

# Prof. Sezai ERCİŐLİ

## Personal Information

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## International Researcher IDs

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Yoksis Researcher ID: 1958

## Education Information

Doctorate, Ataturk University, Fen Bilimleri, Bahe Bitkileri, Turkey 1992 - 1996

Postgraduate, Ataturk University, Fen Bilimleri Enstitüsü, Bahe Bitkileri Anabilim Dalı, Turkey 1990 - 1992

Undergraduate, Ataturk University, Ziraat Fakóltesi, Bahe Bitkileri, Turkey 1985 - 1989

## Research Areas

Agricultural Sciences, Agriculture, Garden Plants, Fruit Breeding and Breeding, Drupaceous Fruits (apricots, plums, cherries, peaches, etc.), Berries, Biotechnology and Genetics

## Academic Titles / Tasks

Professor, Ataturk University, Ziraat Fakóltesi, Bahe Bitkileri, 2006 - Continues

Associate Professor, Ataturk University, Ziraat Fakóltesi, Bahe Bitkileri, 2000 - 2005

Assistant Professor, Ataturk University, Ziraat Fakóltesi, Bahe Bitkileri, 1996 - 2000

## Academic and Administrative Experience

Head of Department, Ataturk University, Ziraat Fakóltesi, Bahe Bitkileri, 2020 - Continues

Vice Rector, Ataturk University, 2016 - 2020

## Courses

Rengârenk Bir Dünya: Meyveler ve Sebzeler, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

## Jury Memberships

Post Graduate, Post Graduate, İğdır Üniversitesi, July, 2020

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

- I. **Simultaneous alleviation of antimony toxicity in rice and in-Vitro bio-accessibility by using biochar and seaweed based fertilizer blend**  
Hassan M. U., Guoqin H., Nawaz M., Shah A. N., Li S., Khan T. A., Al-Anazi K. M., Noor M. A., Rasheed A., Haifang X, et al.  
Environmental Pollution, vol.366, 2025 (SCI-Expanded)
- II. **Breeding for water-use efficiency in wheat: progress, challenges and prospects**  
Hafeez A., Ali S., Javed M. A., Iqbal R., Khan M. N., ÇİĞ F., Sabagh A. E., Abujamel T., Harakeh S., ERCİŞLİ S., et al.  
Molecular Biology Reports, vol.51, no.1, 2024 (SCI-Expanded)
- III. **Unveiling the therapeutic potential of corn silk against hypertension: A critical review**  
Goyal D., Jyoti A., Kaur M., Dhir S., Rasane P., Gunjal M., Kaur S., Ullah R., ERCİŞLİ S., Choudhary R., et al.  
Food Bioscience, vol.62, 2024 (SCI-Expanded)
- IV. **GA-sensitive Rht13 gene improves root architecture and osmotic stress tolerance in bread wheat**  
Khalid M. A., Ali Z., Husnain L. A., Fiaz S., Saddique M. A. B., Merrium S., Attia K. A., ERCİŞLİ S., Iqbal R.  
BMC Genomic Data, vol.25, no.1, 2024 (SCI-Expanded)
- V. **Molecular characterisation of cornelian cherry (*Cornus mas* L.) genotypes**  
Skender A., Đurić G., Assouguem A., ERCİŞLİ S., İLHAN G., Lahlali R., Ullah R., Iqbal Z., Bari A.  
