

## Prof. Selda ÖRS CIRIK

### Personal Information

Office Phone: [+90 442 231 2627](tel:+904422312627)

Web: <https://avesis.atauni.edu.tr/seldaors>

### International Researcher IDs

ScholarID: kW0Sg2QAAAAJ

ORCID: 0000-0001-6789-8642

Publons / Web Of Science ResearcherID: ABB-2387-2020

ScopusID: 36701822700

Yoksis Researcher ID: 118395

### Education Information

Post Doctorate, University of California, Riverside, Department Of Enviromental Science, United States Of America 2012 - 2014

Doctorate, Ataturk University, Fen Bilimleri Enstitüsü, Tarımsal Yapılar Ve Sulama, Turkey 2004 - 2011

Postgraduate, The International Center for Advanced Mediterranean Agronomic Studies-The Mediterranean Agronomic Institute of Bari, Ciheam, Irrigated Agriculture, Italy 2007 - 2009

Postgraduate, Ataturk University, Fen Bilimleri Enstitüsü, Tarımsal Yapılar Ve Sulama, Turkey 2002 - 2004

Undergraduate, Ataturk University, Ziraat Fakültesi, Tarımsal Yapılar ve Sulama, Turkey 1997 - 2001

### Dissertations

Doctorate, Farklı kuruma seviyelerinde eşit, kademeli artan ve azalan su uygulamalarının topraktaki tuz yıkanımı üzerine etkisi , Atatürk Üniversitesi, Ziraat Fakültesi, Tarımsal Yapılar Ve Sulama Bölümü, 2011

Postgraduate, Effect of different quantities mixed flyash and sewage sludge on somephysical ond chemical properties ofsaline-sodic soils, The Mediterranean Agronomic Institute Of Bari, 2009

Postgraduate, Perlit ve toprak karışımlarının bazı fiziksel özellikleri ve bu karışımların çilekte vejetatif gelişme üzerine olan etkileri, Atatürk Üniversitesi, Ziraat Fakültesi, Tarımsal Yapılar Ve Sulama Bölümü, 2004

### Research Areas

Agricultural Sciences, Agriculture, Farm Structures and Irrigation, Irrigation, Drainage

### Academic Titles / Tasks

Professor, Ataturk University, Ziraat Fakültesi, Tarımsal Yapılar ve Sulama, 2022 - Continues

Associate Professor, Ataturk University, Ziraat Fakültesi, Tarımsal Yapılar ve Sulama, 2017 - Continues

Assistant Professor, Ataturk University, Ziraat Fakültesi, Tarımsal Yapılar ve Sulama, 2012 - 2018

Assistant Professor, The University of British Columbia, Environmental Sciences, Institute For Resources, Environment And Sustainability , 2016 - 2017

Assistant Professor, University of California, Riverside, Environmental Sciences, Environmental Sciences, 2012 - 2014

Research Assistant, Ataturk University, Ziraat Fakültesi, Tarımsal Yapılar ve Sulama, 2002 - 2011

## Academic and Administrative Experience

Assistant Coordinator of The Rectorate, Ataturk University, Ziraat Fakültesi, Tarımsal Yapılar Ve Sulama, 2022 - Continues

Rectorate Commissioner, Ataturk University, Ziraat Fakültesi, Tarımsal Yapılar Ve Sulama, 2022 - Continues

Performans Değerlendirme Komisyonu Üyesi, Ataturk University, Ziraat Fakültesi, Tarımsal Yapılar Ve Sulama, 2021 - Continues

Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Ataturk University, Ziraat Fakültesi, Tarımsal Yapılar Ve Sulama, 2020 - Continues

Internship Committee Member, Ataturk University, Ziraat Fakültesi, Tarımsal Yapılar Ve Sulama, 2020 - Continues

Rectorate Commissioner, Ataturk University, Ziraat Fakültesi, Tarımsal Yapılar Ve Sulama, 2018 - Continues

