

Kişisel Bilgiler

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Eğitim Bilgileri

Doktora, Atatürk Üniversitesi, Fen Fakültesi, Biyoloji/Moleküler Biyoloji, Türkiye 2012 - 2018

Yabancı Diller

İngilizce, B2 Orta Üstü

Yaptığı Tezler

Doktora, Kuraklık Stresi ve Humik Asitin Ekmeklik Buğdayda (*Triticum aestivum* L.) Bazı Genlerin mRNA İfade Seviyeleri ve DNA Konformasyon Değişimlerine Etkisi, Atatürk Üniversitesi, Fen Fakültesi, Biyoloji, 2018

Yüksek Lisans, KURAKLIK STRESİNE MARUZ KALAN BUĞDAYDA (*Triticum aestivum*) GENETİK VE EPİGENETİK DEĞİŞİKLİKLER ÜZERİNE PUTRESİNİN ETKİSİNİN MOLEKÜLER YÖNTEMLER İLE BELİRLENMESİ, Atatürk Üniversitesi, Fen Fakültesi, Biyoloji/Moleküler Biyoloji, 2012

Araştırma Alanları

Yaşam Bilimleri, Moleküler Biyoloji ve Genetik, Bitki Moleküler Genetiği, Temel Bilimler

Akademik Unvanlar / Görevler

Araştırma Görevlisi Dr., Atatürk Üniversitesi, Fen Fakültesi, Biyoloji, 2011 - Devam Ediyor

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- **Aluminum-Induced Changes on DNA Damage, DNA Methylation and LTR Retrotransposon Polymorphism in Maize**
TAŞPINAR M. S., AYDIN M., SIGMAZ B., YAGCI S., ARSLAN E., AĞAR G.
Arabian Journal for Science and Engineering, cilt.43, ss.123-131, 2018 (SCI Expanded İndekslerine Giren Dergi)
- **5-Aminolevulinic acid improves DNA damage and DNA Methylation changes in deltamethrin-exposed Phaseolus vulgaris seedlings**
TAŞPINAR M. S., AYDIN M., ARSLAN E., YAPRAK M., AĞAR G.
Plant Physiology and Biochemistry, cilt.118, ss.267-273, 2017 (SCI Expanded İndekslerine Giren Dergi)
- **Analyses of somaclonal variation in endosperm-supported mature embryo culture of rye (*Secale cereale* L.)**
AYDIN M., ARSLAN E., TAŞPINAR M. S., KARADAYI G., AĞAR G.
Biotechnology and Biotechnological Equipment, cilt.30, ss.1082-1089, 2016 (SCI Expanded İndekslerine Giren Dergi)
- **Effects of As₂O₃ on DNA methylation, genomic instability, and LTR retrotransposon polymorphism in Zea mays**

ERTURK F. A. , AYDIN M., SIGMAZ B., TAŞPINAR M. S. , ARSLAN E., AĞAR G., YAGCI S.

Environmental Science and Pollution Research, cilt.22, ss.18601-18606, 2015 (SCI Expanded İndekslerine Giren Dergi)

• **Cytogenetic and epigenetic alterations by cobalt and nickel on Zea mays L**

ERTURK F. A. , AĞAR G., Nardemir G., ARSLAN E.

Toxicological and Environmental Chemistry, cilt.97, ss.1350-1362, 2015 (SCI Expanded İndekslerine Giren Dergi)

• **The role of putrescine against the long terminal repeat (LTR) retrotransposon polymorphisms induced by salinity stress in Triticum aestivum**

SIGMAZ B., AĞAR G., ARSLAN E., AYDIN M., TAŞPINAR M. S.

Acta Physiologiae Plantarum, cilt.37, 2015 (SCI Expanded İndekslerine Giren Dergi)

• **Analysis of genetic and epigenetic effects of maize seeds in response to heavy metal (Zn) stress**

Erturk F. A. , AĞAR G., ARSLAN E., Nardemir G.

Environmental Science and Pollution Research, cilt.22, ss.10291-10297, 2015 (SCI Expanded İndekslerine Giren Dergi)

• **Determination of genetic and epigenetic effects of glyphosate on Triticum aestivum with RAPD and CRED-RA techniques**

Nardemir G., AĞAR G., ARSLAN E., ERTURK F. A.

Theoretical and Experimental Plant Physiology, cilt.27, ss.131-139, 2015 (SCI Expanded İndekslerine Giren Dergi)

• **Determination of genotoxic effects of boron and zinc on Zea mays using protein and random amplification of polymorphic DNA analyses**

ERTURK F. A. , NARDEMİR G., Hilal A. Y. , ARSLAN E., AĞAR G.