Folia Horticulturae, vol.36, no.2, pp.211-219, 2024 (SCI-Expanded)
- VI. **Exogenous application of salicylic acid ameliorates salinity stress in barley (*Hordeum vulgare* L.)**  
Hanif S., Mahmood A., Javed T., Bibi S., Zia M. A., Asghar S., Naeem Z., ERCİŞLİ S., Rahimi M., Ali B.  
BMC Plant Biology, vol.24, no.1, 2024 (SCI-Expanded)
- VII. **Ameliorating arsenic and PVC microplastic stress in barley (*Hordeum vulgare* L.) using copper oxide nanoparticles: an environmental bioremediation approach**  
Alhaithloul H. A. S., Alghanem S. M. S., Alsudays I. M., Abbas Z. K., Al-Balawi S. M., Ali B., Malik T., Javed S., Ali S., Ercişli S., et al.  
BMC Plant Biology, vol.24, no.1, 2024 (SCI-Expanded)
- VIII. ***Volvariella volvacea* (paddy straw mushroom): A mushroom with exceptional medicinal and nutritional properties**  
Ali S., Yousaf N., Usman M., Javed M. A., Nawaz M., Ali B., Azam M., ERCİŞLİ S., TIRAŞCI S., Ahmed A. E.  
Heliyon, vol.10, no.21, 2024 (SCI-Expanded)
- IX. **Pollen morphology and its taxonomic significance in the genus *euphorbia* L. (*Euphorbiaceae*), from northern Pakistan: Insights for honeybees-plant interactions**  
Shah H., Ahmad M., Zafar M., Farah M. A., Ahmad S., Ullah A., Khan A., Abdullah M., Anwar T., Iqbal R., et al.  
Entomological Research, vol.54, no.11, 2024 (SCI-Expanded)
- X. **Multifaceted roles of zinc nanoparticles in alleviating heavy metal toxicity in plants: a comprehensive review and future perspectives**  
Hassan M. U., Guoqin H., Ahmad N., Khan T. A., Nawaz M., Shah A. N., Rasheed A., Asseri T. A. Y., ERCİŞLİ S.  
Environmental Science and Pollution Research, vol.31, no.52, pp.61356-61376, 2024 (SCI-Expanded)
- XI. **Emergence of microgreens as a valuable food, current understanding of their market and consumer perception: A review**  
Singh A., Singh J., Kaur S., Gunjal M., Kaur J., Nanda V., Ullah R., ERCİŞLİ S., Rasane P.  
Food Chemistry: X, vol.23, 2024 (SCI-Expanded)
- XII. **SEM and LM insights: Spore morphology and its taxonomic significance in Sino Himalayan, Malesian, and European elements of *Pteridaceae***  
Shah S. N., ERCİŞLİ S., Zaman A., Din I. U., Khan F. U., Khan M. N., Iqbal M., Ali B., Okla M. K.  
MICROSCOPY RESEARCH AND TECHNIQUE, vol.87, no.10, pp.2253-2265, 2024 (SCI-Expanded)
- XIII. **Leaf Plant Nutrient Content and Sapling Growth of 'Transvalia' Peach Variety Grafted On *Prunus* Rootstocks**  
Ugur R., Gundesli M. A., Ercisli S., İlhan G., Atli H. S., SÜLÜŞOĞLU DURUL M., Eydurhan S. P., Tanrisever S.  
APPLIED FRUIT SCIENCE, vol.66, no.5, pp.1811-1818, 2024 (SCI-Expanded)
- XIV. **Cooler Is Better: The Role of Temperature in the Reproductive Biology of Persian Walnut (*Juglans regia* L.) Studied in a Hungarian-Bred Cultivar**

