

# Prof. RABİYE TERZİ

## Personal Information

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## International Researcher IDs

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## Education

Doctorate, Karadeniz Technical University, -, Biyoloji, Turkey 1999 - 2005

Postgraduate, Karadeniz Technical University, -, Biyoloji, Turkey 1994 - 1998

Undergraduate, Karadeniz Technical University, Fen Fakültesi, Biyoloji, Turkey 1990 - 1994

## Foreign Languages

English, B2 Upper Intermediate

## Dissertations

Doctorate, Bakır Stresine Maruz Bırakılan hassas ve Dayanıkl Mısır Çeşitlerinde Glutasyon, Hidrojen Peroksit ve Salisilik Asit Uygulamalarının Fotosentetik Verim Üzerine Etkilerinin Araştırılması, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Biyoloji/Botanik, 2015

Postgraduate, Ozmotik Strese Maruz Bırakılan Mısır Çeşitlerinde Dıştan Sakkaroz Uygulamasının Yaprak Kıvrılması Üzerine Etkisinin Araştırılması, Karadeniz Technical University, -, Biyoloji, 2015

Postgraduate, Aşırı Bakır Koşullarındaki Mısır Çeşitlerinde Hidrojen Peroksit Ön Muamelesinin Fotosentetik Aygıt ve Antioksidan Sistem Üzerine Etkisi, Karadeniz Technical University, -, Biyoloji, 2012

Postgraduate, Hidrojen Peroksit Ön Muamelesinin Bakır Stresi Toleransı Üzerine Etkisi, Karadeniz Technical University, -, Biyoloji, 2011

## Research Areas

Life Sciences, Plant Biology, Plant Physiology, Natural Sciences

## Academic Positions

Professor, Karadeniz Technical University, Fen Fakültesi, Biyoloji, 2016 - Continues

Associate Professor, Karadeniz Technical University, Fen Fakültesi, Biyoloji, 2011 - 2016

Assistant Professor, Karadeniz Technical University, Fen Fakültesi, Biyoloji, 2009 - 2011