Toxicology and Industrial Health, cilt.31, ss.1015-1023, 2015 (SCI Expanded İndekslerine Giren Dergi)

• **Auxin effects on somaclonal variation and plant regeneration from mature embryo of barley (Hordeum vulgare L.)**

AYDIN M., TAŞPINAR M. S. , ARSLAN E., SIGMAZ B., AĞAR G.

Pakistan Journal of Botany, cilt.47, ss.1749-1757, 2015 (SCI Expanded İndekslerine Giren Dergi)

• **Determination of genomic instability and DNA methylation effects of Cr on maize (Zea mays L.) using RAPD and CRED-RA analysis**

Erturk F. A. , AĞAR G., ARSLAN E., Nardemir G., SAHİN Z.

Acta Physiologiae Plantarum, cilt.36, ss.1529-1537, 2014 (SCI Expanded İndekslerine Giren Dergi)

• **Protective role of humic acids against dicamba-induced genotoxicity and DNA methylation in Phaseolus vulgaris L.**

Yildirim N., AĞAR G., TAŞPINAR M. S. , Turan M., AYDIN M., ARSLAN E.

Acta Agriculturae Scandinavica Section B: Soil and Plant Science, cilt.64, ss.141-148, 2014 (SCI Expanded İndekslerine Giren Dergi)

• **Effects of lead sulfate on genetic and epigenetic changes, and endogenous hormone levels in corn (Zea mays L.)**

Erturk F. A. , AĞAR G., ARSLAN E., Nardemir G., AYDIN M., TAŞPINAR M. S.

Polish Journal of Environmental Studies, cilt.23, ss.1925-1932, 2014 (SCI Expanded İndekslerine Giren Dergi)

Diğer Dergilerde Yayınlanan Makaleler

• **PUTRESCINE AS A PROTECTIVE MOLECULE ON DNADAMAGE AND DNA METHYLATION CHANGES IN WHEAT UNDER DROUGHT**

ARSLAN E., AĞAR G., AYDIN M.

Communications Faculty of Sciences University of Ankara Series C Biology, cilt.29, ss.170-197, 2019 (Diğer Kurumların Hakemli Dergileri)

• **Alleviative role of B-estradiol against 2,4-dichlorophenoxyacetic acid genotoxicity on common bean genome Fasulye genomunda 2,4-diklorofenoksisetik asit genotoksitesine karşı B-östradiolün hafifletici rolü**

TAŞPINAR M. S. , SIGMAZ B., AYDIN M., ARSLAN E., AĞAR G.

Yüzüncü Yıl University Journal of Agricultural Sciences, cilt.28, ss.1-9, 2018 (Diğer Kurumların Hakemli Dergileri)

• **Protective Role of Putrescine against Picloram Induced Genomic Instability and DNA Methylation in**

Phaseolus vulgaris

TAŞPINAR M. S. , ARSLAN E., AYDIN M., SİĞMAZ B., AĞAR G.

Journal of the Institute of Science and Technology, cilt.7, ss.271-279, 2017 (Diğer Kurumların Hakemli Dergileri)

- **Determination of iron toxicity on DNA methylation in Zea mays**

TAŞPINAR M. S. , SİĞMAZ B., AYDIN M., ARSLAN E., AĞAR G.

International Journal of Advances in Science Engineering and Technology, cilt.3, ss.59-61, 2016 (Diğer Kurumların Hakemli Dergileri)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- **Role of Putrescine on Genomic Instability Caused by Salinity Stress in Triticum Aestivum L.**

ARSLAN E., AĞAR G., AYDIN M., TAŞPINAR M. S.

4th INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL APPLIED SCIENCE BIOLO, Ağrı, Türkiye, 19 - 22 June 2019, cilt.1, ss.341-348

- **B-estrodol as a Protective Hormone in DNA Methylation Changes of Dicamba-Treated Phaseolus Vulgaris**

ARSLAN E., AĞAR G., AYDIN M., TAŞPINAR M. S.

4th INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL APPLIED SCIENCE BIOLOG, Ağrı, Türkiye, 19 - 22 June 2019, cilt.1, ss.349-354

- **Salinity and putrescine effects on DNA methylation changes in Triticum aestivum**

TAŞPINAR M. S. , AYDIN M., ARSLAN E., SİĞMAZ B., AĞAR G.

European Biotechnology Congress, Dubrovnik, Hırvatistan, 25 - 27 May 2017, cilt.256

- **Aluminum Induced DNA Methylation Changes in Zea mays.**

AYDIN M., TAŞPINAR M. S. , ARSLAN E., YAGCI S., AĞAR G.