Aksic M. F., ERCİŞLİ S., Meland M., Bujdosó G.

APPLIED FRUIT SCIENCE, vol.66, no.5, pp.1963-1976, 2024 (SCI-Expanded)

- XV. **Production Technologies for Recombinant Antibodies: Insights into Eukaryotic, Prokaryotic, and Transgenic Expression Systems**  
Saleem M. Z., Jahangir G. Z., Saleem A., Zulfiqar A., Khan K. A., ERCİŞLİ S., Ali B., Saleem M. H., Saleem A.  
BIOCHEMICAL GENETICS, 2024 (SCI-Expanded)
- XVI. **Chitosan mitigated the adverse effect of Cd by regulating antioxidant activities, hormones, and organic acids contents in pepper (*Capsicum annum* L.)**  
EKİNCİ M., Shams M., Turan M., Ucar S., Yaprak E., ARSLAN YÜKSEL E., AYDIN M., İlhan E., AĞAR G., ERCİŞLİ S., et al.  
Heliyon, vol.10, no.17, 2024 (SCI-Expanded)
- XVII. **Foliar Application of Moringa and Mint Leaf Extracts Enhances Carnation Growth and Flower Yield Under Saline Conditions by Improving Plant Defense Mechanism**  
Muhammad H. M. D., Anjum M. A., Ahmad R., ERCİŞLİ S.  
Journal of Plant Growth Regulation, vol.43, no.9, pp.3254-3264, 2024 (SCI-Expanded)
- XVIII. **Role and genetic diversity of arbuscular mycorrhizal fungi in improving the productivity and enhancing nutrients absorption in chickpea (*Cicer arietinum* L.) genotypes**  
Akbar K., Yaseen T., Abbasi B. A., Iqbal J., Ullah Z., Ijaz S., Mustafa A. E. M. A., Elshikh M. S., ERCİŞLİ S., Harsonowati W., et al.  
GENETIC RESOURCES AND CROP EVOLUTION, 2024 (SCI-Expanded)
- XIX. **Integrating physiological and molecular insights in cotton under cold stress conditions**  
Abro A. A., Qasim M., Abbas M., Muhammad N., Ali I., Khalid S., Ahmed J., Waqas M., ERCİŞLİ S., Iqbal R., et al.  
GENETIC RESOURCES AND CROP EVOLUTION, 2024 (SCI-Expanded)
- XX. **Impact of elevated temperatures on the genetic and morpho-physiological traits of cotton genotypes cultivation**  
Abro A. A., Qasim M., Younas M. U., Ali I., Abbas M., Muhammad N., Khalid S., Ahmed J., Bibi U., Waqas M., et al.  
GENETIC RESOURCES AND CROP EVOLUTION, 2024 (SCI-Expanded)
- XXI. **Impact of Growth-Promoting Endophytic Bacteria on Ginger Plant Growth**  
Jabborova D., Davranov K., Jabbarov Z., Enakiev Y., Abdrakhmanov T., Datta R., Singh S., Jahan M. S., ERCİŞLİ S., Singh N.  
INDIAN JOURNAL OF MICROBIOLOGY, 2024 (SCI-Expanded)
- XXII. **Advancing Agriculture: Harnessing Smart Nanoparticles for Precision Fertilization**  
Munir A., Salah M. A., Ali M., Ali B., Saleem M. H., Samarasinghe K. G. B. A., De Silva S. I. S., Ercişli S., Iqbal N., Anas M.  
BIONANOSCIENCE, vol.14, no.4, pp.3846-3863, 2024 (SCI-Expanded)
- XXIII. **Assessment of Climate Change Impact on Potato-Potato Cropping System Under Semi-arid Environment and Designing of Adaptation Strategies**  
Naz S., Ahmed M., Abbas G., Fatima Z., Hussain S., Iqbal P., Ghani A., Ali M., Awan T. H., Samad N., et al.  
POTATO RESEARCH, 2024 (SCI-Expanded)
- XXIV. **Evaluation of genetic diversity and population structure of the Chinese chestnut (*Castanea mollissima*) by using NR-SSR markers**  
Zulfiqar S., Aslam M. M., Ditta A., Iqbal R., Mustafa A. E. M. A., Elshikh M. S., Uzair M., Aghayeva S., Qasim M., ERCİŞLİ S., et al.  
GENETIC RESOURCES AND CROP EVOLUTION, 2024 (SCI-Expanded)
- XXV. **Genetic Association Among Morpho-Physiological Attributes Against Heat Tolerance in Rice Genotypes**  
Muhu-Din Ahmed H. G., Fatima N., Zeng Y., Hussain M., Mushtaq M. M., Hussain G. S., Akram M. I., Saeed A., Shah A. N., Ali H. M., et al.  
JOURNAL OF CROP HEALTH, 2024 (SCI-Expanded)
- XXVI. **Advances in Physiochemical and Molecular Mechanisms of Abiotic Stress Tolerance in Plants**  
Saleem M. H., Mfarrej M. F. B., Khan K. A., ERCİŞLİ S., Elsharkawy M. M., Fahad S.  
JOURNAL OF CROP HEALTH, no.4, pp.753-767, 2024 (SCI-Expanded)
- XXVII. **Association between social media use and students' academic performance through family bonding**

**and collective learning: The moderating role of mental well-being**

Zhang X., Abbas J., Shahzad M. F., Shankar A., ERCİŞLİ S., Dobhal D. C.