Lecturer, Karadeniz Technical University, Fen Fakültesi, Biyoloji, 1998 - 2009

Research Assistant, Karadeniz Technical University, -, Biyoloji, 1995 - 1998

## Courses

### Doctorate

Bitkilerde Moleküler Stres Fizyolojisi, Doctorate, 2015 - 2016

### Postgraduate

Bitkilerde Sinyal İletimi, Postgraduate, 2015 - 2016

## Journal articles indexed in SCI, SSCI, and AHCI

- I. **Lipoic Acid Can Maintain Stimulation of the Antioxidant System at Lower Reactive Oxygen Species, Ascorbate and Glutathione Levels in Osmotic Stressed Maize**  
Gumrukcu Simsek S., TERZİ R., Guler N. S.  
Russian Journal of Plant Physiology, vol.71, no.3, 2024 (SCI-Expanded)
- II. **Increased dehydrin level decreases leaf rolling grade by altering the reactive oxygen species homeostasis and abscisic acid content in maize subjected to osmotic stress**  
Guler N. S., TERZİ R., Demiralay M., Ozturk K., KADIOĞLU A.  
3 BIOTECH, vol.12, no.9, 2022 (SCI-Expanded)
- III. **Alpha Lipoic Acid Application Promotes Water-Deficit Tolerance by Modulating Osmoprotectant Metabolism-Related Genes in Maize**  
SARUHAN GÜLER N., Ozturk K., Sezgin A., Altuntas C., KADIOĞLU A., TERZİ R.  
RUSSIAN JOURNAL OF PLANT PHYSIOLOGY, vol.68, no.6, pp.1152-1160, 2021 (SCI-Expanded)
- IV. **Concomitant accumulations of ions, osmoprotectants and antioxidant system-related substances provide salt tolerance capability to succulent extreme-halophyte *Scorzonera hieraciifolia***  
Altuntas C., TERZİ R.  
TURKISH JOURNAL OF BOTANY, vol.45, no.4, pp.340-352, 2021 (SCI-Expanded)
- V. **Proline-stimulated signaling primarily targets the chlorophyll degradation pathway and photosynthesis associated processes to cope with short-term water deficit in maize**  
Altuntas C., DEMİRALAY M., Sezgin Muslu A., TERZİ R.  
PHOTOSYNTHESIS RESEARCH, vol.144, no.1, pp.35-48, 2020 (SCI-Expanded)
- VI. **Dithiothreitol and PEG Induced Combined Stress May Affect the Expressions of ABA Aldehyde Oxidase, Sucrose Synthase and Proline Metabolic Genes in Maize Seedlings**  
Altuntas C., TERZİ R.  
PHYTON-INTERNATIONAL JOURNAL OF EXPERIMENTAL BOTANY, vol.89, no.3, pp.487-495, 2020 (SCI-Expanded)
- VII. **Dehydrins: an overview of current approaches and advancement**  
SARUHAN GÜLER N., TERZİ R.  
TURKISH JOURNAL OF BOTANY, vol.44, no.5, pp.481-492, 2020 (SCI-Expanded)
- VIII. **Exogenous alpha lipoic acid can stimulate photosystem II activity and the gene expressions of carbon fixation and chlorophyll metabolism enzymes in maize seedlings under drought**  
Sezgin A., Altuntas C., DEMİRALAY M., Cinemre S., TERZİ R.  
JOURNAL OF PLANT PHYSIOLOGY, vol.232, pp.65-73, 2019 (SCI-Expanded)
- IX. **Application of sucrose modulates the expressions of genes involved in proline and polyamine metabolism in maize seedlings exposed to drought**  
ALTUNTAS C., SEZGIN A., Demiralay M., TERZİ R., SAĞLAM A., KADIOĞLU A.  
BIOLOGIA PLANTARUM, vol.63, pp.247-252, 2019 (SCI-Expanded)
- X. **Abscisic acid cross-talking with hydrogen peroxide and osmolyte compounds may regulate the leaf rolling mechanism under drought**

