

## **Asst. Prof. Solmaz Najafi**

### **Personal Information**

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### **International Researcher IDs**

ORCID: 0000-0003-1011-7184

Yoksis Researcher ID: 294408

### **Education Information**

Doctorate, Ankara University, Ziraat Fakültesi, Tarla Bitkileri Bölümü, Turkey 2008 - 2012

Postgraduate, Ankara University, Ziraat Fakültesi, Tarla Bitkileri Bölümü, Turkey 2006 - 2008

Undergraduate, Urmia University, Faculty of Agriculture, Agronomy and Plant Breeding , Iran 2002 - 2006

### **Foreign Languages**

Turkish, C1 Advanced

English, C2 Mastery

Arabic, B1 Intermediate

### **Certificates, Courses and Trainings**

Vocational Training, Chromosome Banding Methods, Aristotle University of Thessaloniki , 2009

### **Dissertations**

Doctorate, KARYOTYPE CHARACTERIZATION OF SOME SPECIES OF AEGILOPS AND TRITICUM FROM TURKEY AND IRAN, Ankara University, Faculty Of Agriculture, Department Of Field Crops, 2012

Postgraduate, Micropropagation of Caper (Capparis spp), Van Yüzüncü Yil University, Ziraat Fakültesi, Tarla Bitkileri Bölümü, 2008

### **Research Areas**

Agricultural Sciences, Agriculture, Infield Plants, Cereal Grains (wheat, oats, rye, corn, barley, millets, rice,etc.), Cool Climate Cereals, Biotechnology and Genetics, Tissue and Organ Culture, Cytogenetics

### **Academic Titles / Tasks**

Assistant Professor, Van Yüzüncü Yil University, Ziraat Fakültesi, Tarla Bitkileri , 2016 - Continues

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

- I. **Aegilops crassa Cytotypes in Some Regions of Türkiye**  
Najafi S.  
Plants, vol.13, no.21, 2024 (SCI-Expanded)
- II. **Machine Learning Insights into Ascorbic Acid-Enhanced Germination of Black Cumin (*Nigella sativa* L.) under Cadmium Stress**  
Ghiyasi M., Rezaee Danesh Y., Amirnia R., Sharifi L., Najafi S., Mulet J. M., Porcel R.  
Journal of Plant Growth Regulation, 2024 (SCI-Expanded)
- III. **Analysis of Nuclear DNA Content and Karyotype of *Phaseolus vulgaris* L.**  
Kulaz H., Najafi S., Tunçtürk R., Tunçtürk M., Albalawi M. A., Alalawy A. I., Oyouni A. A. A., Alasmari A., Poczai P., Sayyed R.  
Genes, vol.14, no.1, 2023 (SCI-Expanded)
- IV. **EFFECTS OF HAZELNUT HUSK WASTE ON QUALITY PARAMETERS OF GERMAN PRIMROSE (*PRIMULA OBCONICA* HANCE)**  
Najafi M., Kütük C., Najafi S., Balci M.  
Bangladesh Journal of Botany, vol.52, no.3, pp.829-835, 2023 (SCI-Expanded)
- V. **Foliar Applications of ZnO and Its Nanoparticles Increase Safflower (*Carthamus tinctorius* L.) Growth and Yield under Water Stress**  
Ghiyasi M., Rezaee Danesh Y., Amirnia R., Najafi S., Mulet J. M., Porcel R.  
Agronomy, vol.13, no.1, 2023 (SCI-Expanded)
- VI. **Genetic Diversity of *Trichoderma harzianum* Isolates in Sunflower Rhizosphere: The Application of the URP Molecular Marker**  
Danesh Y. R., Pellegrini M., Kariman K., Boyno G., Djebaili R., Farda B., Najafi S.  
SUSTAINABILITY, vol.14, no.22, pp.15111, 2022 (SCI-Expanded)
- VII. **Halotolerant Plant Growth-Promoting Rhizobacteria Isolated From Saline Soil Improve Nitrogen Fixation and Alleviate Salt Stress in Rice Plants**  
Khumairah F. H., Setiawati M. R., Fitriatin B. N., Simarmata T., Alfaraj S., Ansari M. J., El Enshasy H. A., Sayyed R. Z., Najafi S.  
FRONTIERS IN MICROBIOLOGY, vol.13, 2022 (SCI-Expanded)
- VIII. **Characterization of arbuscular mycorrhizal fungal communities associated with vineyards in northwestern Iran**  
Rezaee Danesh Y., Kariman K., Keskin N., Najafi S.  
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.46, no.3, pp.271-279, 2022 (SCI-Expanded)
- IX. **Effect of Chemical Synthesis Silver Nanoparticles on Germination Indices and Seedlings Growth in Seven Varieties of *Lycopersicon esculentum* Mill (tomato) Plants**  
Mehrian S. K., Heidari R., Rahmani F., Najafi S.  
JOURNAL OF CLUSTER SCIENCE, vol.27, no.1, pp.327-340, 2016 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Application of *Allium hirtifolium* for the selection process in architecture and environmental sciences**  
Alp Ş., Mohammadi Fallah A., Najafi S.  
International Journal of Agricultural Technology, vol.18, no.3, pp.927-938, 2022 (Scopus)
- II. **Effect of microwave radiation on the germination and growth characteristics of maize (*Zea mays*)**  
Rezaee Danesh Y., Ghiyasi M., Najafi S., Amirnia R.  
Oxidation Communications, vol.40, no.3, pp.1157-1166, 2017 (Scopus)
- III. **Study on antifungal effects of several essential oils against *Botrytis cinerea* and *Rhizopus stolonifer***  
Rezaee Danesh Y., Demir S., Najafi S.

