2010, pp.1111-1117

- CXXIII. **Isolation characterisation and identification of native *Azotobacter* spp Strains**

KIZILKAYA R., SAZAK ÇAMAŞ A., ŞAHİN N., AKÇADAĞ T., ÇELİK K., TOMUL E., BİREL F. K., GÖKSOY S., ÇOBANOĞLU E. O., KARAKAYA AKÇADAĞ Ç., et al.

International Soil Science Congress on Management of Natural Resources to Sustain Soil Health and Quality, Samsun, Turkey, 26 - 28 May 2010, pp.202-205

- CXXIV. **Effect of zinc contamination with and without sewage sludge on soil dehydrogenase activity**

BAYRAKLI B., KIZILKAYA R.

International Soil Science Congress on Management of Natural Resources to Sustain Soil Health and Quality, Samsun, Turkey, 26 - 28 May 2010, pp.566-572

- CXXV. **Effects of 3 different *Streptomyces* spp isolates on tomato plant growth and root knot nematode *Meloidogyne arenaria* Heteroderidae Tylenchida Nematoda**

MENNAN S., AYDINLI G., ŞAHİN N., SAZAK ÇAMAŞ A., KIZILKAYA R.

International Soil Science Congress on Management of Natural Resources to Sustain Soil Health and Quality, Samsun, Turkey, 26 - 28 May 2010, pp.1086-1091

- CXXVI. **Vermicompost effects on the wheat yield and nutrient contents in soil and plant**

KIZILKAYA R., HEPŞEN TÜRKEY F. Ş., TÜRKMEN C., DURMUŞ M.

International Conference on Soil Fertility and Soil Productivity, Berlin, Germany, 17 - 20 March 2010, pp.146

- CXXVII. **Determination of total and mobile Pb fractions during vermicomposting in sewage sludge**

KIZILKAYA R., HEPŞEN TÜRKEY F. Ş., AKÇA İ., BAYRAKLI B., AŞKIN T., TÜRKMEN C.

International Symposium on Environment – 2009, Bishkek, Kyrgyzstan, 20 - 23 May 2009

- CXXVIII. **The effects of various organic wastes applied into eroded soil on dehydrogenase enzyme activity**

YAKUPOĞLU T., Hepsen S. F., Özdemir N., Kızılkaya R.

2nd International Conference on Environmental, Industrial and Applied Microbiology, Sevilla, Spain, 28 November - 01 December 2007, pp.97-101

- CXXIX. **Effects of different application doses of sewage sludge on microbial biomass and CO<sub>2</sub> production of soil and earthworm *Lumbricus terrestris* cast**

HEPŞEN TÜRKAY F. Ş., KIZILKAYA R., ABAMOR E. Ş.

International Meeting on Soil Fertility Land Management and Agroclimatology, KUŞADASI, AYDIN, Turkey, 29 October - 01 November 2008, pp.129

