

## Res. Asst. TAMER GÜMÜŞ

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Yildiz Technical University, Fen Bilimleri Enstitüsü, Biyomühendislik (Dr), Turkey 2020 - Continues

Postgraduate, Istanbul Kultur University, Lisansüstü Eğitim Enstitüsü, Moleküler Biyoloji Ve Genetik (YI) (Tezli), Turkey 2017 - 2020

Undergraduate, Istanbul Kultur University, Fen-Edebiyat Fakültesi, Moleküler Biyoloji Ve Genetik Bölümü, Turkey 2011 - 2015

### Foreign Languages

English, B2 Upper Intermediate

### Research Areas

Plant Biology, Bioinformatics, Molecular Biology and Genetics

### Academic Titles / Tasks

Research Assistant, Istanbul Kultur University, Fen-Edebiyat Fakültesi, Moleküler Biyoloji Ve Genetik Bölümü, 2019 - 2021

### Books & Book Chapters

- I. Stress Memory and Priming Applications in Plants: Potential for Breeders**  
Gümüş T., Aydın T., Gündüz B., Meriç S., Ayan A., Atak Ç.  
in: Recent Trends in Plant Breeding and Genetic Improvement, Mohamed A. El-Esawi, Editor, IntechOpen, London, pp.71-94, 2023
- II. Transgenic Plants in Heat Stress Adaptation: Present Achievements and Prospects**  
Ayan A., Meriç S., Gümüş T., Atak Ç.  
in: Abiotic Stress in Plants - Adaptations to Climate Change, Manuel Oliveira, Anabela A. Fernandes Silva, Editor, IntechOpen, London, pp.123-153, 2023
- III. Plant Abiotic Stress Factors – Current Challenges of Last Decades and Future Threats**  
Gümüş T., Meriç S., Ayan A., Atak Ç.

in: Plant Abiotic Stress Responses and Tolerance Mechanisms, Saddam Hussain, Editor, IntechOpen, London, pp.1-27, 2023

**IV. Current Strategies and Future of Mutation Breeding in Soybean Improvement**

Ayan A., Meriç S., Gümüş T., Atak Ç.

in: Soybean - Recent Advances in Research and Applications, Takuji Ohshima, Editor, IntechOpen, London, pp.137-158, 2022

**V. Plant-based Vaccines: The Future of Preventive Healthcare?**

Ayan A., Meriç S., Gümüş T.

in: Botany Recent Advances and Applications, Bimal Kumar Ghimire, Editor, IntechOpen, London, pp.57-91, 2021

## Refereed Congress / Symposium Publications in Proceedings

- I. **Expression Analysis of Salinity-associated miRNAs in Gamma-induced Salinity Tolerant Rice (*Oryza sativa*) Mutants**  
İMECE B., GÜMÜŞ T., MERİÇ S., AYAN A., ATAK Ç.  
6th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2023) October 11-13, 2023. www.EurasianBioChem.org, Turkey, 11 October 2023
- II. **Proteomic Evaluation of Multiple Abiotic Stress Tolerant Soybean Mutants**  
AYAN A., MERİÇ S., GÜMÜŞ T., ÇELİK Ö., ATAK Ç.  
V. BALKAN AGRICULTURAL CONGRESS, Edirne, Turkey, 20 - 22 September 2023
- III. **Retrotransposon-based genotyping on local rice (*Oryza sativa*) varieties through IRAP**  
Koyak M., GÜMÜŞ T., MERİÇ S., AYAN A.  
4th International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2022), Ankara, Turkey, 14 - 16 December 2022, pp.220
- IV. **RNA Sequencing Analysis of Salt and Drought Tolerance in Gamma-induced Soybean (*Glycine max* L. Merr.) Mutants**  
AYAN A., MERİÇ S., GÜMÜŞ T., ÇELİK Ö., ATAK Ç.  
IV. Balkan Agricultural Congress, Edirne, Turkey, 31 August - 02 September 2022, pp.283
- V. **Induction of Hairy Root Cultures of *Calendula Officinalis* L. by *Agrobacterium rhizogenes* Mediated Genetic Transformation and Production of Secondary Metabolites.**  
AYDIN T., MERİÇ S., GÜMÜŞ T., AYAN A., ATAK Ç.  
Third International Green Biotechnology Congress, SARAYBOSNA, Bosnia And Herzegovina, 30 September 2022
- VI. **Induction of Hairy Root Cultures of *Calendula Officinalis* L. by *Agrobacterium rhizogenes* Mediated Genetic Transformation and Production of Secondary Metabolites**  
MERİÇ S., GÜMÜŞ T., AYAN A., ATAK Ç.  
Third International Green Biotechnology Congress 2021, Sarajevo, Bosnia And Herzegovina, 30 September - 02 October 2021
- VII. **Induction of Hairy Root Cultures of *Calendula Officinalis* L. by *Agrobacterium rhizogenes* Mediated Genetic Transformation and Production of Secondary Metabolites**  
AYDIN T., MERİÇ S., GÜMÜŞ T., AYAN A., ATAK Ç.  
III. International Green Biotechnology Congress-, Sarajevo, Bosnia And Herzegovina, 30 September - 02 October 2021, pp.41
- VIII. **ROS Scavenging Differences of Tomato Cultivars Under Salt Stress**  
GÜMÜŞ T., ÇELİK Ö., AYAN A., MERİÇ S., ATAK Ç.  
II. International Green Biotechnology Congress-, İstanbul, Turkey, 9 - 11 September 2019

## Metrics

Publication: 13