- Sezgin A., Altuntaş C., SAĞLAM A., TERZİ R., Demiralay M., KADIOĞLU A.  
ACTA PHYSIOLOGIAE PLANTARUM, vol.40, no.8, 2018 (SCI-Expanded)
- XI. **Alpha lipoic acid treatment induces the antioxidant system and ameliorates lipid peroxidation in maize seedlings under osmotic stress**  
TERZİ R., GULER N. S., Güven F. G., KADIOĞLU A.  
ARCHIVES OF BIOLOGICAL SCIENCES, vol.70, no.3, pp.503-511, 2018 (SCI-Expanded)
- XII. **Application of proline to root medium is more effective for amelioration of photosynthetic damages as compared to foliar spraying or seed soaking in maize seedlings under short-term drought**  
Demiralay M., Altuntaş C., Sezgin A., TERZİ R., KADIOĞLU A.  
TURKISH JOURNAL OF BIOLOGY, vol.41, no.4, pp.649-660, 2017 (SCI-Expanded)
- XIII. **COPPER STRESS AND RESPONSES IN PLANTS**  
SAĞLAM A., YETİŞSİN F., DEMİRALAY M., TERZİ R.  
PLANT METAL INTERACTION: EMERGING REMEDIATION TECHNIQUES, pp.21-40, 2016 (SCI-Expanded)
- XIV. **Exogenous ascorbic acid mitigates accumulation of abscisic acid, proline and polyamine under osmotic stress in maize leaves**  
TERZİ R., KALAYCIOĞLU E., DEMİRALAY M., SAĞLAM A., KADIOĞLU A.  
ACTA PHYSIOLOGIAE PLANTARUM, vol.37, no.3, 2015 (SCI-Expanded)
- XV. **Leaf rolling reduces photosynthetic loss in maize under severe drought**  
SAĞLAM A., KADIOĞLU A., Demiralay M., TERZİ R.  
ACTA BOTANICA CROATICA, vol.73, no.2, pp.315-332, 2014 (SCI-Expanded)
- XVI. **EFFECT OF POLYETHYLENE GLYCOL INDUCED DROUGHT STRESS ON PHOTOSYNTHESIS IN TWO CHICKPEA GENOTYPES WITH DIFFERENT DROUGHT TOLERANCE**  
SAĞLAM A., TERZİ R., Demiralay M.  
ACTA BIOLOGICA HUNGARICA, vol.65, no.2, pp.178-188, 2014 (SCI-Expanded)
- XVII. **Hydrogen peroxide pretreatment induces osmotic stress tolerance by influencing osmolyte and abscisic acid levels in maize leaves**  
TERZİ R., KADIOĞLU A., Kalaycıoğlu E., SAĞLAM A.  
JOURNAL OF PLANT INTERACTIONS, vol.9, no.1, pp.559-565, 2014 (SCI-Expanded)
- XVIII. **Exogenous hydrogen peroxide increases dry matter production, mineral content and level of osmotic solutes in young maize leaves and alleviates deleterious effects of copper stress**  
Guzel S., TERZİ R.  
BOTANICAL STUDIES, vol.54, 2013 (SCI-Expanded)
- XIX. **Lignification response for rolled leaves of *Ctenanthe setosa* under long-term drought stress**  
TERZİ R., Saruhan Guler N., Kutlu Caliskan N., KADIOĞLU A.  
TURKISH JOURNAL OF BIOLOGY, vol.37, no.5, pp.614-619, 2013 (SCI-Expanded)
- XX. **Current advances in the investigation of leaf rolling caused by biotic and abiotic stress factors**  
KADIOĞLU A., TERZİ R., Saruhan N., SAĞLAM A.  
PLANT SCIENCE, vol.182, pp.42-48, 2012 (SCI-Expanded)
- XXI. **Exogenous salicylic acid alleviates effects of long term drought stress and delays leaf rolling by inducing antioxidant system**  
KADIOĞLU A., Saruhan N., SAĞLAM A., TERZİ R., Acet T.  
PLANT GROWTH REGULATION, vol.64, no.1, pp.27-37, 2011 (SCI-Expanded)
- XXII. **The relations between antioxidant enzymes and chlorophyll fluorescence parameters in common bean cultivars differing in sensitivity to drought stress**  
SAĞLAM A., Saruhan N., TERZİ R., KADIOĞLU A.  
RUSSIAN JOURNAL OF PLANT PHYSIOLOGY, vol.58, no.1, pp.60-68, 2011 (SCI-Expanded)
- XXIII. **SCAVENGING OF REACTIVE OXYGEN SPECIES IN APOPLASTIC AND SYMPLASTIC AREAS OF ROLLED LEAVES IN *CTENANTHE SETOSA* UNDER DROUGHT STRESS**  
Saruhan N., TERZİ R., SAĞLAM A., KADIOĞLU A.  
ACTA BIOLOGICA HUNGARICA, no.3, pp.282-298, 2010 (SCI-Expanded)
- XXIV. **INORGANIC AND ORGANIC SOLUTES IN APOPLASTIC AND SYMPLASTIC SPACES CONTRIBUTE TO**

**OSMOTIC ADJUSTMENT DURING LEAF ROLLING IN CTENANTHE SETOSA**

SAĞLAM A., TERZİ R., NAR H., Saruhan N., AYAZ F. A., KADIOĞLU A.