## Courses

Su Kaynaklarının Planlanması, Undergraduate, 2022 - 2023, 2021 - 2022

Arazi Toplulaştırma, Undergraduate, 2020 - 2021

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

- I. **Change in plant growth and some bioactive components of the tomato under water deficit with exogenous chrysin treatment**  
EKİNCİ M., YILDIRIM E., ÖRS S., TURAN M., ŞİMŞEK D., İNCİ Y.  
Turkish Journal of Agriculture and Forestry, vol.48, no.5, pp.760-774, 2024 (SCI-Expanded)
- II. **Fertility and heavy metal pollution in silage maize soil irrigated with different levels of recycled wastewater under conventional and no-tillage practices**  
Yerli C., ŞAHİN Ü., ÖZTAŞ T., ÖRS CİRİK S.  
Irrigation Science, 2024 (SCI-Expanded)
- III. **Growth, physiological, biochemical and DNA methylation responses to cadmium stress of bean (*Phaseolus vulgaris* L) grown under different irrigation levels**  
Yıldırım E., Ağar G., Örs Cırık S., Aslan Yüksel E., Aydın M., Ekinci M., Kul R.  
PLANT GROWTH REGULATION, vol.101, no.2, pp.537-556, 2023 (SCI-Expanded)
- IV. **Improvement of water and crop productivity of silage maize by irrigation with different levels of recycled wastewater under conventional and zero tillage conditions**  
Yerli C., ŞAHİN Ü., ÖRS CİRİK S., KIZILOĞLU F. M.  
AGRICULTURAL WATER MANAGEMENT, vol.277, 2023 (SCI-Expanded)
- V. **Improving salt tolerance of bean (*Phaseolus vulgaris* L.) with hydrogen sulfide**  
EKİNCİ M., Turan M., Ors S., DURSUN A., YILDIRIM E.  
PHOTOSYNTHETICA, vol.61, no.1, pp.25-36, 2023 (SCI-Expanded)
- VI. **Physiological, Morphological and Biochemical Responses of Exogenous Hydrogen Sulfide in Salt-Stressed Tomato Seedlings**  
YILDIRIM E., EKİNCİ M., Turan M., ÖRS CİRİK S., DURSUN A.  
SUSTAINABILITY, vol.15, no.2, 2023 (SCI-Expanded)
- VII. **Determination of cadmium and/or drought stress effects on some plant phytohormone contents and hormone gene expressions in bean (*Phaseolus vulgaris* L)**  
Ekinci M., Yıldırım E., Ağar G., Yuksel E. A., Aydın M., Örs Cırık S., Kul R.  
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.47, no.3, pp.402-411, 2023 (SCI-Expanded)
- VIII. **Physiological and Biochemical Changes of Pepper Cultivars Under Combined Salt and Drought Stress**  
Yıldırım E., Ekinci M., Turan M., Ağar G., Örs Cırık S., Dursun A., Kul R., Akgul G.  
GESUNDE PFLANZEN, vol.74, no.3, pp.675-683, 2022 (SCI-Expanded)

- IX. **Deficit irrigation with wastewater in direct sowed silage maize reduces CO2 emissions from soil by providing carbon savings**  
Yerli C., Şahin Ü., Kızıloğlu F. M., Öztaş T., Örs Cırık S.  
JOURNAL OF WATER AND CLIMATE CHANGE, vol.13, no.7, pp.2837-2846, 2022 (SCI-Expanded)
- X. **Improved water productivity in summer squash under water deficit with PGPR and synthetic methylamine applications**  
Yıldırım E., Ekinci M., Şahin Ü., Ors S., Turan M., Demir İ., Dursun A., Kotan R.  
RHIZOSPHERE, vol.20, 2021 (SCI-Expanded)
- XI. **Interactive effects of salinity and drought stress on photosynthetic characteristics and physiology of tomato (*Lycopersicon esculentum* L.) seedlings**  
Ors S., EKİNCİ M., YILDIRIM E., ŞAHİN Ü., Turan M., DURSUN A.  
SOUTH AFRICAN JOURNAL OF BOTANY, vol.137, pp.335-339, 2021 (SCI-Expanded)
- XII. **Influence of seasonal changes and salinity on spinach phyllosphere bacterial functional assemblage**  
Ibekwe A. M., ÖRS CIRIK S., Ferreira J. F. S., Liu X., Suarez D. L.  
PLOS ONE, vol.16, no.6, 2021 (SCI-Expanded)
- XIII. **The Yield Responses to Crop Bioremediation Practices on Haplustept and Fluvaquent Saline-Sodic Soils**  
GÜNEŞ A., Metin T., Ustun S., Fikretin S., Medine G., ÖZGÜL M., Selda O., Ekrem O.  
COMMUNICATIONS IN SOIL SCIENCE AND PLANT ANALYSIS, no.21, pp.2639-2657, 2020 (SCI-Expanded)
- XIV. **Determination of Physiological Indices and Some Antioxidant Enzymes of Chard Exposed to Nitric Oxide under Drought Stress**  
EKİNCİ M., ÖRS CIRIK S., YILDIRIM E., TURAN M., ŞAHİN Ü., DURSUN A., KUL R.  
RUSSIAN JOURNAL OF PLANT PHYSIOLOGY, vol.67, no.4, pp.740-749, 2020 (SCI-Expanded)
- XV. **Functional relationships between aboveground and belowground spinach (*Spinacia oleracea* L., cv. Racoon) microbiomes impacted by salinity and drought**  
Ibekwe A. M., ÖRS CIRIK S., Ferreira J. F. S., Liu X., Suarez D. L., Ma J., Ghasemimianaei A., Yang C.  
SCIENCE OF THE TOTAL ENVIRONMENT, vol.717, 2020 (SCI-Expanded)
- XVI. **Response of black cumin (*Nigella sativa* L.) to deficit irrigation in a semi-arid region: Growth, yield, quality, and water productivity**  
Özer H., Çoban F., Şahin Ü., Ors S.  
Industrial Crops and Products, vol.144, 2020 (SCI-Expanded)
- XVII. **Nitric oxide mitigates salt stress effects of pepper seedlings by altering nutrient uptake, enzyme activity and osmolyte accumulation**  
Shams M., EKİNCİ M., ÖRS CIRIK S., TURAN M., AĞAR G., Kull R., YILDIRIM E.  
PHYSIOLOGY AND MOLECULAR BIOLOGY OF PLANTS, vol.25, no.5, pp.1149-1161, 2019 (SCI-Expanded)
- XVIII. **Effects of deficit irrigation on essential oil composition and yield of fennel (*Foeniculum vulgare* Mill) in a high-altitude environment**  
Çoban F., Özer H., Ors S., Şahin Ü., Yıldız G., Çakmakçı T.  
Journal of Essential Oil Research, vol.30, no.6, pp.457-463, 2018 (SCI-Expanded)
- XIX. **Effects of individual and combined effects of salinity and drought on physiological, nutritional and biochemical properties of cabbage (*Brassica oleracea* var. capitata)**  
Şahin Ü., Ekinci M., Örs S., Turan M., Yıldız S., Yıldırım E.  
Scientia Horticulturae, vol.240, pp.196-204, 2018 (SCI-Expanded)
- XX. **Effects of Bacteria and Methylamine on Yield and Plant Growth of Squash under Water Stress**  
EKİNCİ M., ÖRS CIRIK S., YILDIRIM E., ŞAHİN Ü., DURSUN A., KOTAN R., Turan M., Demir İ.  
HORTSCIENCE, vol.53, no.9, 2018 (SCI-Expanded)
- XXI. **Mineral Content of Cilantro in the Condition of Combined Drought and Salt Stress**  
Örs Cırık S., Ekinci M., Yıldırım E., Turan M., Şahin Ü., Yıldız H., Dursun A.  
HORTSCIENCE, vol.53, no.9, 2018 (SCI-Expanded)
- XXII. **Spinach biomass yield and physiological response to interactive salinity and water stress**  
Ors S., SUAREZ D. L.