Oxidation Communications, vol.40, no.1-I, pp.195-208, 2017 (Scopus)

**IV. The effect of water stress and polymer on water use efficiency, yield and several morphological traits of sunflower under greenhouse condition**

Najafi S.

Notulae Scientia Biologicae, vol.2, no.4, pp.53-58, 2010 (Peer-Reviewed Journal)

## Books

**I. The Role of Plant Growth Promoting Bacteria in Sustainable Plant Disease Management**

Danesh Y. R., DEMİR S., NAJAFI S., Sagun Ç.

in: Biopesticides in Organic Farming Recent Advances, Awasthi, L., Editor, CRC Press (Taylor Francis Group), Boca Raton, pp.65-70, 2021

## Refereed Congress / Symposium Publications in Proceedings

**I. Bread Wheat Landraces of Van Lake Basin**

ÜLKER M., ALTUNER F., Özdemir B., Salih S., Oral E., Najafi S., Karaca S., Sargın B., FURAN M. A.

V. International Plant Breeding Congress, Antalya, Turkey, 21 November 2022, vol.4, no.1

**II. In Vitro Kalluslardan Elde Edilen Asma Kökleri ile Ex Vitro Elde Edilen Asma Köklerinin Kromozom Sayılarının Karşılaştırılması**

Keskin N., Örkmez O., Najafi S., Kunter B.

HASAT ULUSLARARASI TARIM VE ORMAN KONGRESİ, Ankara, Turkey, 21 - 23 June 2019, pp.14-23

## Supported Projects

Tunçtürk R., Najafi S., Tunçtürk M., DANESH Y. R., TOPRAK T., Project Supported by Higher Education Institutions, Tuz Stresi Koşullarında Yetiştirilen Tıbbi Adaçayı (*Salvia officinalis* L.)' nda Mikoriza Uygulamalarının Bazı Büyüme ve Biyokimyasal Parametreler Üzerine Etkilerinin Araştırılması, 2022 - 2024

Najafi S., ŞELEM E., NAJAFI M., SALİH S. J., BALCI M., Ülker M., Demir S., Oral E., Altuner F., Karaca S., et al., Project Supported by Higher Education Institutions, Van Gölü Havzasında Yetiştirilen Yerel Buğdayların Rizosferlerindeki Arbuskular Mikoriza Popülasyonlarının İncelenmesi, 2021 - 2023

## Activities in Scientific Journals

International Journal of Agricultural Technology, Committee Member, 2018 - Continues

## Metrics

Publication: 29

Citation (WoS): 5

Citation (Scopus): 30

H-Index (WoS): 1

H-Index (Scopus): 3