ACTA BIOLOGICA CRACOVIENSIA SERIES BOTANICA, vol.52, no.1, pp.37-44, 2010 (SCI-Expanded)

- XXV. **Impact of soil drought stress on photochemical efficiency of photosystem II and antioxidant enzyme activities of Phaseolus vulgaris cultivars**  
TERZİ R., SAĞLAM A., Kutlu N., Nar H., KADIOĞLU A.  
TURKISH JOURNAL OF BOTANY, vol.34, no.1, pp.1-10, 2010 (SCI-Expanded)
- XXVI. **PHOTOSYSTEM II FUNCTIONALITY AND ANTIOXIDANT SYSTEM CHANGES DURING LEAF ROLLING IN POST-STRESS EMERGING CTENANTHE SETOSA EXPOSED TO DROUGHT**  
TERZİ R., Saruhan N., SAĞLAM A., Nar H., KADIOĞLU A.  
ACTA BIOLOGICA HUNGARICA, vol.60, no.4, pp.417-431, 2009 (SCI-Expanded)
- XXVII. **Leaf rolling and photosystem II efficiency in Ctenanthe setosa exposed to drought stress**  
Nar H., SAĞLAM A., TERZİ R., Varkonyi Z., KADIOĞLU A.  
PHOTOSYNTHETICA, vol.47, no.3, pp.429-436, 2009 (SCI-Expanded)
- XXVIII. **Changes in Anatomical Structure and Levels of Endogenous Phytohormones during Leaf Rolling in Ctenanthe setosa under Drought Stress**  
Kutlu N., TERZİ R., Tekeli C., Senel G., Battal P., KADIOĞLU A.  
TURKISH JOURNAL OF BIOLOGY, vol.33, no.2, pp.115-122, 2009 (SCI-Expanded)
- XXIX. **The Relationship between Leaf Rolling and Ascorbate-Glutathione Cycle Enzymes in Apoplastic and Symplastic Areas of Ctenanthe setosa Subjected to Drought Stress**  
Saruhan N., TERZİ R., SAĞLAM A., KADIOĞLU A.  
BIOLOGICAL RESEARCH, vol.42, no.3, pp.315-326, 2009 (SCI-Expanded)
- XXX. **Physiological changes in them in post-stress emerging Ctenanthe setosa plants under drought conditions**  
SAĞLAM A., KADIOĞLU A., TERZİ R., Saruhan N.  
RUSSIAN JOURNAL OF PLANT PHYSIOLOGY, vol.55, no.1, pp.48-53, 2008 (SCI-Expanded)
- XXXI. **A dehydration avoidance mechanism: Leaf rolling**  
KADIOĞLU A., TERZİ R.  
BOTANICAL REVIEW, vol.73, no.4, pp.290-302, 2007 (SCI-Expanded)
- XXXII. **The Effects of Exogenous Polyamines on Some Biochemical Changes during Drought Stress in Ctenanthe setosa (Rosc.) Eichler**  
SARUHAN GÜLER N., TERZİ R., KADIOĞLU A.  
ACTA BIOLOGICA HUNGARICA, vol.57, no.2, pp.221-229, 2006 (SCI-Expanded)
- XXXIII. **Drought stress tolerance and the antioxidant enzyme system in Ctenanthe setosa**  
Terzi R., Kadioglu A.  
ACTA BIOLOGICA CRACOVIENSIA SERIES BOTANICA, vol.48, no.2, pp.89-96, 2006 (SCI-Expanded)
- XXXIV. **Effect of polyamines on leaf rolling during drought stress in Ctenanthe setosa (Rosc.) Eichler**  
Kadioglu A., Turgut R., Palavan-Unsal N., Saruhan N.  
ISRAEL JOURNAL OF PLANT SCIENCES, vol.50, no.1, pp.19-23, 2002 (SCI-Expanded)
- XXXV. **Water stress effects on the content of low molecular weight carbohydrates and phenolic acids in Ctenanthe setosa (Rosc.) Eichler**  
Ayaz F. A., Kadioglu A., Turgut R.  
CANADIAN JOURNAL OF PLANT SCIENCE, vol.80, no.2, pp.373-378, 2000 (SCI-Expanded)
- XXXVI. **Some biochemical changes during leaf rolling in Ctenanthe setosa (Marantaceae)**  
Kadioglu A., Turgut R.  
ACTA PHYSIOLOGIAE PLANTARUM, vol.21, no.3, pp.209-214, 1999 (SCI-Expanded)
- XXXVII. **The effect of drought, temperature and irradiation on leaf rolling in Ctenanthe setosa**  
Turgut R., Kadioglu A.  
BIOLOGIA PLANTARUM, vol.41, no.4, pp.629-633, 1998 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Some Molecular Studies Related to Leaf Rolling in *Ctenanthe setosa***  
TERZİ R., SAĞLAM A.  
Advances in Molecular Biology, vol.1, pp.17-22, 2008 (Peer-Reviewed Journal)