- CXXX. **Pesticides concentration and some quality parameters of surface and underground water in specially protected area of Salt Lake Turkey**  
KÖKSAL E. S., BENLİ B., İLBEYİ A., KIZILKAYA R., ÖZCAN H., ATİLLA G., DENGİZ O.  
Conference on Water Observation and Information Sysytem for Decision Support, BALWOIS 2008, Ohrid, Macedonia, 27 - 31 May 2008
- CXXXI. **The Effect of Varius Organic wastes applied into eroded soil on dehydrogenaz enzym activity**  
YAKUPOĞLU T., ŞUHEDA H., ÖZDEMİR N., KIZILKAYA R.  
Current Research Topics in Aplied Microbiology and Microbial Biotehnology , BioMicroWorld, 2007., 28 November - 01 December 2007
- CXXXII. **B Glucosidase enzyme activity and its relationships with physico chemical properties in Çatalkaya basin Ankara**  
KIZILKAYA R., DENGİZ O., HEPŞEN TÜRKAY F. Ş., BAŞKAN O.  
Ninth Baku International Congress, Energy, Ecology, Economy, Baku, Azerbaijan, 7 - 09 June 2007, pp.54-58
- CXXXIII. **Determination of sewage sludge soil treatments effect on Cu bioaccumulation by earthworms and Cu contents of casts and surrounding soil**  
HEPŞEN TÜRKAY F. Ş., KIZILKAYA R.  
14th International conference of students, PhD students and young scientists, Lomosonov-2007, Moscow, Russia, 10 - 14 April 2007, pp.2-3
- CXXXIV. **Kuzey Anadolu topraklarının mikrobiyolojik özellikleri ile yerli Azotobacter spp suşlarının azot fiksasyon kapasitelerinin belirlenmesi**  
KIZILKAYA R., HEPŞEN TÜRKAY F. Ş., UYGUN B., AY G., AYYILDIZ S.  
Türkiye 3. Organik Tarım Sempozyumu, Yalova, Turkey, 1 - 04 November 2006, pp.94-107
- CXXXV. **The spatial variability of soil dehydrogenase activity a survey in urban soils**  
KIZILKAYA R., AŞKIN T., Armutlu S. M.  
X.Congress of Croatian Society of Soil Science on Soil Functions in the Environment, Shibenik, Croatia, 14 - 17 June 2006, pp.68
- CXXXVI. **Spatial distribution patterns of soil microbial biomass carbon within the pasture**  
KIZILKAYA R., AŞKIN T.  
X.Congress of Croatian Society of Soil Science on Soil Functions in the Environment, Shibenik, Croatia, 14 June 2006 - 17 June 2007, pp.68
- CXXXVII. **The spatial variability of soil dehydrogenase activity A study in pasture soils**  
AŞKIN T., KIZILKAYA R., ÖZDEMİR N.  
International Soil Congress (ISC) on Natural Resource Management for Sustainable Development, Erzurum, Turkey, 7 - 10 June 2004, pp.7-14
- CXXXVIII. **Alkaline phosphatase activity of surface agricultural soils within an urban area**  
KIZILKAYA R., AŞKIN T.  
International Soil Congress (ISC) on Natural Resource Management for Sustainable Development, Erzurum, Turkey, 7 - 10 June 2004, pp.15-21
- CXXXIX. **Microbial biomass carbon and basal soil respiration in soil affected by addition of different organic wastes and earthworm L terrestris**  
EKBERLİ İ., KIZILKAYA R.  
Second Congress of Azerbaijan Soil Science Society on Soil Resources Their Using and Protection, Baku, Azerbaijan, 10 - 14 November 2005, vol.2, pp.419-426
- CXL. **Mısırdaki Borlu Gübrelemenin Verim ve Bor Kapsamına Etkileri. I. Ulusal Bor Çalıştayı Bildiriler Kitabı. 28-29 Nisan, Ankara., 4 / 2005**  
KORKMAZ A., ÖZDEMİR N., GÜLSER C., KIZILKAYA R., HORUZ A.  
TAEK-Ankara, 28 - 29 April 2005
- CXLI. **Fındık ve Mısırdaki Borlu Gübrelemenin verim ve Bor Kapsamına Etkileri**

KORKMAZ A., ÖZDEMİR N., GÜLSER C., KIZILKAYA R., HORUZ A., BİNGÖL İ.

