

## Asst. Prof. SEÇKİN EROĞLU

### Personal Information

**Email:** seroglu@metu.edu.tr

**Web:** <https://avesis.metu.edu.tr/seroglu>

### 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

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Editorial: Metal Transport in Plants**  
Clemens S., EROĞLU S., Grillet L., Nozoye T.  
Frontiers in Plant Science, vol.12, 2021 (Journal Indexed in SCI Expanded)
- II. **Metal Transport in the Developing Plant Seed**  
Eroglu S.  
MEMBRANE TRANSPORT IN PLANTS, vol.87, pp.91-113, 2018 (Journal Indexed in SCI)
- III. **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, pp.685-698, 2017 (Journal Indexed in SCI)
- IV. **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 (Journal Indexed in SCI)
- V. **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 (Journal Indexed in SCI)
- VI. **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 (Journal Indexed in SCI)
- VII. **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 (Journal Indexed in SCI)
- VIII. **Bacterial application increased the flow rate of CaCO<sub>3</sub>-clogged emitters of drip irrigation system**

Eroglu S., ŞAHİN Ü., Tunc T., Sahin F.

JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.98, pp.37-42, 2012 (Journal Indexed in SCI)

**IX. 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 (Journal Indexed in SCI)

## **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

## **Citations**

Total Citations (WOS):161

h-index (WOS):6