## Books

- I. **Copper Stress and Responses in Plants**  
Sağlam A., Yetişsin F., Demiralay M., Terzi R.  
in: Plant Metal Interaction, Emerging Remediation Techniques, Ahmad P., Editor, Elsevier Science, Oxford/Amsterdam , Amsterdam, pp.21-40, 2016
- II. **Copper Stress and Responses in Plants**  
SAĞLAM A., YETİŞSİN F., DEMİRALAY M., TERZİ R.  
in: Plant Metal Interaction Emerging Remediation Techniques, Ahmad P., Editor, Elsevier, pp.21-40, 2015
- III. **Copper Stress and Responses in Plants**  
SAĞLAM A., YETİŞSİN F., DEMİRALAY M., TERZİ R.  
in: Plant Metal Interaction Emerging Remediation Techniques, AHMAD Parvaiz, Editor, ELSEVIER, pp.21-40, 2015

## Papers Presented at Peer-Reviewed Scientific Conferences

- I. **Exogenous spermidine can induce the genes involved in photosynthesis and provide the tolerance to plant exposed to water deficiency**  
TERZİ R., Altuntaş C.  
Eurasian Congress on Molecular Biotechnology (ECOMB 2019), Trabzon, Turkey, 19 - 21 September 2019, pp.189-196, (Full Text)
- II. **Changes in some stress parameters in the endemic halophyte *Scorzonera hieraciifoli* exposed to salinity**  
ALTUNTAŞ C., TERZİ R.  
The 2nd International UNIDOKAP Black Sea Symposium on Biodiversity, 28 - 30 November 2018, vol.1, pp.44-48, (Full Text)
- III. **Role of Dehydrins in Controlling Leaf Rolling As An Indicator of Decreased Water Status**  
SARUHAN GÜLER N., KADIOĞLU A., Öztürk K., Demiralay M., TERZİ R.  
UBFS-2018. III. Plant Physiology Symposium with International Participation, Çanakkale, Turkey, 26 - 29 September 2018, (Full Text)
- IV. **Bakır Stresi Altındaki Mısır Fidelerinde Hidrojen Peroksit (H<sub>2</sub>O<sub>2</sub>) Ön Muamelesinin Antioksidan Sistem Enzimlerinin Aktivitesi Üzerine Etkisi**  
YETİŞSİN F., DEMİRALAY M., SAĞLAM A., TERZİ R., KADIOĞLU A.  
III. Uluslararası Katılımlı Bitki Fizyolojisi Sempozyumu, Çanakkale, Turkey, 26 - 29 September 2018, (Full Text)
- V. **Alpha Lipoic Acid Alleviates Osmotic Stress in Maize Plants by Regulating of Gene Expression Profiles Involved in Osmolyte Metabolism**  
SARUHAN GÜLER N., Öztürk K., ALTUNTAŞ C., SEZGİN A., KADIOĞLU A., TERZİ R.  
1st INTERNATIONAL PLANT BIOLOGY CONGRESS, Konya, Turkey, 10 - 12 May 2018, pp.306, (Full Text)
- VI. **How Leaf Rolling Is Regulated By Reactive Oxygen Species Under Stressful Environments**  
SAĞLAM A., TERZİ R., SARUHAN GÜLER N., KADIOĞLU A.  
1st International Congress on Plant Biology, Konya, Turkey, 10 - 12 May 2018, pp.86, (Summary Text)
- VII. **How Leaf Rolling Is Regulated By Reactive Oxygen Species Under Stressed Environments**  
Sağlam A., Terzi R., Saruhan Güler N., Kadioğlu A.  
1st INTERNATIONAL PLANT BIOLOGY CONGRESS, Konya, Turkey, 10 - 12 May 2018, pp.86, (Summary Text)