1. Ulusal Bor Çalıştayı, Ankara, Turkey, 28 - 29 April 2005, pp.125-132

- CXLII. **The relationships between heavy metal contents and microbiological characteristics in Bafra and Çarşamba Plain soils**  
KIZILKAYA R., AŞKIN T., BAYRAKLI B., SAĞLAM M., Kaplan İ.  
International Conference on Sustainable Land Use and Management, Çanakkale, Turkey, 10 - 13 June 2002, pp.471
- CXLIII. **Boron application in sugar beet**  
KORKMAZ A., ÖZDEMİR N., GÜLSER C., KIZILKAYA R., HORUZ A., AŞKIN T., YİRMİBEŞOĞLU B.  
The 13th International Symposium of the International Scientific Centre of Fertilizers, Tokat, Turkey, 10 - 13 June 2002, pp.164-172
- CXLIV. **The Relationship between Heavy Metal Contents and Microbiological Characteristics in Bafra and Çarşamba Plain Soils**  
KIZILKAYA R., AŞKIN T., BAYRAKLI B., SAĞLAM M.  
International Conference on Sustainable Land Use and Management, Çanakkale, Turkey, 10 - 13 June 2002, pp.471
- CXLV. **Nutrient contents of pistachio trees *Pistacia vera* L growing in district of Şanlıurfa and the relationship between their microelement deficiency and some soil properties**  
KIZILGÖZ İ., KIZILKAYA R., AÇAR İ., KAPTAN H.  
XI GREMPA Seminar on pistachios and almonds. CIHEAM, 1 - 03 June 2001, vol.56, pp.47-52
- CXLVI. **Total and DTPA extractable heavy metal contents in alkaline risky soils of Çarşamba plain**  
KIZILKAYA R., AŞKIN T., GÜLSER C., GENÇOĞLU S.  
Agroenviron 2000. 2nd International Symposium on New Technologies for Environmental Monitoring and Agro-Applications, Tekirdağ, Turkey, 18 - 20 October 2000, pp.1-7
- CXLVII. **The effects of herbicides 2 4 D on total bacteria and *Bacillus cereus* var *mycoides* growth in soil**  
KIZILKAYA R.  
International Symposium on Desertification, Konya, Turkey, 13 - 17 June 2000, pp.541-546
- CXLVIII. **The effects of inoculation of soil with different numbers of bacteria on aggregation**  
AŞKIN T., GÜLSER C., KIZILKAYA R., ÖZDEMİR N.  
International Symposium on Desertification, Konya, Turkey, 13 - 16 June 2000, pp.242-246
- CXLIX. **Effects of lead and cadmium compounds on soil catalase enzyme activity**  
KARACA A., KIZILKAYA R., HAKTANIR K.  
International Symposium on Desertification, Konya, Turkey, 13 - 16 June 2000, pp.416-421
- CL. **Mısır ve çeltik bitkisine uygulanan tavuk gübresinin amonyum sülfat gübresine eşdeğer miktarının belirlenmesi**  
KORKMAZ A., KIZILKAYA R., HORUZ A., SÜRÜCÜ A.  
Karadeniz Bölgesi Tarım Sempozyumu, Samsun, Turkey, 4 - 05 January 1999, pp.131-140
- CLI. **Samsun ili Kürtün vadisinde yetiştirilen şeftali ağaçlarının demir beslenme durumu**  
HORUZ A., KIZILKAYA R., SÜRÜCÜ A., KORKMAZ A.  
Karadeniz Bölgesi Tarım Sempozyumu, Samsun, Turkey, 4 - 05 January 1999, pp.478-489
- CLII. **Tavuk gübresindeki azotun bitkiye yarayışlı miktarının A değeri tekniği ile belirlenmesi**  
KORKMAZ A., KIZILKAYA R., SÜRÜCÜ A., HORUZ A.  
V.Ulusal Nükleer Tarım ve Hayvancılık Kongresi, Konya, Turkey, 20 - 22 October 1998, pp.3
- CLIII. **Microbiological properties of soils of Harran Plain**  
KIZILKAYA R., KIZILGÖZ İ., ARCAK S., KAPTAN H., RAKICIOĞLU S.  
M. Şefik Yeşilsoy International Symposium on Arid Region Soil. September, MENEMEN, İZMİR, Turkey, 21 - 24 September 1998, pp.569-574
- CLIV. **Farklı organik atıkların toprakların biyolojik özelliklerine ve topraktaki Fe Cu Zn Mn ve Ni yarayışlılığına etkileri**  
SÜRÜCÜ A., KIZILKAYA R., BAYRAKLI F.  
XIV. Ulusal Biyoloji Kongresi, Samsun, Turkey, 7 - 10 September 1998, pp.313-323
- CLV. **Samsun Alaçam orman topraklarının bazı biyolojik ve kimyasal özellikleri**  
KIZILKAYA R., SÜRÜCÜ A., ARCAK S.



XIV.Ulusal Biyoloji Kongresi, Samsun, Turkey, 7 - 10 September 1998, pp.240-254

CLVI. **Samsun yöresi topraklarında Zn Cd oranı ve bu oran ile iz element ve ağır metaller Fe Cu Mn Pb Ni arasındaki ilişkiler**

KIZILKAYA R., KARACA A., ARCAK S.

I. Ulusal Çinko Kongresi, Eskişehir, Turkey, 12 - 16 May 1997, pp.501-509

CLVII. **Topraklara ağır metal Cd Pb ilavesinin bazı biyolojik olaylara etkisi**

KARACA A., TURGAY O. C., KIZILKAYA R., HAKTANIR K.