- AGRICULTURAL WATER MANAGEMENT, vol.190, pp.31-41, 2017 (SCI-Expanded)
- XXIII. **Seasonal induced changes in spinach rhizosphere microbial community structure with varying salinity and drought**  
IBEKWE A. M., Ors S., FERREIRA J. F. S., LIU X., SUAREZ D. L.  
SCIENCE OF THE TOTAL ENVIRONMENT, vol.579, pp.1485-1495, 2017 (SCI-Expanded)
- XXIV. **Changes in gas exchange capacity and selected physiological properties of squash seedlings (Cucurbita pepo L.) under well-watered and drought stress conditions**  
Ors S., EKİNCİ M., YILDIRIM E., ŞAHİN Ü.  
ARCHIVES OF AGRONOMY AND SOIL SCIENCE, vol.62, no.12, pp.1700-1710, 2016 (SCI-Expanded)
- XXV. **Salt tolerance of spinach as related to seasonal climate**  
Ors S., SUAREZ D. L.  
HORTICULTURAL SCIENCE, vol.43, no.1, pp.33-41, 2016 (SCI-Expanded)
- XXVI. **Ameliorative effects of plant growth promoting bacteria on water-yield relationships, growth, and nutrient uptake of lettuce plants under different irrigation levels**  
ŞAHİN Ü., EKİNCİ M., KIZILOĞLU F. M., YILDIRIM E., Turan M., KOTAN R., Ors S.  
HortScience, vol.50, no.9, pp.1379-1386, 2015 (SCI-Expanded)
- XXVII. **YIELD, QUALITY AND IRRIGATION WATER USE OF DRIP-IRRIGATED SILAGE MAIZE WITH DIFFERENT IRRIGATION TECHNIQUES**  
Ors S., ŞAHİN Ü., KIZILOĞLU F. M.  
PAKISTAN JOURNAL OF AGRICULTURAL SCIENCES, vol.52, no.3, pp.595-607, 2015 (SCI-Expanded)
- XXVIII. **Responses to the Irrigation Water Amount of Spinach Supplemented with Organic Amendment in Greenhouse Conditions**  
EKİNCİ M., Ors S., ŞAHİN Ü., YILDIRIM E., DURSUN A.  
Communications in Soil Science and Plant Analysis, vol.46, no.3, pp.327-342, 2015 (SCI-Expanded)
- XXIX. **Evaluation of water use and yield responses of drip-irrigated sugar beet with different irrigation techniques**  
ŞAHİN Ü., Ors S., KIZILOĞLU F. M., KUŞLU Y.  
Chilean Journal of Agricultural Research, vol.74, no.3, pp.302-310, 2014 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Mentör Destekli Proje Yazma Eğitimi Sürecinde Mentör İle Menti Arasındaki İletişimin Etkinliğinin Saptanmasına Yönelik Nitel Bir Analiz**  
Örs Cırık S., Akbulut E., Bingöl M., Erdilmen Ocak Ş.  
SOCIAL SCIENCES STUDIES JOURNAL, vol.8, no.98, pp.1847-1854, 2022 (Peer-Reviewed Journal)
- II. **Monitoring Nutrient Uptake of Chard (Beta vulgaris var. cicla L.) Exposed to Exogenously Applied Nitric Oxide under Drought Stress**  
Örs S., Yıldırım E., Ekinci M., Turan M., Dursun A., Şahin Ü.  
Atatürk Üniversitesi Ziraat Fakültesi Dergisi, vol.52, no.2, pp.160-166, 2021 (Peer-Reviewed Journal)
- III. **Effect of different irrigation levels on yield, yield components and water use in fennel (Foeniculum vulgare Mill)**  
Çoban F., Özer H., Şahin Ü., Örs S., Yıldız G.  
Mediterranean Agricultural Sciences, vol.32, no.2, pp.229-235, 2019 (Peer-Reviewed Journal)
- IV. **Water footprint of silage corn, potato, sugar beet and alfalfa in Van Province Van İlinde silajhk mýsŞr, patates, Şeker pancarý ve yoncanýn su ayak İzi**  
Yerli C., Şahin Ü., Kızılođlu F. M., Tüfenkçi Ş., Örs S.  
Yuzuncu Yil University Journal of Agricultural Sciences, vol.29, pp.195-203, 2019 (Scopus)
- V. **Effect of different irrigation levels on yield, yield components and water use in fennel (Foeniculum vulgare Mill)**  
ÇOBAN F., ÖZER H., ŞAHİN Ü., ÖRS CIRIK S., Yıldız G.