EDUCATION AND INFORMATION TECHNOLOGIES, vol.29, no.11, pp.14059-14089, 2024 (SSCI)

- XXVIII. **Understanding rice blast: investigating biotechnological methods to speed up the development of robust rice cultivars**  
Rajput N., Younas M. U., Qasim M., Memon S. P., Memon S., El-Rahman M. A., Aghayeva S., ERCİŞLİ S., Iqbal R., Zuo S.  
GENETIC RESOURCES AND CROP EVOLUTION, 2024 (SCI-Expanded)
- XXIX. **Putting Biochar in Action: A Black Gold for Efficient Mitigation of Salinity Stress in Plants. Review and Future Directions**  
Gao Z., Ding J., Ali B., Nawaz M., Hassan M. U., Ali A., Rasheed A., Khan M. N., Özdemir F. A., Iqbal R., et al.  
ACS OMEGA, vol.9, no.29, pp.31237-31253, 2024 (SCI-Expanded)
- XXX. **Cytotoxic effects of chloridazon-loaded alginate-chitosan nanocapsules on the 4T1 breast cancer cell line.**  
Babaei S., Kahrizi D., Karimi N., Nosratti I., Arkan E., ERCİŞLİ S., Tahir M.  
International Journal of Radiation Research, vol.22, no.3, pp.739-748, 2024 (SCI-Expanded)
- XXXI. **Analyzing phenotypic diversity in Brassica rapa genotypes based on morpho-physiological characteristics using multivariate analyses**  
Ali N., Qayyum A., Sher A., Nadeem F., Fiaz S., Kumar S., Alharthi B., ERCİŞLİ S.  
Genetic Resources and Crop Evolution, vol.71, no.5, pp.2053-2064, 2024 (SCI-Expanded)
- XXXII. **Functional role of geminivirus encoded proteins in the host: Past and present**  
Ercişli S.  
BIOTECHNOLOGY JOURNAL, vol.19, no.6, pp.1-22, 2024 (SCI-Expanded)
- XXXIII. **Mathematical vs. machine learning models for particle size distribution in fragile soils of North-Western Himalayas**  
Bashir O., Bangroo S. A., Shafai S. S., Shah T. I., Kader S., Jaufer L., Senesi N., Kuriqi A., Omidvar N., Kumar S. N., et al.  
JOURNAL OF SOILS AND SEDIMENTS, vol.24, no.6, pp.2294-2308, 2024 (SCI-Expanded)
- XXXIV. **Phenolic Compounds and Peroxide Parameters of Olive Oils Obtained from Local Varieties**  
Tanrisever S., SAKAR E., ERCİŞLİ S.  
APPLIED FRUIT SCIENCE, vol.66, no.3, pp.1141-1149, 2024 (SCI-Expanded)
- XXXV. **Efficacy of Different Pre and Post Emergence Herbicide Application on Late Sown Maize Crop Under Variable Planting Density**  
Aslam M. T., Maqbool R., Khan I., Chattha M. U., Nawaz M., Shah A. N., Haq M. Z. U., Gulzar M. N., Alqahtani F. M., Hashem M., et al.  
International Journal of Plant Production, vol.18, no.2, pp.229-238, 2024 (SCI-Expanded)
- XXXVI. **Nutritional and bioactive properties and antioxidant potential of Amaranthus tricolor, A. lividus, A viridis, and A. spinosus leafy vegetables**  
Sarker U., Oba S., Ullah R., Bari A., ERCİŞLİ S., Skrovankova S., Adamkova A., Zvonkova M., Mlcek J.  
Heliyon, vol.10, no.9, 2024 (SCI-Expanded)
- XXXVII. **Trapping the genetic variation for yield and yield related attributes in bread wheat under water deficit stress**  
Ahmed H. G. M., Naeem M., Zeng Y., Ullah A., Hussain G. S., Akram M. I., Saeed A., Fatima N., Moez I., Ali H. M., et al.  
EUPHYTICA, vol.220, no.5, 2024 (SCI-Expanded)
- XXXVIII. **Machine learning models for gully erosion susceptibility assessment in the Tensift catchment, Haouz Plain, Morocco for sustainable development**  
Bammou Y., Benzougagh B., Abdessalam O., Brahim I., Kader S., Spalevic V., Sestras P., ERCİŞLİ S.  
Journal of African Earth Sciences, vol.213, 2024 (SCI-Expanded)
- XXXIX. **Analysis of Primary and Secondary Metabolites, Physical Properties, Antioxidant and Antidiabetic Activities, and Chemical Composition of Rosmarinus officinalis Essential Oils under Differential Water Stress Conditions**  
Laftouhi A., Mahraz M. A., Hmamou A., Assouguem A., Ullah R., Bari A., Lahlali R., ERCİŞLİ S., Kaur S., Idrissi A. M., et al.