- VIII. **Kuraklık Koşullarında Putresin Uygulanmış Zea mays Fidelerinde Klorofil Metabolizması ve Fotosenteze Karışan Bazı Genlerin İfadelerindeki Değişimlerin İncelenmesi**  
TERZİ R., ALTUNTAŞ C., SARUHAN GÜLER N., KADIOĞLU A.  
1st INTERNATIONAL PLANT BIOLOGY CONGRESS, Konya, Turkey, 10 - 12 May 2018, pp.307, (Full Text)
- IX. **Evaluation of Dehydrin Accumulation in Leaf Rolling Response as an Indicator of Drought Stress**  
SARUHAN GÜLER N., TERZİ R., Öztürk K., Demiralay M., SAĞLAM A., KADIOĞLU A.  
International Forestry and Environment Symposium Climate Change and Tree Migration, Trabzon, Turkey, 7 - 10 November 2017, (Full Text)
- X. **Recent advances in regulation of leaf rolling and the role of H<sub>2</sub>O<sub>2</sub> as a signaling molecule**  
SAĞLAM A., TERZİ R., SARUHAN GÜLER N., KADIOĞLU A.  
International Forestry and Environment Symposium Climate Change and Tree Migration, Trabzon, Turkey, 7 - 10 November 2017, (Full Text)
- XI. **Exogenous putrescine and spermidine can alleviate the injures of osmotic stress in Zea mays seedlings**  
TERZİ R., ALTUNTAŞ C., KADIOĞLU A.  
International Forestry and Environment Symposium, Trabzon, Turkey, 7 - 10 November 2017, pp.10, (Summary Text)
- XII. **Evaluation of dehydrin accumulation in leaf rolling response as a indicator of drought stress**  
SARUHAN GÜLER N., TERZİ R., Öztürk K., DEMİRALAY M., SAĞLAM A., KADIOĞLU A.  
International Forestry and Environment Symposium, Climate Change and Tree Migration, Trabzon, Turkey, 7 - 10 November 2017, pp.225, (Summary Text)
- XIII. **Interaction between Alpha Lipoic Acid and Osmolite Compounds under Osmotic Stress**  
Saruhan Güler N., Öztürk K., Sezgin A., Altuntaş C., Sağlam A., Kadioğlu A., Terzi R.  
ISEEP-2017 VIII. INTERNATIONAL SYMPOSIUM ON ECOLOGY AND ENVIRONMENTAL PROBLEMS, Çanakkale, Turkey, 4 - 07 October 2017, (Summary Text)
- XIV. **The Effect of Hydrogen Peroxide Pre-Treatment on Photosynthetic Machinery and Antioxidant System in Maize Cultivars Exposed to Excess Copper**  
TERZİ R., SARUHAN GÜLER N., BİŞKİN N., KADIOĞLU A.  
ISEEP-2017 VIII. INTERNATIONAL SYMPOSIUM ON ECOLOGY AND ENVIRONMENTAL PROBLEMS, Çanakkale, Turkey, 4 - 07 October 2017, pp.217, (Full Text)
- XV. **The effects of hydrogen peroxide pre-treatment on photosynthetic machinery and antioxidant system in maize cultivars exposed to excess copper**  
TERZİ R., SARUHAN GÜLER N., Bişkin N., KADIOĞLU A.  
ISEEPP-2017, VIII. International Symposium on Ecology and Environmental Problems, Çanakkale, Turkey, 4 - 07 October 2017, pp.217, (Summary Text)
- XVI. **Interaction between alpha lipoic acid and osmolyte compounds under osmotic stress**  
SARUHAN GÜLER N., Öztürk K., Sezgin A., Altuntaş c., SAĞLAM A., KADIOĞLU A., TERZİ R.  
ISEEPP-2017, VIII. International Symposium on Ecology and Environmental Problems, Çanakkale, Turkey, 4 - 07 October 2017, pp.216, (Summary Text)
- XVII. **The Effect of Hydrogen Peroxide Pre-Treatment on Photosynthetic Machinery and Antioxidant System in Maize Cultivars Exposed to Excess Copper**  
TERZİ R., SARUHAN GÜLER N., BİŞKİN N., KADIOĞLU A.  
ISEEP-2017 VIII. INTERNATIONAL SYMPOSIUM ON ECOLOGY AND ENVIRONMENTAL PROBLEMS, Çanakkale, Turkey, 4 - 07 October 2017, (Full Text)
- XVIII. **Retardation mechanism of leaf rolling by reduced reactive oxygen species under drought stress**  
TERZİ R., SAĞLAM A., KALAYCIOĞLU E., KADIOĞLU A.  
13th International Conference on Reactive Oxygen and Nitrogen Species in Plants: Emerging Roles in Plant Form and Function, İzmir, Turkey, 10 - 13 September 2017, pp.96, (Full Text)
- XIX. **Interaction between Reactive Oxygen Species, Endogenous Salicylic Acid, Abscisic Acid and Dehydrins in Response to Leaf Rolling**  
SARUHAN GÜLER N., KADIOĞLU A., SAĞLAM A., Öztürk K., Demiralay M., TERZİ R.

