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Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: A-2332-2011

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Education Information

Post Doctorate, Dartmouth College, United States Of America 2018 - 2019

Doctorate, Germany 2010 - 2015

Postgraduate, Yeditepe University, Institute Of Science, Turkey 2008 - 2010

Undergraduate, Middle East Technical University, Turkey 2003 - 2008

Dissertations

Doctorate, Characterization of MTP8 as a tonoplast Fe/Mn transporter essential for Fe efficiency and for Fe and Mn localization in the subepidermis of Arabidopsis embryos, 2015

Postgraduate, Molecular identification and characterization of phytoplasmas causing stolbur disease in potato and tomato plants in Turkey, Yeditepe University, Institute Of Science, 2010

Research Areas

Plant Biology, Plant Physiology, Plant Molecular Genetics

Academic Titles / Tasks

Assistant Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Biology, 2019 - Continues

Assistant Professor, Izmir University Of Economics, Faculty Of Engineering, Department Of Genetics And Bioengineering, 2016 - 2019

Advising Theses

EROĞLU S., A probabilistic assessment of SARS-CoV-2 host interactions in the context of meta-community and urban ecology, Postgraduate, L.NUR(Student), 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Nanomaterial-Based Sensors for Coumarin Detection**
SAYLAN İNCİ Y., Aliyeva N., EROĞLU S., DENİZLİ A.
ACS Omega, vol.9, no.28, pp.30015-30034, 2024 (SCI-Expanded)
- II. **Editorial: Metal transport in plants, volume II**
Clemens S., EROĞLU S., Grillet L., Nozoye T.
Frontiers in Plant Science, vol.15, 2024 (SCI-Expanded)
- III. **Evolution in European and Israeli school curricula—a comparative analysis**
Mavrikaki E., Realdon G., Aivelo T., Bajrami A., Dilek Bakanay Ç., Beniermann A., Blagojević J., Butkeviciene E., Cavadas B., Cossu C., et al.
International Journal of Science Education, vol.46, no.15, pp.1623-1649, 2024 (SSCI)
- IV. **Development of strain-specific SCAR primers to beneficial rhizobacteria *Bacillus subtilis* OSU-142**
EROĞLU S.
Periodicum Biologorum, vol.124, no.1-2, pp.21-27, 2022 (SCI-Expanded)
- V. **Editorial: Metal Transport in Plants**
Clemens S., EROĞLU S., Grillet L., Nozoye T.
Frontiers in Plant Science, vol.12, 2021 (SCI-Expanded)
- VI. **The Conservation of VIT1-Dependent Iron Distribution in Seeds**
EROĞLU S., KARACA N., Vogel-Mikus K., Kavcic A., Filiz E., TANYOLAÇ M. B.
FRONTIERS IN PLANT SCIENCE, vol.10, 2019 (SCI-Expanded)
- VII. **Metal Transport in the Developing Plant Seed**
Eroglu S.
MEMBRANE TRANSPORT IN PLANTS, vol.87, pp.91-113, 2018 (SCI-Expanded)
- VIII. **Genome-wide analysis of gene expression profiling revealed that COP9 signalosome is essential for correct expression of Fe homeostasis genes in Arabidopsis**
Eroglu S., Aksoy E.
BioMetals, vol.30, no.5, pp.685-698, 2017 (SCI-Expanded)
- IX. **Metal Tolerance Protein 8 Mediates Manganese Homeostasis and Iron Reallocation during Seed Development and Germination**
Eroglu S., Giehl R. F. H., Meier B., Takahashi M., Terada Y., Ignatyev K., Andresen E., Kupper H., Peiter E., Von Wiren N.
PLANT PHYSIOLOGY, vol.174, pp.1633-1647, 2017 (SCI-Expanded)
- X. **Genome-wide exploration of metal tolerance protein (MTP) genes in common wheat (*Triticum aestivum*): insights into metal homeostasis and biofortification**
Vatansever R., Filiz E., Eroglu S.
BIOMETALS, vol.30, pp.217-235, 2017 (SCI-Expanded)
- XI. **The Vacuolar Manganese Transporter MTP8 Determines Tolerance to Iron Deficiency-Induced Chlorosis in Arabidopsis**
Eroglu S., Meier B., von Wiren N., Peiter E.
PLANT PHYSIOLOGY, vol.170, no.2, pp.1030-1045, 2016 (SCI-Expanded)
- XII. **ANTIOXIDANT RESPONSES OF PEANUT (*ARACHIS HYPOGAEA* L.) SEEDLINGS TO PROLONGED SALT-INDUCED STRESS**
KAVAS M., Akca O. E., Akcay U. C., Peksel B., Eroglu S., ÖKTEM H. A., Yucel M.
ARCHIVES OF BIOLOGICAL SCIENCES, vol.67, no.4, pp.1303-1312, 2015 (SCI-Expanded)
- XIII. **Bacterial application increased the flow rate of CaCO₃-clogged emitters of drip irrigation system**
Eroglu S., ŞAHİN Ü., Tunc T., Sahin F.
JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.98, pp.37-42, 2012 (SCI-Expanded)
- XIV. **Evaluation of CaCO₃ clogging in emitters with magnetized saline waters**
ŞAHİN Ü., Tunc T., EROĞLU S.
DESALINATION AND WATER TREATMENT, vol.40, no.1-3, pp.168-173, 2012 (SCI-Expanded)
- XV. **Microbial application with gypsum increases the saturated hydraulic conductivity of saline-sodic soils**

