

# Prof. Dr. Nermin Gözükırmızı

1. Date of Birth : 18.06.1951
2. Title : Prof.Dr.
3. State of Education : Prof.Dr.
4. Current Institution : Istinye University

## **Education:**

BSc. Istanbul University, Faculty of Science, Botany- Zoology, Istanbul, 1972.  
Ph.D. University of Istanbul, Science Faculty, Department of Botany and Genetics, Istanbul 1979. Dissertation Title: "Effects of some chemicals and rays on *Vicia faba*".

Assoc. Prof. 1985, University of Istanbul, Science Faculty, Department of Molecular Biology and Genetics

Prof. 1992-2018, University of Istanbul, Science Faculty, Department of Molecular Biology and Genetics

## **Academic Appointments**

Academic Member of Istinye University, Head of Molecular Biology and Genetics Department since September, 2018.

Academic Member of Istanbul University since 1972 -2018 June.

Bioscience and Biomedical Engineering Faculty, Department of Biosciences and Bioengineering, University Technology, Malaysia, 21.04.2013 - 28.04.2013

The Scientific and Technological Research Council of Turkey , Research Institutes of Genetics Engineering & Biotechnology, Group leader, 1992-2006.

Visiting Scientist: Houston University, Biology Dept. 1979-1980.

## **Research Interest:**

Transposons,  
Endogenous  
retroviruses, Long non-  
coding RNAs  
Epigenetics,  
Plant Biotechnology

## Research Projects and Activities

1. NATO-TU "Biotechnology-Establishment and Promotion of New Biotechnological Techniques in Turkey" Establishment of Tissue Culture and Gene Transfer Systems in Barley 1991-1994.
2. NATO -TU Biotech; "Monoclonal Antibodies- Modification by recombinant DNA Technology and Exploitation", 1994-1998.
3. Plant Biotechnology (TUBITAK)1992-2000
4. Paulownia Tissue Culture and Propagation (TEKNOGEN Comp.)2000
5. Development of Biotechnologically Improved Poplar Clones, (Turkish Paper and Pulp Industries)1996-2000.
6. Eureka Cereal Stresstol-1322, 1996-2003.
7. Cotton tissue culture, gene transfer and fiber improvement (Turkish Textile Foundation), 2002-2006.
8. Fluorescence in situ hybridization and molecular marker applications for determination of drought related sequences in barley (*Hordeum vulgare* L.). Research Foundation of Istanbul University Grant No.1676.
9. Effect of Brassinosteroids on embryonic tissue and fiber development. Research Foundation of Istanbul University Grant No. 163/15012004.
10. Cytogenetic studies on brassinosteroid treated tissue cultures. Foundation of Istanbul University Grant No. 618/15122006.
11. Epigenetic studies on barley tissue cultures. Foundation of Istanbul University Grant No.2970/2008
12. Cytogenetic studies of barley tissue cultures under brassinosteroid effects. Foundation of Istanbul University 618/15122006.
13. Transposon analyses of barley tissue cultures and regenerated plantlets. Foundation of Istanbul University 5501/2011-
14. Brassinosteroid effects on barley root development (*Hordeum vulgare* L) grown under salt (NaCl) stress. Foundation of Istanbul University Grant No Grant No 39824.
15. Transposon Analyses in rice (*Oryza sativa* L.). Foundation of Istanbul University Grant No 50083.
16. Investigations on Long Non-coding RNAs in Barley (*Hordeum vulgare* L.) Scientific Research Projects Coordination Unit of Istanbul University under Grant number: FDK- 2016-23086
17. Transposon and endogenous retrovirus analyses in human genome. Scientific Research Projects Coordination Unit of Istanbul University under Grant number: FDK- FDK-2017-22142
18. Retrotransposon Temelli Kısa-Sürekli Mutagen/Karsinogen Testlerinin Bitki Materyalinde Geliştirilmesi Yolunda Çalışmalar konulu proje.
19. Alaaddin Korkut, Abdullah Karaman, Arpada (*Hordeum vulgare* L.) HERVK analizleri, TÜBİTAK Öğrenci projesi

## International Publications:

KARLIK ELİF., ARI Ş., GÖZÜKIRMIZI NERMİN (2019), LncRNAs: genetic and epigenetic effects in plants, *Biotechnology and Biotechnological Equipment*, 33(1):429-439.

MARAKLI SEVGI, CALIS A., GÖZÜKIRMIZI NERMİN (2019), Determination of Barley-Specific Retrotransposons' Movements in *Pinus nigra* ssp. *pallasiana* Varieties: *pyramidata* and *Seneriana*, *Russian Journal of Genetics*, 55(1)79-86.

YILMAZ SİBEL., MARAKLI SEVGİ, YUZBASIOĞLU GOZDE., GÖZÜKIRMIZI NERMİN. (2018), Short-term mutagenicity test by using IRAP molecular marker in rice grown under herbicide treatment, *Biotechnology and Biotechnological Equipment*, 32(4):923-928.