13th International Conference on Reactive Oxygen and Nitrogen Species in Plants: Emerging Roles in Plant Form and Function, İzmir, Turkey, 10 - 13 September 2017, (Full Text)

- XX. **Retardation mechanism of leaf rolling by reduced reactive oxygen species under drought stress**  
Terzi R., Sağlam A., Kalaycıoğlu E., Kadioğlu A.  
13th International Conference on Reactive Oxygen and Nitrogen Species in Plants: Emerging Roles in Plant Form and Function, İzmir, Turkey, 10 - 13 September 2017, pp.96, (Summary Text)
- XXI. **Hidrojen peroksit uygulaması mısır fidelerinde bakır stresinin olumsuz etkilerini gen ekspresyonu seviyesinde hafifletir**  
YETİŞSİN F., DEMİRALAY M., SAĞLAM A., TERZİ R., KADIOĞLU A.  
IV. IMCOFE International Multidisciplinary Congress of Eurasia, Roma, Italy, 23 - 25 August 2017, pp.336, (Summary Text)
- XXII. **Bakır stresi altındaki mısır fidelerinde salisilik asit (SA) uygulamasının bazı genlerin ekspresyon seviyeleri üzerindeki etkisinin araştırılması**  
YETİŞSİN F., DEMİRALAY M., SAĞLAM A., TERZİ R., KADIOĞLU A.  
Ivek 3. International Convention of Pharmaceuticals and Pharmacies, İstanbul, Turkey, 26 - 29 April 2017, pp.175, (Summary Text)
- XXIII. **Interaction between Dehydrins and Antioxidant System during Osmotic Stress in Rolled Leaf 1 (rld1) Mutant of Maize (Zea mays L.)**  
SARUHAN GÜLER N., Öztürk K., Küçük L., Demiralay M., TERZİ R., KADIOĞLU A.  
International Conference on Biological Sciences, Konya, Turkey, 21 - 23 October 2016, (Full Text)
- XXIV. **Exogenous Methyl Viologen Induces Leaf Rolling under Osmotic Stress in Maize Seedlings**  
Sezgin A., Altuntaş C., KADIOĞLU A., TERZİ R., SAĞLAM A.  
International Conference on Biological Sciences, Konya, Turkey, 21 - 23 October 2016, pp.12, (Summary Text)
- XXV. **The effect of hydrogen peroxide pre-treatment on antioxidant system under excess copper in maize seedlings**  
TERZİ R.  
International Conference on Biological Sciences, Konya, Turkey, 21 - 23 October 2016, pp.32, (Summary Text)
- XXVI. **Role of Exogenous Dithiothreitol in Response to Osmotic Stress in Maize Seedlings**  
Altuntaş C., Sezgin A., KADIOĞLU A., TERZİ R., SAĞLAM A.  
International Conference on Biological Sciences, Konya, Turkey, 21 - 23 October 2016, pp.11, (Summary Text)
- XXVII. **Bakır Stresi Altındaki Mısır Fidelerinde Hidrojen Peroksit Uygulamasının Bazı Biyokimyasal Parametreler Üzerine Etkisi**  
