

Res. Asst. PhD Salih Demirkaya



Personal Information

Office Phone: [+90 362 312 1919](tel:+903623121919) Extension: 1413

Email: salih.demirkaya@omu.edu.tr

Web: <https://avesis.omu.edu.tr/salih.demirkaya>

International Researcher IDs

ScholarID: aroKrRwAAAAJ

ORCID: 0000-0002-7374-0160

ScopusID: 57219272807

Yoksis Researcher ID: 268100



Education Information

Doctorate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Toprak Bilimi Ve Bitki Besleme (Dr), Turkey 2017 - 2020

Postgraduate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Toprak Bilimi Ve Bitki Besleme (YI) (Tezli), Turkey 2013 - 2017

Undergraduate, Ondokuz Mayıs University, Ziraat Fakültesi, Toprak Bilimi ve Bitki Besleme Bölümü, Turkey 2009 - 2013

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Postgraduate, Topraklarda potasyum fiksasyonunun strüktürel gelişime etkisi, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Toprak Bilimi Ve Bitki Besleme (YI) (Tezli), 2017

Research Areas

Soil and Plant Feed, Soil Physics (moisture and hydromechanics, gas content, thermal phenomena), Soil Chemistry (inorganic,organic), Soil Fertility, Acidity, Alkanility

Academic Titles / Tasks

Research Assistant, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, 2017 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **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)
- II. **Soil quality assessment based on hybrid computational approach with spatial multi-criteria analysis and geographical information system for sustainable tea cultivation**
Saygin F., Savsatli Y., Dengiz O., Yazici K., Namli A., Karatas A., Senol N. D., AKÇA M. O., Pacci S., Karapicak B., et al.
JOURNAL OF AGRICULTURAL SCIENCE, vol.161, no.2, pp.187-204, 2023 (SCI-Expanded)
- III. **An assessment of pasture soils quality based on multi-indicator weighting approaches in semi-arid ecosystem**
Karaca S., Dengiz O., Turan I. D., ÖZKAN B., DEDEOĞLU M., Gülser F., Sargın B., Demirkaya S., Ay A.
ECOLOGICAL INDICATORS, 2021 (SCI-Expanded)

Articles Published in Other Journals

- I. **THE EFFECTS OF ORGANIC AND CONVENTIONAL SEEDLING GROWING ON THE QUALITY OF TOMATO SEEDLINGS**
ŞA Z., Çilingir Tütüncü A., DEMİRKAYA S., OZER H.
Anadolu Tarım Bilimleri Dergisi, vol.38, no.3, pp.555-564, 2023 (Peer-Reviewed Journal)
- II. **The Effects of Different Growing Media and Humic Acid Applications on the Growth of Tomato Plants**
YILDIZ B., ÇİLİNGİR TÜTÜNCÜ A., DEMİRKAYA S., ÖZER H., UĞUR A.
Horticultural Studies (HortiS), vol.40, no.2, pp.43-48, 2023 (Peer-Reviewed Journal)
- III. **Buğdayda verim ve verim parametrelerine toprak özelliklerinin etkisi**
DEMİRKAYA S., ÖZTÜRK E.
Toprak Bilimi ve Bitki Besleme Dergisi, vol.10, no.2, pp.159-164, 2022 (Peer-Reviewed Journal)
- IV. **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)
- V. **Estimation and spatial distribution of some soil erodibility parameters in soils of Ilgaz National Park**
Dengiz O., Demirkaya S.
Eurasian Journal of Soil Science, vol.11, no.1, pp.1-9, 2022 (Scopus)
- VI. **The Potassium Fixation Capacities of Different Textural Soils**
Demirkaya S., Gülser C.
Yüzüncü Yıl Üniversitesi Tarım Bilimleri Dergisi, vol.28, no.5, pp.169-175, 2018 (Scopus)
- VII. **Effect of manure on organic carbon content and fractal dimensions of aggregates**
GÜLSER C., Candemir F., Kanel Y., DEMİRKAYA S.
Eurasian Journal of Soil Science, vol.4, no.1, pp.1, 2015 (Peer-Reviewed Journal)

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 Biotechnology Congress, Kayseri, Turkey, 13 - 15 December 2023, pp.18
- II. **USE OF ANCHOVY WASTE PROTEIN HYDROLYSATES AS PLANT BIOSIMULANTS 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

- III. **Effects of pyrolysis temperature and time on biochar production produces**
DEMİRKAYA S., AY A.
International Soil Science Symposium on "SOIL SCIENCE & PLANT NUTRITION" 2 – 3 December 2022 /
Samsun, Türkiye, Samsun, Turkey, 2 - 03 December 2022, pp.249-253
- IV. **Effect of different salt contents in irrigation water on some growth parameters of sorghum plant**
ÖZTÜRK E., DEMİRKAYA S., AY A., GÜLSER C.
International Soil Science Symposium on "SOIL SCIENCE & PLANT NUTRITION" 2 – 3 December 2022 /
Samsun, Türkiye, Samsun, Turkey, 2 - 03 December 2022
- V. **Composting process of organic materials**
AY A., DEMİRKAYA S.
International Soil Science Symposium on "SOIL SCIENCE & PLANT NUTRITION" 2 – 3 December 2022 /
Samsun, Türkiye, Samsun, Turkey, 2 - 03 December 2022
- VI. **The effect of iron enriched acidified and non-acidified biochars on DTPA extractable iron content of a calcareous soil**
DEMİRKAYA S., GÜLSER C., AY A.
International Soil Science Symposium on Soil Science and Plant Nutrition, Samsun, Turkey, 18 - 19 December 2021
- VII. **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
- VIII. **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
- IX. **Effects of Some Agricultural Residues on Soil Mechanical Properties**
GÜLSER C., KARA N., DEMİRKAYA S., CANSIZ G., AZAMI M., ÖZEN S.
10th International Soil Congress 2019 Successful Transformation toward Land Degradation Neutrality: Future
Perspective, Ankara, Turkey, 17 - 19 June 2019, pp.352-356
- X. **Organic Matter Distribution in Aggregate Fractions and Affecting Soil Structural Parameters**
GÜLSER C., DENGİZ O., KIZILKAYA R., DEMİRKAYA S., AY A., GÖKÇE C.
International Soil Congress 2019, 17 - 19 June 2019, vol.1, pp.184-188
- XI. **Comparison of Isotherms Used in the Calculation of Potassium Fixation in a Clay Soil**
DEMİRKAYA S., GÜLSER C.
The 2nd International UNIDOKAP Black Sea Symposium on BIODIVERSITY, 28 - 30 November 2018, pp.19-24
- XII. **Effect of manure on organic carbon contents and fractal dimensions of aggregates**
GÜLSER C., CANDEMİR F., KANEL Y., DEMİRKAYA S.
9th International Soil Science Congress on "The Soul of Soil & Civilization", 14 - 16 October 2014

Metrics

Publication: 22

Citation (WoS): 50

Citation (Scopus): 62

H-Index (WoS): 2

H-Index (Scopus): 2