II. International Conference on Advances in Natural and Applied Sciences (ICANAS 2017), 18 - 21 April 2017

- **Dicamba Causes Genomic Instability in Phaseolus vulgaris Seedlings**

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International Conference on Advances in Natural and Applied Sciences (ICANAS), Antalya, Türkiye, 18 - 21 April 2017, cilt.1833

- **Study of Iron Genotoxicity Using RAPD in Phaseolus vulgaris**

AYDIN M., TAŞPINAR M. S. , ARSLAN E., AĞAR G.

International Agriculture Congress, Belgrade, Sırbistan Ve Karadağ, 14 - 18 November 2016

- **Role of Putrescine against Picloram Induced DNA Methylation in Phaseolus vulgaris**

ARSLAN E., TAŞPINAR M. S. , AYDIN M., AĞAR G.

International Conference On Biological Sciences (ICBS), Konya, Türkiye, 21 - 23 October 2016, cilt.1, ss.181

- **Determination of Aluminum Genotoxicity in Zea mays**

AYDIN M., TAŞPINAR M. S. , ARSLAN E., AĞAR G.

International Conference On Biological Sciences (ICBS), Konya, Türkiye, 21 - 23 October 2016, cilt.1, ss.55

- **Phaseolus vulgaris te Paraquatın Sebep Olduğu DNA Metilasyonuna Karşı östrodiolün Koruyucu Rolü**

ARSLAN E., YAĞCI S., SİĞMAZ B., AĞAR G., AYDIN M., KARADAYI G.

23. Ulusal Biyoloji Kongresi, Gaziantep, Türkiye, 5 - 09 September 2016

- **Mısırdaki Zea mays L Trifluralinin Sebep Olduğu DNA Hasarı ve Genomik Kararsızlığa Karşı Putresinin Koruyucu Rolü**

ARSLAN E., YAĞCI S., SİĞMAZ B., AĞAR G., TAŞPINAR M. S.

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- **Determination of Iron Toxicity on DNA Methylation in Zea Mays**

TAŞPINAR M. S. , SİĞMAZ B., AYDIN M., ARSLAN E., AĞAR G.

Proceedings of ISER 19th International Conference, LİZBON, Portekiz, 31 January 2016, ss.55-57

- **Protective Role of Putrescine on Genomic Instability Caused by Salinity Stress in Triticum aestivum**

AĞAR G., TAŞPINAR M. S. , AYDIN M., ARSLAN E., SİĞMAZ B.

8th International Conference on Chemical, Ecology and Environmental Sciences (ICCEES'2016), Dubai, Birleşik Arap Emirlikleri, 12 - 13 January 2016, ss.39-42

