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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 pahs contaminated soil, Postgraduate, H.HUSSIEN(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 pahs 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 aşılamanın 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. **Role of Hazelnut Husk Compost and Phosphate Solubilizing Bacteria in Improving Productivity and Quality Parameters of Wheat (*Triticum aestivum* L.) and Their Effects on Some Soil Biological Properties**
Rahman M. M., Maqbool N., Ay A., Guelser C., Kızılkaya R.
COMMUNICATIONS IN SOIL SCIENCE AND PLANT ANALYSIS, 2024 (SCI-Expanded)
- II. **Vermicompost Rate Effects on Soil Fertility and Morpho-Physio-Biochemical Traits of Lettuce**
Toor M. D., Ay A., Ullah I., Demirkaya S., Kızılkaya R., Mihoub A., Zia A., Jamal A., Ghfar A. A., Di Serio A., et al.
HORTICULTURAE, vol.10, no.4, 2024 (SCI-Expanded)
- III. **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)
- IV. **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)
- V. **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)
- VI. **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)
- VII. **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)
- VIII. **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)

- IX. **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)
- X. **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)
- XI. **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)
- XII. **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)
- XIII. **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)
- XIV. **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)
- XV. **Chemical contamination in upper horizon of Haplic Chernozem as a transformation factor of its physicochemical properties**
Minkina T. M., Pinskiy 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)
- XVI. **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)
- XVII. **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)
- XVIII. **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)
- XIX. **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)
- XX. **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)

- 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. **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)
- XXIV. **Assessing the impact of azadirachtin application to soil on urease activity and its kinetic parameters**
Kızılkaya R., Samofalova I., Mudrykh N., MİKAILSOY F., Akça İ., Sushkova S., Minkina T.
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.39, no.6, pp.976-983, 2015 (SCI-Expanded)
- XXV. **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., Yilmaz N. D., Kızılkaya R.
ARCHIVES OF AGRONOMY AND SOIL SCIENCE, vol.60, no.11, pp.1565-1575, 2014 (SCI-Expanded)
- XXVI. **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)
- XXVII. **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)
- XXVIII. **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)
- XXIX. **Variables of Microbial Response in Natural Soil Aggregates for Soil Characterization in Different Fluvial Land Shapes**
Dengiz O., Kızılkaya R., Erkokak A., Durmus M.
GEOMICROBIOLOGY JOURNAL, no.2, pp.100-107, 2013 (SCI-Expanded)
- XXX. **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)
- XXXI. **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)
- XXXII. **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)
- XXXIII. **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)
- XXXIV. **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)
- XXXV. **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)
- XXXVI. **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)
- XXXVII. **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)
- XXXVIII. **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)
- XXXIX. **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)
- XL. **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)
- XLI. **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)
- XLII. **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)
- XLIII. **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)
- XLIV. **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)
- XLV. **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)
- XLVI. **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)
- XLVII. **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)
- XLVIII. **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)
- XLIX. **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)
- L. **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)

- LI. **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)
- LII. **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)
- LIIL. **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)
- LIV. **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)
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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

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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 System 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