ACS OMEGA, vol.9, no.14, pp.16656-16664, 2024 (SCI-Expanded)

- XL. **Maturity stages modulate fruit quality, bioactive constituents, and antioxidant activity of *Prunus jenkinsii***  
Rymbai H., Mawlein J., Verma V. K., Dutta S. K., Hazarika S., ERCİŞLİ S., Mishra V. K., Durul M. S.  
Genetic Resources and Crop Evolution, vol.71, no.4, pp.1541-1555, 2024 (SCI-Expanded)
- XLI. **Determination of volatile aroma composition of some hazelnut varieties grown in Akçakoca conditions**  
Unver H., GÜÇER Y., Haliscelik O., Sakar E., Sakar Z. M., Khanahmadi M., ERCİŞLİ S.  
Cellular and Molecular Biology, vol.70, no.2, pp.137-142, 2024 (SCI-Expanded)
- XLII. **Purification, kinetic characterization of thermostable multicopper oxidase from the oyster mushroom and its versatility for greener agro-pulp bio bleaching in the paper industry**  
Kaur M., Sharma S., Kaur I., Sodhi H. S., Choudhary R., ERCİŞLİ S., Fidan H., Dasci E., Ullah R., Bari A.  
Cellular and Molecular Biology, vol.70, no.2, pp.1-9, 2024 (SCI-Expanded)
- XLIII. **Sensory, morphological, biochemical, and antioxidant characteristics of the fruits of different Cactus Pear (*Opuntia ficus-indica* Mill.) genotypes**  
Sakar E., Ercişli S., Durul M. S., Singh M., Anjum M. A., Orhan E., Kan T.  
Genetic Resources and Crop Evolution, vol.71, no.3, pp.1013-1023, 2024 (SCI-Expanded)
- XLIV. **Morphological characterization of 96 wild-grown genotypes of sea buckthorn (*Hippophae rhamnoides* spp.) in eastern Türkiye**  
İlhan G., Ercişli S., Orhan E., Sağbaş H. İ.  
Genetic Resources and Crop Evolution, vol.71, no.2, pp.773-784, 2024 (SCI-Expanded)
- XLV. **Effect of Light Emitting Diodes (LEDs) on Growth, Mineral Composition, and Nutritional Value of Wheat & Lentil Sprouts**  
Momin A., Khatoon A., Khan W., Konoşkan D. B., Aslam M. M., Jamil M., Rehman S. U., Ali B., Kaplan A., Wahab S., et al.  
Phyton-International Journal of Experimental Botany, vol.93, no.6, pp.1117-1128, 2024 (SCI-Expanded)
- XLVI. **Ecosystem Services by Urban Forest (UF) towards Climate Change Adaptation: A Review**  
Rahim N. H., Razak S. A., Chang X., Saun F. C., Khan M. N., Hamzah S. N., Rohman F., Ali B., Kaplan A., Iqbal M., et al.  
Polish Journal of Environmental Studies, vol.33, no.4, pp.3503-3513, 2024 (SCI-Expanded)
- XLVII. **Melatonin: A promising approach to enhance abiotic stress tolerance in horticultural plants**  
Ahmad J., Hayat F., Khan U., Ahmed N., Li J., ERCİŞLİ S., Iqbal S., Javed H. U., Alyas T., Tu P., et al.  
South African Journal of Botany, vol.164, pp.66-76, 2024 (SCI-Expanded)
- XLVIII. **Low-Carbon Jujube Moisture Content Detection Based On Spectral Selection and Reconstruction**  
Li Y., Chen J., Nie J., Li J., ERCİŞLİ S.  
IEEE Internet of Things Journal, 2024 (SCI-Expanded)
- XLIX. **Micromorphological Foliar Screening for Identification of Moraceae Taxa using Light Microscopy (LM) and Scanning Electron Microscopy (SEM) Techniques**  
Hadi F., Jamal U., Khan M. N., Razzaq A., Hayat K., Zaman F., Kaplan A., Ali B., Shah S. N., Iqbal M., et al.  
Polish Journal of Environmental Studies, vol.33, no.4, pp.4141-4152, 2024 (SCI-Expanded)
- L. **Phytochemical screening and antioxidant activity of *Vitex agnus-castus* L.**  
Drioua S., Azalmad H., El-Guourrami O., Ameggouz M., Benkhoulil F. Z., Assouguem A., Kara M., Ullah R., Ali E. A., ERCİŞLİ S., et al.  
OPEN CHEMISTRY, vol.22, no.1, 2024 (SCI-Expanded)
- LI. **Few-shot Learning in Intelligent Agriculture: A Review of Methods and Applications**  
Nie J., Yuan Y., Li Y., Wang H., Li J., Wang Y., Song K., ERCİŞLİ S.  
Tarim Bilimleri Dergisi, vol.30, no.2, pp.216-228, 2024 (SCI-Expanded)
- LII. **Genetic and morphological diversity of introduced cultivars of almonds (*Prunus amygdalus* L.) in Bosnia and Herzegovina**  
Hasanbegović J., Hadžibulić S., Kurtović M., Gaši F., ERCİŞLİ S., Dorbić B., Durul M. S.  
Cellular and Molecular Biology, vol.70, no.7, pp.106-114, 2024 (SCI-Expanded)
- LIII. **Effects of different tillage and residue management systems on soil organic carbon stock and grain yield of rice-wheat double cropping system**