- **Vicia faba da Fipronilin Neden Olduđu Genomik Kararsızlık Üzerine Humik Asitin Etkisinin RAPD PCR ile Belirlenmesi**
ARSLAN E., TURAN M., TAŞPINAR M. S. , AĖAR G., DİZMAN M., GÜNEŞ A., GÜLLÜCE M., ŞAHİN F., KARAMAN M.
Türkiye Dođal Beslenme ve Yaşam Boyu Sağlık Zirvesi, Türkiye, 20 - 23 May 2015
- **Determination of effect of manganese toxicity on LTR RTS polymorphism in Zea mays**
TAŞPINAR M. S. , YIGIDER E., ARSLAN E., AĖAR G., AYDIN M.
1st International Conference on Engineering and Natural Sciences, ÜSKÜP, Makedonya, 15 - 19 May 2015
- **Effect of picloram on DNA methylation in common bean Phaseolus vulgaris L**
ARSLAN E., AYDIN M., TAŞPINAR M. S. , SIGMAZ B., YAGCI S., AĖAR G.
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1st International Conference on Engineering and Natural Sciences, ÜSKÜP, Makedonya, 15 - 19 May 2015
- **Protective Role Of Humic Acids On Genomic Instability Caused Paraquat In Phaseolus Vulgaris L. Seedlings By Using Rapds Analysis**
GÜLLÜCE M., ARSLAN E., AĖAR G., ÖĖÜTÇÜ H., ŞAHİN F.
International Global Issues In Multidisciplinary Academic Research Dubai- Uae, Dubai, Birleşik Arap Emirlikleri, 5 - 06 January 2015, ss.1
- **Role of Humic Acids on DNA Hypomethylation Caused Fipronil Stress in Vicia faba Seedlings**
TURAN M., ARSLAN E., AĖAR G., TAŞPINAR M. S. , GÜLLÜCE M., ÖĖÜTÇÜ H., ŞAHİN F.
the 17th meeting of IHSS 2014, Atina, Yunanistan, 1 - 05 September 2014, ss.1
- **Effects of Chromium Nitrate on Phytohormone Content and Mitotic Activity in Maize (Zea mays L.) Seedlings**
ERTÜRK F. A. , AĖAR G., ARSLAN E., GÜLLÜCE M., TURAN M., ŞAHİN F.
20th World Congress of Soil Science (WCSS), Seul, Güney Kore, 8 - 13 June 2014, ss.163
- **Protective Role of Humic Acids on DNA Methylation Caused Cadmium Stress in Vicia faba Seedlings**
AĖAR G., ARSLAN E., GÜLLÜCE M., TURAN M., ŞAHİN F.
20th World Congress of Soil Science (WCSS), Seul, Güney Kore, 8 - 13 June 2014, ss.220
- **Protective Role of Humic Acids on DNA Methylation Caused Cadmium Stress in Vicia faba Seedlings**
AĖAR G., ARSLAN E., GÜLLÜCE M., TURAN M., ŞAHİN F.
20th World Congress of Soil Science (WCSS), Seul, Güney Kore, 8 - 13 June 2014, ss.220
- **Effect of 2,4-D on DNA methylation in common bean (Phaseolus vulgaris L.).**
AYDIN M., ARSLAN E., TAŞPINAR M. S. , SIGMAZ B., AĖAR G.
2nd International Conference on Environmental Science and Technology, Antalya, Türkiye, 14 - 17 May 2014
- **Zea mays L. Tohumlarında Trifluralinin Neden Olduđu DNA Mutasyonundaki Deđişikliđin CRED-RA İle Belirlenmesi**
AĖAR G., ARSLAN E., GÜLLÜCE M., TURAN M., ŞAHİN F.
EKOLOJİ 2014, Gazimagusa, Kıbrıs (Kkct), 1 - 04 May 2014, ss.1
- **Phaseolus vulgaris L.' de Paraquatın Neden DNA Metilasyonundaki Deđişikliđin CRED-RA İle Belirlenmesi**
GÜLLÜCE M., ARSLAN E., AĖAR G., TURAN M., ŞAHİN F.
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- **Humik Asitin Trifluralinin Neden Olduđu DNA Mutasyonlarına Karşı Koruyucu Rolünün RAPD-PCR Yöntemi İle Belirlenmesi**
TURAN M., ARSLAN E., AĖAR G., GÜLLÜCE M., ŞAHİN F.
EKOLOJİ 2014, Gazimağusa, Kıbrıs (Gkry), 1 - 04 May 2014, ss.1
- **Determination of Epigenetic Effects of Fipronil on Vicia faba by using CRED-RA analysis**
GÜLLÜCE M., ERCİŞLİ S., AĖAR G., ARSLAN E., TURAN M., ŞAHİN F.
International Conference on Agricultural, Ecological and Medical Sciences (AEMS-2014), Bali, Endonezya, 6 - 07

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- **Protective role of Zinc on DNA methylation caused cadmium stress in Vicia faba seedlings**
AĞAR G., ERCİŞLİ S., GÜLLÜCE M., ARSLAN E., TURAN M., ŞAHİN F.
International Conference on Agricultural, Ecological and Medical Sciences (AEMS-2014), Bali, Endonezya, 6 - 07 February 2014, ss.1
- **Molecular determination of genotoxic effects of manganese (Mn) on maize (Zea mays L.) by RAPD**
ERTURK F. A. , Agar G., Arslan E., NARDEMİR G., Bozari S.
Eurobiotech Agriculture Symposium, Kayseri, Türkiye, 12 - 14 April 2012, cilt.161, ss.31
- **Genotoxic effects of copper (Cu) pollution on Zea mays (L.) seedlings**
ERTURK F. A. , Agar G., NARDEMİR G., Bozari S., Aksakal O., Arslan E.
Eurobiotech Agriculture Symposium, Kayseri, Türkiye, 12 - 14 April 2012, cilt.161, ss.30
- **Genotoxic potential of catmint essential oil**
Bozari S., Agar G., Aksakal O., AYGUN F., Arslan E., NARDEMİR G.
Eurobiotech Agriculture Symposium, Kayseri, Türkiye, 12 - 14 April 2012, cilt.161, ss.41
- **Epigenetic effects of malathion on seeds of Triticumaestivum**
NARDEMİR G., AĞAR G., YANMIS D., ERTURK F. A. , ARSLAN E., Bozari S.
Eurobiotech Agriculture Symposium, Kayseri, Türkiye, 12 - 14 April 2012, cilt.161, ss.31

Desteklenen Projeler

AYDIN M., AĞAR G., TAŞPINAR M. S. , ARSLAN E., Yükseköğretim Kurumları Destekli Proje, Fasulyede (Phaseolus vulgaris) Deltamethrin ve 5-Aminolevulinik asit (ALA) Uygulamasının Bazı Antioksidan Genlerin Ekspresyonuna ve Retrotranspozon Polimorfizmine Etkisi, 2018 - 2019

Atıflar

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