- MEDITERRANEAN AGRICULTURAL SCIENCES, vol.32, no.2, pp.1, 2019 (Peer-Reviewed Journal)
- VI. **Effect of different irrigation levels on yield, yield components and water use in fennel(Foeniculum vulgare Mill)**  
Çoban F., Özer H., Şahin Ü., Örs Cırık S., Yıldız G.  
MEDITERRANEAN AGRICULTURAL SCIENCES, vol.32, no.2, pp.1, 2019 (Peer-Reviewed Journal)
- VII. **Impact of Cadmium and Lead Heavy Metal Stress on Plant Growth and Physiology of Rocket (Eruca sativa L.)**  
YILDIRIM E., EKİNCİ M., TURAN M., AĞAR G., ÖRS CIRIK S., DURSUN A., Kul A., Balci T.  
KSU TARIM VE DOGA DERGISI-KSU JOURNAL OF AGRICULTURE AND NATURE, vol.22, no.6, pp.843-850, 2019 (ESCI)
- VIII. **Nitrik Oksit Uygulamalarının Bitkilerde Abiyotik Stres Şartlarına Toleransı Arttırmadaki Etkileri**  
EKİNCİ M., ÖRS S., TURAN M., YILDIRIM E.  
Yüzüncü Yıl Üniversitesi Tarım Bilimleri Dergisi, vol.28, pp.254-265, 2018 (Scopus)
- IX. **Ameliorative Effects of Exogenously Applied Nitric Oxide on Seed Germination and Seedling Growth of Purslane Under Drought and Salinity**  
EKİNCİ M., ÖRS S., TURAN M., KUL R., YILDIRIM E.  
Acta Scientific Agriculture, vol.2, no.12, pp.16-22, 2018 (Peer-Reviewed Journal)
- X. **Kuraklık stresi ve bitki fizyolojisi**  
ÖRS S., EKİNCİ M.  
Derim, vol.32, no.2, pp.237-250, 2015 (Peer-Reviewed Journal)
- XI. **Farklı Kuruma Seviyelerinde Aralıklı Yıkamaların Topraktaki Tuz Dağılımına Etkisi**  
ÖRS S., ANAPALI Ö.  
Atatürk Üniversitesi Ziraat Fakültesi Dergisi, vol.45, no.2, pp.117-124, 2014 (Peer-Reviewed Journal)
- XII. **Yeraltı Suyu Kirliliği Açısından Atık Su Kullanımı**  
ŞAHİN Ü., TUNÇ T., ÖRS S.  
Tarım Bilimleri Araştırma Dergisi, vol.4, no.1, pp.33-39, 2011 (Peer-Reviewed Journal)
- XIII. **EFFECT OF PUMICE AMENDMENT ON PHYSICAL SOIL PROPERTIES AND STRAWBERRY PLANT GROWTH**  
ŞAHİN Ü., ÖRS S., ERCİŞLİ S., ANAPALI Ö., EŞİTKEN A.  
JOURNAL OF CENTRAL EUROPEAN AGRICULTURE, vol.6, no.3, pp.361-365, 2005 (ESCI)