Yetişsin F., Demiralay M., SAĞLAM A., TERZİ R., KADIOĞLU A.  
23. Ulusal Biyoloji Kongresi, Gaziantep, Turkey, 5 - 09 September 2016, pp.11, (Summary Text)
- XXVIII. **Osmotik Strese Maruz Kalan Mısır Fidelerine ALA Ön Muamelesinin Fotosentetik Performansı Artırmadaki Etkinliği**  
SEZGİN A., DEMİRALAY M., ALTUNTAŞ C., CİNEMRE S., TERZİ R.  
II. Ulusal Bitki Fizyolojisi Sempozyumu, Mersin, Turkey, 31 August - 03 September 2016, pp.99, (Summary Text)
- XXIX. **Yaprak Kıvrılma Cevabında Dehidrinler ve Antioksidan Sistem Arasındaki İlişkinin Belirlenmesinde Bazı Biyoregülatörlerin Rolü**  
SARUHAN GÜLER N., Demiralay M., Küçük L., Öztürk K., TERZİ R., KADIOĞLU A.  
II. Ulusal Bitki Fizyolojisi Sempozyumu, Mersin, Turkey, 31 August - 03 September 2016, pp.11, (Summary Text)
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**XLIV. Osmotik stres altındaki mısır fidelerinde spermidinin yaprak kıvrılması üzerindeki etkisinin**



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## Funded Projects

TERZİ R., TUBITAK Project, Prolin Uygulamasının Kuraklık Stresiyle Oluşan Fotosentetik Hasarı İyileştirme Mekanizmasının Araştırılması, 2014 - Continues

SARUHAN GÜLER N., TERZİ R., DEMİRALAY M., Project Supported by Higher Education Institutions, Ozmotik Stres Koşullarında Alfa Lipoik Asit Ön Muamelesinin Ozmolit Bileşikler Üzerine Etkisi, 2016 - 2017

KADIOĞLU A., SAĞLAM A., SARUHAN GÜLER N., TERZİ R., Project Supported by Higher Education Institutions, Farklı Sıcaklık Toleransına Sahip Heliotropium thermophilum ile Heliotropium hirsutissimum Bitkilerinin Sıcaklık Stresi Koşullarında Bazı Biyokimyasal Özelliklerinin Karşılaştırılması, 2016 - 2017

TERZİ R., TUBITAK Project, Bakır Stresi Koşullarında Yetiştirilen Mısır Çeşitlerinde Fotosentetik Aktivitenin Artırılması, 2013 - 2014

## Activities in Scientific Journals

Acta Physiologiae Plantarum, Publication Committee Member, 2014 - Continues

Turkish Journal of Botany, Committee Member, 2014 - Continues

Turkish Journal of Biology, Publication Committee Member, 2013 - Continues

## Metrics

Publication: 134

Citation (WoS): 1115

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## **Non Academic Experience**

Karadeniz Teknik Üniversitesi, Doç. Dr.

Karadeniz Teknik Üniversitesi, Yrd. Doç.Dr.

Karadeniz Teknik Üniversitesi, Öğr. Gör.

Karadeniz Teknik Üniversitesi, Arş. Gör.