Tarım-Çevre İlişkileri Sempozyumu, Mersin, Turkey, 13 - 15 May 1996, pp.111-121

## Supported Projects

Kızılkaya R., Project Supported by Higher Education Institutions, Çay Fabrikasyon atığının mikrobiyal aşılama ile kompostlanması, 2019 - 2020

Kızılkaya R., Project Supported by Higher Education Institutions, Samsun'da fındık yetiştiriciliği yapılan toprakların biyolojik ve bazı toprak kalite özellikleri, 2017 - 2018

Kızılkaya R., Project Supported by Higher Education Institutions, Farklı su streslerinde yetiştirilen buğday bitkisinde biyogaz atığı kompostunun rizosfer mikrobiyolojisine etkisi, 2017 - 2018

Dengiz O., GÜLSER C., Kızılkaya R., SAMSUN KAVAK İLÇESİ TOPRAK ETÜD VE HARİTALAMA PİLOT SAHA ÇALIŞMASI, 2017 - 2018

Gülser C., Kızılkaya R., TUBİTAK Project, TÜBİTAK TEYDEB 7151286 Biyogaz Üretim Tesisi Atıklarının Tarımsal Amaçlı Kullanımına İlişkin Proses Tekniğinin Geliştirilmesi ve Tarımsal Etkinliğinin Belirlenmesi, 2015 - 2017

Kızılkaya R., TUBİTAK Project, TÜBİTAK TEYDEB 3130992 Toprakta Voltametrik Mikroelement Tayini ile Gübreleme Tavsiye Sistemi Geliştirilmesi, 2014 - 2017

Kızılkaya R., Project Supported by Higher Education Institutions, The 7th International Scientific Agriculture Symposium "Agrosym 2016", 2016 - 2016

Demirsoy H., Akça İ., Kızılkaya R., Project Supported by Public Organizations in Other Countries, Effect of the new generation foliar fertilizer produced nano technological techniques on yield yield parameters and nutrient contents of spring wheat Triticum aestivum in Kazakhstan conditions, 2016 - 2016

Akça İ., Demirsoy H., Köksal E. S., Cemek B., Kızılkaya R., Ceyhan V., KOSGEB, Uzaktan Algılama ve Yer Verilerine Dayalı Yeni Bir Tarımsal Yönetim Sisteminin Geliştirilmesi, 2015 - 2016

Kızılkaya R., TÜBİTAK International Bilateral Joint Cooperation Program Project, TÜBİTAK 1120416 Meyve Ağaçlarının Terbiye ve Fertigasyonunda Yenilikçi Toprak ve Bitki İzleme Teknolojileri Üzerine Bilgi Paylaşımı, 2013 - 2015

Kızılkaya R., TUBİTAK Project, TÜBİTAK TOVAG 1110698 Atık Fındık Zurufunun Mikrobiyal Biyoteknolojik Teknikler İle Kompostlanması, 2012 - 2015

Kızılkaya R., TUBİTAK Project, TÜBİTAK TEYDEB 3090664 Sahada Hızlı Toprak Analizi ve Gübreleme Sulama Tavsiyesi Sistemi, 2010 - 2012

Kızılkaya R., TUBİTAK Project, TÜBİTAK TOVAG 1070128 Fındık zurufu ve arıtma çamurunun solucanlar Eisenia foetida ile kompostlanması elde edilen vermikompostun sera ve tarla koşullarında buğday Triticum aestivum bitkisinin verim ve bazı toksik metal kapsamlarına etkisinin belirlenmesi, 2007 - 2010

Kızılkaya R., TUBİTAK Project, TÜBİTAK TOVAG 1040556 Organik tarımda yerli Azotobacter chroococcum suşlarının kullanım olanaklarının araştırılması ve mikrobiyal gübre üretimi, 2004 - 2009

## Activities in Scientific Journals

Eurasian Journal of Soil Science, First Editor, 2012 - Continues

Toprak Bilimi ve Bitki Besleme Dergisi, First Editor, 2012 - Continues

## Memberships / Tasks in Scientific Organizations

Federation of Eurasian Soil Science Societies, Secretary General, 2012 - Continues, Turkey  
International Union of Soil Science, Member, 1995 - Continues, United States Of America  
Türkiye Toprak Bilimi Derneği, Member, 1995 - Continues, Turkey