## Books & Book Chapters

- I. **Lahanagil Sebze Türlerinde Sulama Ve Su Stresi**  
EKİNCİ M., ÖRS S., YILDIRIM E.  
in: Farklı Yönleriyle Lahanagiller Üzerine Bilimsel Çalışmalar, Fikret YAAŞAR, ÖZLEM ÜZAL, Editor, IKSAD, pp.181-214, 2023
- II. **Principles of Irrigation Management for Vegetables**  
ÖRS S., ŞAHİN Ü., EKİNCİ M., TURAN M., YILDIRIM E.  
in: Vegetable Crops - Health Benefits and Cultivation., Yildirim, & M. Ekinci, Editor, IntechOpen, Rijeka, pp.1-14, 2022
- III. **Kuraklık Stresi**  
YILDIRIM E., KUL R., EKİNCİ M., ÖRS S., DURSUN A.  
in: Sebzelelerde Stres Toleransı ve Islah Stratejileri., Ellialtıoğlu Şebnem, Daşgan H.Yıldız, Kuşvuran Şebnem, Editor, Gece Kitaplığı Yayınevi, Ankara, pp.66-117, 2021
- IV. **How Abiotic Stress Conditions Affects Plant Roots**  
Kul R., Ekinci M., Turan M., Örs Cırık S., Yıldırım E.  
in: Plant Roots, Yıldırım Ertan, Turan Metin, Ekinci Melek, Editor, IntechOpen, Zagreb, pp.1-24, 2020
- V. **Peat Use in Horticulture**  
KITIR N., YILDIRIM E., ŞAHİN Ü., TURAN M., EKİNCİ M., ÖRS S., KUL R., ÜNLÜ H., ÜNLÜ H.

## Refereed Congress / Symposium Publications in Proceedings

- I. **Mitigating Effect Of Chrysin on Salt Stress in Cucumber (Cucumis sativus L.) Seedling.**  
YILDIRIM E., EKİNCİ M., TURAN M., ÖRS S.  
13 th International Conference On Agriculture, Animal Science And Rural Development, Uşak, Turkey, 28 - 29 November 2023
- II. **Investigation of The Effects of Humic and Fulvic Acid on Plant Growth of Cauliflower Seedlings Grown in Herbicide Contaminated Soil.**  
EKİNCİ M., YILDIRIM E., TURAN M., ÖRS S.  
13 th International Conference On Agriculture, Animal Science And Rural Development, Uşak, Turkey, 28 - 29 November 2023
- III. **Chrysin changes amino acid content of tomato seedlings under salinity stress.**  
EKİNCİ M., YILDIRIM E., TURAN M., ÖRS S.  
11th International Mardin Artuklu Scientific Researches Conference, Mardin, Turkey, 13 - 15 December 2023
- IV. **Chrysin changes amino acid content of tomato seedlings under salinity stress. December 13-15, 2023 / Mardin, Turkiye, ISBN:**  
EKİNCİ M., YILDIRIM E., TURAN M., ÖRS S.  
11th International Mardin Artuklu Scientific Researches Conference, Mardin, Turkey, 13 - 15 December 2023
- V. **A different biostimulant for plant production; wood vinegar.**  
YILDIRIM E., EKİNCİ M., TURAN M., ÖRS S.  
11th International Mardin Artuklu Scientific Researches Conference, Mardin, Turkey, 13 - 15 December 2023
- VI. **Effects of Biostimulant Treatments on Amino Acid Content of Tomato Seedling under Water Deficit**  
EKİNCİ M., TURAN M., ÖRS S., YÜCE M., YILDIRIM E.  
Proceedings of the International Conference on Agriculture. The 9th International Conference on Agriculture 2022 (AGRICO 2022), Sri Lanka, 11 August 2022, vol.7, pp.1-9
- VII. **Drought and Biostimulant Treatments Affected Organic Acid Content of Tomato Seedlings**  
YILDIRIM E., EKİNCİ M., TURAN M., ÖRS S., YÜCE M.  
Proceedings of the International Conference on Agriculture. The 9th International Conference on Agriculture 2022 (AGRICO 2022), 10 August 2022, vol.7, pp.21-28
- VIII. **EFFECTS OF BIOSTIMULANT TREATMENTS ON AMINO ACID CONTENT OF TOMATO SEEDLING UNDER WATER DEFICIT**  
Ekinci M., Turan M., Örs Cırık S., Yüce M., Yıldırım E.  
The 9th International Conference on Agriculture 2022, 10 - 11 August 2022, pp.1-9
- IX. **EFFECTS OF BIOSTIMULANT TREATMENTS ON AMINO ACID CONTENT OF TOMATO SEEDLING UNDER WATER DEFICIT**  
EKİNCİ M., TURAN M., ÖRS S., YÜCE M., YILDIRIM E.  
9th International Conference on Agriculture, 11 - 12 August 2022, vol.7, pp.1-9
- X. **CHANGES IN BEAN PLANT GROWTH IN LEAD-CONTAMINATED SOIL**  
EKİNCİ M., YÜCE M., TURAN M., ÖRS S., YILDIRIM E.  
9th International Conference on Agriculture, 11 August 2022, vol.7, pp.29-33
- XI. **Dopamine, an effective hormone against abiotic stress in plants.**  
EKİNCİ M., YILDIRIM E., TURAN M., ÖRS S.  
AGRO INTERNATIONAL CONFERENCE ON AGRICULTURE, Azerbaijan, 04 June 2022
- XII. **The role of bacterial biofertilizer in the change in mineral content of tomato seedlings under water deficit.**  
YILDIRIM E., TURAN M., EKİNCİ M., ÖRS S.  
AGRO INTERNATIONAL CONFERENCE ON AGRICULTURE, Azerbaijan, 04 June 2022
- XIII. **Effects of Different Soil Tillage Systems and Irrigation Levels on Co2 Emissions from Soil**