Sahin s U., Eroğlu S., Sahin F.

Applied Soil Ecology, vol.48, no.2, pp.247-250, 2011 (SCI-Expanded)

XVI. **Drug Resistant MCF-7 Cell Lines Also Developed Cross-Resistance to Structurally Unrelated Anticancer Agents**

Iseri O. D., Kars M. D., Eroglu S., GÜNDÜZ U.

UHOD-ULUSLARARASI HEMATOLOJİ-ONKOLOJİ DERGİSİ, vol.19, no.1, pp.1-8, 2009 (SCI-Expanded)

Articles Published in Other Journals

- I. **Employability versus Passion for Basic Sciences: Career Paths of Biology Graduates After Getting Higher Education Diploma**
ERET E., çakar m., demirbaş a., EROĞLU S.
JOURNAL OF HIGHER EDUCATION AND SCIENCE (YUKSEKOGRETİM VE BİLİM DERGİSİ), vol.12, no.3, pp.488-496, 2022 (Peer-Reviewed Journal)
- II. **Iron biofortification through genetic modification in rice, wheat, and cassava and its potential contribution to nutritional security**
narayanan n., Cueto-Reaño M. F., EROĞLU S., Ludwig Y., Okwuonu I., Taylor N., Grusak M.
CAB REVIEWS: PERSPECTIVES IN AGRICULTURE, VETERINARY SCIENCE, NUTRITION AND NATURAL RESOURCES, vol.17, no.11, pp.1-17, 2022 (Scopus)
- III. **Analysis of the VIT1 Promoter Activity in Developing Arabidopsis thaliana Plants**
EROĞLU S.
TURKISH JOURNAL OF AGRICULTURE: FOOD SCIENCE AND TECHNOLOGY, vol.9, no.10, pp.1814-1818, 2021 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Sinir Sisteminde Akrilamitle Etkinliği Değişen Genlerin İlişkili Gen Kümelerinin Araştırılması**
KAÇAR S., EROĞLU S., ŞAHİNTÜRK V.
19. Uluslararası Katılımlı Ulusal Biyoteknoloji Kongresi, Turkey, 1 - 03 December 2017
- II. **Akrilamit Verilen C6 Hücrelerinde Kaspaz 3 ve Bcl-2 Proteinlerinin İmmünohistokimyasal Yöntemle Analizi'**
KAÇAR S., EROĞLU S., ŞAHİNTÜRK V.
19. Uluslararası Katılımlı Ulusal Biyoteknoloji Kongresi, Turkey, 1 - 03 December 2017
- III. **Sinir sisteminde akrilamitle etkinliği değişen genlerin ilişkili gen kümelerinin araştırılması**
KAÇAR S., EROĞLU S., ŞAHİNTÜRK V.
19. Uluslararası Katılımlı Ulusal Biyoteknoloji Kongresi, Eskişehir, Turkey, 1 - 03 December 2017, pp.158
- IV. **Bacterial application for treatment of clogged emitters in drip irrigation systems as an environmentally friendly method**
EROĞLU S., ŞAHİN Ü., Tunç T., ŞAHİN F.
NEW BIOTECHNOLOGY, 10 June 2009, vol.25, pp.271-272
- V. **Cross-resistance development and combined applications of anticancer agents in drug resistant MCF-7 Cell Lines**
EROĞLU S., DARCANSOY İŞERİ Ö., DEMİREL KARS M., Gündüz U.
3rd International Meeting on Medicinal and Pharmaceutical Chemistry, 01 June 2007

Metrics

Publication: 25

Citation (WoS): 326

Citation (Scopus): 186

H-Index (WoS): 9

H-Index (Scopus): 8