- Ahmad N., Virk A. L., Hafeez M. B., ERCİŞLİ S., Golokhvast K. S., Qi Y., Guo X., Zhang Y., Wang R., Wang X., et al. *ECOLOGICAL INDICATORS*, vol.158, 2024 (SCI-Expanded)
- LIV. **Evaluation of the total phenolic content, sugar, organic acid, volatile compounds and antioxidant capacities of fig (*Ficus carica* L.) genotypes selected from the Mediterranean region of Turkiye**  
Gundesli M. A., Ugur R., Urun I., ERCİŞLİ S., YAŞA KAFKAS N. E., İLHAN G., Spalevic V., Ullah R., Bari A. *HORTICULTURAL SCIENCE*, no.2, pp.111-126, 2024 (SCI-Expanded)
- LIV. **Molecular cloning and characterization of heat-responsive LcOPR1, a gene encoding oxophytodienoic acid reductase in lentil**  
Abu-Romman S., Mbarki S., Al-Momany B., Skalicky M., Brestic M., Alalawy A. I., Pandey S., Alasmari A., Alzuaibr F. M., Sakran M., et al. *Cellular and Molecular Biology*, vol.70, no.7, pp.1-7, 2024 (SCI-Expanded)
- LVI. **Ultrasound-assisted extraction with natural deep eutectic solvent for phenolic compounds recovery from *Rosa damascene* Mill.: Experimental design optimization using central composite design**  
Koraqi H., Aydar A. Y., Khalid W., ERCİŞLİ S., Rustagi S., Ramniwas S., Pandiselvam R. *MICROCHEMICAL JOURNAL*, vol.196, 2024 (SCI-Expanded)
- LVII. **Enhancement of Rice Zinc Content Using Green Synthesized ZnO-NPs by Foliar and Nano-Priming Applications**  
Ahmad N., Ahmad S., Kaplan A. B. U., ERCİŞLİ S., Ahmad M. A., Sokan-Adeaga A. A., Murtaza G., Rizwana H., Almutairi S. M., Iqbal R. *Applied Biochemistry and Biotechnology*, 2024 (SCI-Expanded)
- LVIII. **Production of some Secondary Metabolites of Antibiotic Nature from Mycorrhizal Helper Bacteria (MHB) Associated with Conifers**  
Rasheed Z., Zain A., Hanif M., Amanat R., Ali B., Khan M. N., Fazal U., Almutairi S. M., ERCİŞLİ S., Darwish D. B. E. *Polish Journal of Environmental Studies*, vol.33, no.4, pp.4325-4334, 2024 (SCI-Expanded)
- LIX. **Biochemical profile of *Vaucheria karachiensis* and evaluation of its nutritional, antioxidant, antimicrobial, and hypoglycemic potentials**  
Iqbal A., Imran M., Badshah S. L., Shami A., Ali B., Shah Z., Ayaz M., Alasmari A., Albalawi M. A., Al-Doaiss A. A., et al. *ALGAL RESEARCH-BIOMASS BIOFUELS AND BIOPRODUCTS*, vol.77, 2024 (SCI-Expanded)
- LX. **Eco-Friendly Synthesis of Iron Oxide Nanoparticles from *Bambusa vulgaris* Extract for Enhancing Seed Germination and Physiological Parameters in *Oryza sativa***  
Ahmad S., Ahmad N., Ahmad M. A., Ahmad G., ERCİŞLİ S., Munir I., Mohamed H. I. *Journal of Soil Science and Plant Nutrition*, 2024 (SCI-Expanded)
- LXI. **Deciphering the Role of Phytohormones and Osmolytes in Plant Tolerance Against Salt Stress: Implications, Possible Cross-Talk, and Prospects**  
Hussain S., Hafeez M. B., Azam R., Mehmood K., Aziz M., ERCİŞLİ S., Javed T., Raza A., Zahra N., Hussain S., et al. *Journal of Plant Growth Regulation*, vol.43, no.1, pp.38-59, 2024 (SCI-Expanded)
- LXII. **Tissue culture of walnut (*Juglans* spp.) and obviation of phenolic compounds: A review article**  
Jahanian A., Motallebiazar A., Dadpour M., Rasouli F., Hassanpouraghdam M. B., Buckova M., Mrazkova M., ERCİŞLİ S., Mlcek J. *European Journal of Horticultural Science*, vol.89, no.2, 2024 (SCI-Expanded)
- LXIII. **Exploring genetic diversity of Turkish fig (*Ficus carica* L.) germplasm using inter-Primer Binding Site (iPBS) retrotransposon markers**  
Uçer V. A., Ağlar E., Mortazavi P., Qureshi S. A., Ali A., Tatar M., ALTAF M. T., Bedir M., ERCİŞLİ S., Nadeem M. A., et al. *Genetic Resources and Crop Evolution*, 2024 (SCI-Expanded)
- LXIV. **Incremental Cotton Diseases Detection Based on Aerial Remote Sensing Image and Blockchain Sharding**  
Nie J., Li H., Li Y., Li J., Chao X., Ercişli S. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, vol.17, 2024 (SCI-Expanded)
- LXV. **Atrazine-Induced Toxicity and Biochemical Changes in *Mus musculus*: the Ameliorative Efficacy of**