YERLİ C., ŞAHİN Ü., KIZILOĞLU F., ÖZTAŞ T., ÖRS S.

ICASI 2021 2nd International and 15th National Congress on Agricultural Structures and Irrigation, Diyarbakır, Turkey, 12 May 2022

- XIV. **Use of vermicompost against abiotic stresses in plants.**  
TURAN M., EKİNCİ M., ÖRS S., YILDIRIM E.  
International Conference on Global Practice of Multidisciplinary Scientific Studies, Cyprus (Kktc), 06 March 2022
- XV. **Effects of Water Quality on some Physiological Properties of Silage Maize (Zea mays) under Different Tillage Practices**  
Yerli C., Şahin Ü., Örs Cırık S., Kızıloğlu F. M., Öztaş T.  
3 RD INTERNATIONAL CONFERENCE ON FOOD, AGRICULTURE AND ANIMAL SCIENCES (ICOFAAS 2021), Erzurum, Turkey, 13 October - 17 December 2021, pp.93-101
- XVI. **Variations in CO<sub>2</sub> Emissions from Field Previously Irrigated with Different Levels of Wastewater under Different Tillage Practices**  
Yerli C., Şahin Ü., Öztaş T., Örs Cırık S., Kızıloğlu F. M.  
3 RD INTERNATIONAL CONFERENCE ON FOOD, AGRICULTURE AND ANIMAL SCIENCES (ICOFAAS 2021), Erzurum, Turkey, 13 - 17 October 2021, pp.102-110
- XVII. **Use of Biochar in Plants under Abiotic Stress**  
YILDIRIM E., EKİNCİ M., ÖRS S.  
2 nd Edition of Global Agriculture Conference May 21- 22, 2021, India, 21 May 2021
- XVIII. **Change of Amino Acid and Organic Acid Content of Pepper Seedlings under Salt Stress with PGPR.**  
YILDIRIM E., EKİNCİ M., ÖRS S.  
2 nd Edition of Global Agriculture Conference May 21- 22, 2021, India, 21 May 2021
- XIX. **Changes in Hydraulic Properties of Bacteria and Sewage Sludge Applied Sandy Soil**  
Şahin Ü., Örs Cırık S., Kotan R., Altun M.  
1st International Congress on Biosystems Engineering , Hatay, Turkey, 24 - 27 September 2019, pp.38
- XX. **Leaf Water Content and Gas Exchange of Melatonin Applied Eggplant Seedlings under Drought Stress**  
Örs Cırık S., Yıldırım E., Şahin Ü., Ekinci M., Altun M.  
1st International Congress on Biosystems Engineering, Hatay, Turkey, 24 - 27 September 2019, pp.41
- XXI. **Amelioration of Saline-sodic Soils with Waste Materials**  
Altun M., Aboubacar Dan Badaou A. N., Şahin Ü., Örs Cırık S.  
International Erciyes Agriculture, Animal & Food Sciences Conference, Kayseri, Turkey, 24 - 27 April 2019, pp.278-282
- XXII. **Water Use of Melatonin Applied Eggplant Seedlings Under Drought Stress**  
Altun M., Örs Cırık S., Yıldırım E., Şahin Ü., Ekinci M.  
International Erciyes Agriculture, Animal & Food Sciences Conference, Kayseri, Turkey, 24 - 27 April 2019, pp.284-288
- XXIII. **Functions of Phytohormones on Plants under Drought and Salt Stress.**  
EKİNCİ M., YILDIRIM E., ÖRS S., KUL R.  
Proceedings of the 2st International Conference on Food, Agriculture and Animal Sciences (ICOFAAS 2019) Antalya, Turkey, 8-11 November 2019, 9 - 11 November 2019
- XXIV. **The Ameliorative Effects of Exogenously Applied Chitosan on Growth and Physiological Parameters of Tomato (Solanum lycopersicum L.) Seedlings- under Drought Stress.**  
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ASHS 2018 Annual Conference Washington DC, United States Of America, 30 July - 03 August 2018

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- XLIV. **Effect of Nitric Oxide Treatments on Plant Growth and Some Physiological and Biochemical Properties in Pepper Grown Under Salinity Stress During Seedling**  
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- LI. **Tuzlu sodyumlu topraklarda kırılma değerlerinin belirlenmesi**  
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- LII. **Toprak neminin belirlenmesi ve takibinde ERT tekniği**  
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**LIII. Bursa İlinin Örtü Altı Üretim Projeksiyonu**

DEMİR B., ÖRS S., İRİK H. A.