## Tasks In Event Organizations

Kızılkaya R., INTERNATIONAL SOIL SCIENCE SYMPOSIUM on SOIL SCIENCE & PLANT NUTRITION (7 th International Scientific Meeting), Scientific Congress, Samsun, Turkey, Aralık 2022  
Kızılkaya R., INTERNATIONAL SOIL SCIENCE SYMPOSIUM on SOIL SCIENCE & PLANT NUTRITION (6 th International Scientific Meeting), Scientific Congress, Samsun, Turkey, Aralık 2021  
Kızılkaya R., 10th International Congress on "The Soil Resources and Environmental Conservation" , Scientific Congress, Almati, Kazakhstan, Ekim 2018  
Kızılkaya R., International Soil Science Congress on "Soil Science in International Year of 2015", Scientific Congress, Sochi, Russia, Ekim 2015  
Kızılkaya R., 9 th International Soil Science Congress on "The Soul of Soil and Civilization", Scientific Congress, Antalya, Turkey, Ekim 2014

## Congress and Symposium Activities

International Conference on Key Concepts on Soil Physics : Development, Current Applications and Future Prospects, Attendee, Moscow, Russia, 2019  
10th International Soil Science Congress on "Environment and Soil Resources Conservation", Session Moderator, Almati, Kazakhstan, 2018  
Organic Agriculture for Agrobiodiversity Preservation. 3rd International Conference Agrobiodiversity, Attendee, Novi-Sad, Serbia, 2017  
VII International Scientific Agriculture Symposium - Agrosym 2016, Attendee, Sarajevo, Bosnia And Herzegovina, 2016  
European Geosciences Union General Assembly 2016, Attendee, Vienna, Austria, 2016  
5th International Symposium on Agricultural Sciences "AgroReS 2016", Attendee, Banja Luka, Bosnia And Herzegovina, 2016  
International Soil Science Congress on "Soil Science in International Year of Soils 2015", Session Moderator, Sochi, Russia, 2015  
50th Croatian & 10th International Symposium on Agriculture, Attendee, Rijeka, Croatia, 2015  
9th International Soil Science Congress on "The Soul of Soil and Civilization", Attendee, Antalya, Turkey, 2014  
International Conference on "Current status of chernozems", Invited Speaker, Rostov, Russia, 2013  
48th Croatian & 8th International Symposium on Agriculture, Attendee, Dubrovnik, Croatia, 2013  
Materials of International Scientific – Practical Conference "Rational use of Soil Resources and the Environment", Attendee, Almati, Kazakhstan, 2012  
8th International Soil Science Congress on Land Degradation and Challenges in Sustainable Soil Management, Attendee, İzmir, Turkey, 2012  
The 4th International Congress of the European Confederation of Soil Science Societies (ECSSS). EUROSIL-2012, Attendee, Bari, Italy, 2012  
International Conference on "Resource Potential of Soils– The Basis of the Food and Ecological Safety of Russia, Attendee, Sankt-Peterburg, Russia, 2011  
International Scientific and Practical Conference on Scientific Support – To Innovative Development of the Agro-Industrial Complex, Attendee, Perm, Russia, 2010  
International Soil Science Congress on Management of Natural Resources to Sustain Soil Health and Quality, Attendee, Samsun, Turkey, 2010  
International Conference on Soil Fertility and Soil Productivity, Attendee, Berlin, Germany, 2010  
International Symposium on Environment – 2009, Attendee, Bishkek, Kyrgyzstan, 2009

International Meeting on Soil Fertility Land Management and Agroclimatology, Attendee, Aydın, Turkey, 2008  
Conference on Water Observation and Information Sysytem for Decision Support, BALWOIS 2008, Attendee, Ohrid, Macedonia, 2008  
2nd International Conference on Environmental, Industrial and Applied Microbiology, Attendee, Sevilla, Spain, 2007  
Türkiye 3. Organik Tarım Sempozyumu, Attendee, Yalova, Turkey, 2006  
X.Congress of Croatian Society of Soil Science on Soil Functions in the Environment, Attendee, Shibenik, Croatia, 2006  
2nd Congress of Azerbaijan Soil Science Society on Soil Resources Their Using and Protection, Attendee, Baku, Azerbaijan, 2005  
International Soil Congress (ISC) on Natural Resource Management for Sustainable Development, Attendee, Erzurum, Turkey, 2004  
International Conference on Sustainable Land Use and Management, Attendee, Çanakkale, Turkey, 2002  
International Symposium on Desertification, Attendee, Konya, Turkey, 2000  
M. Şefik Yeşilsoy International Symposium on Arid Region Soil, Attendee, İzmir, Turkey, 1998  
I. Ulusal Çinko Kongresi, Attendee, Eskişehir, Turkey, 1997  
Tarım-Çevre İlişkileri Sempozyumu, Attendee, Mersin, Turkey, 1996