**Nigella sativa L. (Ranunculaceae) Oil**

Malik S. Y., Arshad M., Batool S., Batool S., Iram F., Batool T., Ali B., Wahab S., Khan M. N., Kaplan A., et al.  
POLISH JOURNAL OF ENVIRONMENTAL STUDIES, vol.33, no.5, pp.5211-5220, 2024 (SCI-Expanded)

- LXVI. **Revealing the effects of amino acid, organic acid, and phytohormones on the germination of tomato seeds under salinity stress**  
KARAKAN F. Y., KAYMAK H. Ç., Akan S., ERCİŞLİ S., Assouguem A., Ullah R., Ali E. A., Fidan H.  
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- LXVII. **Chemical composition and biological activity of essential oil from anise hyssop**  
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- I. **Pomegranate genetic resources from Northeastern part of Turkey**  
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## Supported Projects

ERCİŞLİ S., İLHAN G., Project Supported by Higher Education Institutions, ERZURUM KOŞULLARINDA ISITMASIZ CAM SERA ORTAMINDA YETİŞTİRİLEN BÖĞÜRTLEN ÇEŞİTLERİNDE VERİM VE MEYVE KALİTE ÖZELLİKLERİNİN BELİRLENMESİ, 2021 - 2023

ERCİŞLİ S., AYDIN M., SAĞBAŞ H. İ., Project Supported by Higher Education Institutions, Erzurum İlinde Bulunan Alıç (*Crataegus* spp) Genetik Kaynaklarının ITS Bölgesine Dayalı Olarak Moleküler Karakterizasyonu, 2022 - 2022

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GÜLTEKİN L., ERCİŞLİ S., ÖZTAŞ T., LYAL C. H. C., KOROTYAEV B. A., ALONSO-ZARAZAGA M. A., YILDIRIM E., BULUT Y., SEZEN I., AKPINAR KÜLEKÇİ E., et al., Project Supported by Higher Education Institutions, Atatürk Üniversitesi Biyoçeşitlilik Bilim Müzesi Uygulama Projesi, 2019 - 2021

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## Activities in Scientific Journals

Caucasian Journal of Horticulture, First Editor, 2020 - Continues

## Metrics

Publication: 932

Citation (WoS): 11134

Citation (Scopus): 12275

H-Index (WoS): 55

H-Index (Scopus): 55

## Awards

ErciŐli S., Irakly Sinyagin Bilim ödölü, Rusya Bilimler Akademisi, October 2024