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**LIV. Assesment of Konya Greenhouse Projection**

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2nd International Conference on Sustainable Agriculture and Environment (2nd ICSAE), Konya, Turkey, 30 September - 03 October 2015

**LV. Sustainability of Irrigated Agriculture Turkey as a case study**

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**LVI. Saline water irrigation under different drought conditions**

ÖRS S., Suarez D. L.

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**LVII. Bitkilerin kuraklık ve tuzluluğa karşı gösterdikleri fizyolojik reaksiyon ve adaptasyon mekanizmaları**

ÖRS S., EKİNCİ M.

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**LVIII. Salt Tolerance of Spinach As related to Seasonal Climate**

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**LIX. Effects of Organic Fertilizer Applications on Yield Response under Salinity for Spinach Spinacia Oleracea and Celery Root Apium Graveolens**

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**LX. Mikro sulama yöntemlerinde atıksu kullanımı**

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**LXI. İçme suyu standartları ve ambalajlı sularda olması gereken özellikler**

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**LXII. Utulization of wastes in agriculture and legal regulations in Turkey**

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**LXIII. Samsun ili sera potansiyeli**

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**LXIV. İklim Değişikliği Sürecinin Su Niteliği Üzerine Olası Etkileri**

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ANAPALI Ö., ÖRS S.

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## Supported Projects

ÖRS CIRIK S., EU Supported Other Project, Understanding and modeling compound climate and weather events, 2018 - Continues

Örs Cırık S., TÜBİTAK - AB COST Project, Optical synergies for spatiotemporal sensing of scalable ecophysiological traits, 2019 - 2024

YILDIRIM S., ÖRS CIRIK S., NİŞANCI B., BİNGÖL M., ERDİLMEN OCAK Ş., SEÇER KAVASOĞLU Y., KUZU R. K., Project Supported by Higher Education Institutions, Atatürk Üniversitesi Akademisyenlerine Yönelik Mentörlü Proje Yazımı Desteği, 2022 - 2023

Mindivanlı Akdoğan E., Erdilmen Ocak Ş., Örs Cırık S., FP1 Project, Doğadan Sofraya Bilim (Science from Nature to Your Table), 2022 - 2023

Çakıcı M., Örs Cırık S., Özdemir H., H2020 Project, HORIZON-MSCA-2022-European Researcher'Night 2022-2023 Science from Nature your Table (Sci-NURTURE), 2022 - 2023

Yıldırım S., Örs Cırık S., Horizon Europe Project, Science From Nature To Your Table, 2022 - 2023

Yıldırım B., Haşiloğlu M. F., Yıldırım E., Kuzu R. K., Bayrakçeken A., Bilgin Ö. C., Demiral Üzan M., Esenbuğa N., Ekinci M., Erdilmen Ocak Ş., et al., Horizon Europe Project, SCI-Nurture\_ Science From Nature to your Table, 2022 - 2023

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Ekinci M., Yıldırım E., Dursun A., Örs Cırık S., Turan M., TÜBİTAK Project, Hidrojen Sülfid Uygulamasının Domates (*Solanum esculentum* L.) ve Fasulye (*Phaseolus vulgaris* L.)'de Fide Döneminde Tuz Stresi Zararını Azaltıcı Etkilerinin Morfolojik, Fizyolojik ve Biyokimyasal Özellikler Yönünden İncelenmesi, 2021 - 2022

Şahin Ü., Öztaş T., Kızıloğlu F. M., Örs Cırık S., TÜBİTAK Project, Farklı Toprak İşleme-Ekim Koşullarında Silajlık Mısır Yetiştiriciliğinde Arıtılmış Atık Su Düzeylerinin Bitki Ve Toprak Özellikleri İle Co2 Salınımına Etkilerinin Belirlenmesi, 2019 - 2022

EKİNCİ M., ARSLAN E., KUL R., AYDIN M., AĞAR G., YILDIRIM E., ÖRS CIRIK S., Project Supported by Higher Education Institutions, Kadmiyum ve/veya Kuraklık Stresinin Fasulye( *Phaseolus vulgaris*) de Bitki Gelişimi, Fizyolojik, Biyokimyasal Özellikler ile Bazı Bitkisel Hormon Genlerinin mRNA Transkript Seviyeleri, Genomik Kararsızlık ve DNA Metilasyon Değişimlerine Etkisi, 2020 - 2021

Şahin Ü., Örs Cırık S., Yıldırım E., TÜBİTAK Project, Bakteri-Metil Amin Uygulamalarının Farklı Su Kısıtı Seviyelerinde

Yetiştirilen Kabakta Su Kullanım Etkinliği, Verim, Bazı Fizyolojik ve Biyokimyasal Özellikler ile Tohum Kalitesi Üzerine Etkisi, 2017 - 2020

YILDIRIM E., EKİNCİ M., AĞAR G., ÖRS CIRIK S., KUL R., BALCI T., DURSUN A., Project Supported by Higher Education Institutions, Ağır metal stresinin roka Eruca sativa L da bitki gelişimi ve fizyolojisi üzerine etkisi, 2018 - 2018

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Şahin Ü., Ekinci M., Örs Cırık S., Yıldırım E., Dursun A., Project Supported by Higher Education Institutions, Kuraklık Stresi Altında Nitrik Oksit Uygulamalarının Pazıda Bitki Gelişimi, Mineral Madde İçeriği ve Bazı Fizyolojik Özellikler Üzerine Etkileri, 2015 - 2016

Şahin Ü., Örs Cırık S., Turan M., TUBITAK Project, Ülkemizde Yaygın Olarak Bulunan Bazı Büyük Toprak Gruplarında Tuzlu-Alkali Koşullarda Alkalilik Problemlerinin Bioremidasyon Yöntemiyle Islahı, 2013 - 2016

## Activities in Scientific Journals

ATATÜRK UNIVERSITY JOURNAL OF AGRICULTURAL FACULTY, Assistant Editor/Section Editor, 2022 - Continues

Atatürk Üniversitesi Ziraat Fakültesi Dergisi, Assistant Editor/Section Editor, 2019 - Continues

Atatürk Üniversitesi Ziraat Fakültesi Dergisi, Assistant Editor/Section Editor, 2018 - Continues

Atatürk Üniversitesi Ziraat Fakültesi Dergisi, Committee Member, 2018 - Continues

Atatürk Üniversitesi Ziraat Fakültesi Dergisi, Assistant Editor/Section Editor, 2017 - Continues

## Scientific Refereeing

MEDİTERRANEAN AGRICULTURAL SCIENCES (AKDENİZ ÜNİVERSİTESİ ZİRAAT FAKÜLTESİ DERGİSİ), National Scientific Refreed Journal, April 2022

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Ataturk University, Turkey, March 2022

TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Ataturk University, Turkey, March 2022

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TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Ataturk University, Turkey, March 2022

SCIENTIFIC REPORTS, SCI Journal, February 2022

SCIENTIFIC REPORTS, SCI Journal, February 2022

FRONTIERS IN PLANT SCIENCE, SCI Journal, February 2022

GESUNDE PFLANZEN, SCI Journal, December 2021

GESUNDE PFLANZEN, SCI Journal, November 2021

ARID LAND RESEARCH AND MANAGEMENT, SCI Journal, June 2021

Project Supported by Public Organizations in Other Countries, Tarım Bakanlığı, Iran, March 2021

Project Supported by Public Organizations in Other Countries, Tarım Bakanlığı, Iran, March 2021

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Project Supported by Public Organizations in Other Countries, Ataturk University, Turkey, March 2021

TUBITAK Project, 1002 - Quick Support Program, Ataturk University, Turkey, January 2021

## Tasks In Event Organizations

Örs Cırık S., Yıldırım S., TÜBİTAK 3005 Bilgilendirme ve Fikir Dinleme Çalıştayı, Workshop Organization, Turkey, Kasım 2022

Yıldırım S., Nişancı B., Örs Cırık S., Bingöl M., Erdilmen Ocak Ş., Seçer Kavasoglu Y., Gölcügezli S., Kuzu R. K., Edebiyat Fakültesi TÜBİTAK 3005 Bilgilendirme ve Fikir Dinleme Çalıştayı, Workshop Organization, Erzurum, Turkey, Haziran 2022

## **Scientific Research / Working Group Memberships**

Ca19110 / Plasma Applications For Smart And Sustainable Agriculture (Plagri), University of Belgrade, Serbia, <https://www.cost.eu/cost-action/plasma-applications-for-smart-and-sustainable-agriculture/#tabs+Name:Main%20Contacts%20and%20Leadership>, 2021 - Continues

Cost 18107 Climate Change And Bats: From Science To Conservation (Climbats), Universita Degli Studi di Napoli, Italy, <https://www.cost.eu/actions/CA18107/#tabs|Name:management-committee>, 2019 - Continues

Cost Action Ca17134, Optical Synergies For Spatiotemporal Sensing Of Scalable Ecophysiological Traits (Senseco), Universidad Politecnica de Valencia, Spain, <https://www.cost.eu/actions/CA17134/#tabs|Name:overview>, 2019 - Continues

Epigenetic Mechanisms Of Crop Adaptation To Climate Change, Universita Degli Studi di Firenze, Italy, <https://www.cost.eu/actions/CA19125/#tabs|Name:parties>, 2020 - 2024

## **Metrics**

Publication: 125

Citation (WoS): 668

Citation (Scopus): 705

H-Index (WoS): 15

H-Index (Scopus): 13

## **Non Academic Experience**

University of British Columbia, Canada

University of California, Riverside, USA

CHIEAM IAMB/ Italy