KARLIK ELİF., GÖZÜKIRMIZI NERMİN (2018), Expression analysis of lncRNA AK370814 involved in barley vitamin salvage pathway under salinity. *Molecular Biology Reports* 45(6):1597-1609.

ÇAKMAK BUKET., MARAKLI SEVGİ., KARLIK ELİF., GÖZÜKIRMIZI NERMİN (2018)

"Detection of HERV-K6 and HERV-K11 Transpositions in the Human Genome", *Biomedical Reports*, 8(6):1-5, 2018.

ELIF KARLIK, GÖZÜKIRMIZI NERMİN (2018). Evaluation of Barley LncRNA Expression Analysis in Salinity Stress. *Russian Journal of Genetics*, 54(2), 198-204.

KARLIK ELIF, MARAKLI SEVGI, GÖZÜKIRMIZI NERMİN (2018). Two lncRNAs Expression Profiles in Salt Stressed Barley (*Hordeum vulgare* L.) Roots. *Cytologia*, 83(1), 37-43.

MARAKLI SEVGI, GÖZÜKIRMIZI NERMİN (2018). Analyses of abiotic stress and brassinosteroid related some genes in barley roots grown under salinity stress and HBR treatments Expression profiles and phylogeny. *Plant Biosystems*, 152(3), 324-332.

VATANSEVER RECEP, ÖZYIGIT İBRAHİM İLKER, FILİZ ERTUGRUL, GÖZÜKIRMIZI

NERMİN (2017). Genome-wide exploration of silicon (Si) transporter genes, *Lsi1* and *Lsi2* in plants insights into Si accumulation status/capacity of plants. *Biometals*, Doi: 10.1007/s10534-017-9992-2

GÖZÜKIRMIZI NERMİN, YÜZBASIOĞLU GÖZDE, YILMAZ SİBEL (2017). DNA

fingerprinting in rice (*Oryza sativa* L.) with transposon markers. *Acta Horticulturae* (1187), 251-260.

ÇAKMAK BUKET, MARAKLI SEVGI, GÖZÜKIRMIZI NERMİN (2017). Sukkula retrotransposon movements in the human genome. *Biotechnology and Biotechnological Equipment*, 31(4), 756- 760.

YÜZBASIOĞLU GÖZDE, YILMAZ SİBEL, GÖZÜKIRMIZI NERMİN (2016). Houba

retrotransposon based molecular markers a tool for variation analysis in rice. *Turkish Journal of Agriculture and Forestry*, 40, 456-464.

YÜZBASIOĞLU GÖZDE, YILMAZ SİBEL, MARAKLI SEVGI, GÖZÜKIRMIZI NERMİN (2016). Analysis of Hopi Osr27 and Houba Tos5 Osr13 retrotransposons in rice. *Biotechnology and Biotechnological Equipment*, 30(2), 213-218.

KARLIK ELIF, GÖZÜKIRMIZI NERMİN (2016). New Player of ncRNAs Long Non coding RNAs. Journal of Analytical & Pharmaceutical Research, 3(4), 64-68.

IGIEBOR FREDDY CAN, MARAKLI SEVGI, GÖZÜKIRMIZI NERMİN (2016). Effects of

Cadmium on Sukkula Retrotransposon Polymorphism in *Ailanthus altissima* Mill Swingle. Journal of Molecular Biology and Genetics, 1(1), 33-36.

BÜRÜN KEVSER BETÜL, MARAKLI SEVGI, GÖZÜKIRMIZI NERMİN (2016). Alleviation

of Cupper Stress with Homobrassinosteroid in Germinating Sunflower Roots. Fresenius Environmental Bulletin, 25(11), 4872-4878.

TEMEL ASLIHAN, GÖZÜKIRMIZI NERMİN (2015). Cytotoxic Effects of Metaphase Arresting Methods in Barley. Cytology and Genetics, 49(6), 382-387.

TEMEL ASLIHAN, GÖZÜKIRMIZI NERMİN (2015). Genotoxicity of Metaphase Arresting Methods in Barley. Turkish Journal of Biology, 39, 139-146.

ÇAKMAK BUKET, MARAKLI SEVGI, GÖZÜKIRMIZI NERMİN (2015). SIRE1 Retrotransposons in Barley *Hordeum vulgare* L RUSSIAN JOURNAL OF GENETICS vol 51 (7) ;661 672. Russian Journal of Genetics, 51(7), 661-662.

TEMEL ASLIHAN, GÖZÜKIRMIZI NERMİN (2015). Physiological and Molecular Changes in Barley and Wheat under Salinity. Applied Biochemistry and Biotechnology, 175(6), 2950-2960., Doi: DOI: 10.1007/s12010-014-1464-3.

MARAKLI SEVGI, TEMEL ASLIHAN, GÖZÜKIRMIZI NERMİN (2014). Analyses of Salt Stress and Homobrassinosteroid Interactions during Germination in Barley Roots. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 42(2), 446-452.

GÖZÜKIRMIZI NERMİN (2014). Sukkula retrotransposon insertion polymorphism in barley. Russian Journal of Plant Physiology, 61, 828-833.

SAHIN KANIYE, YILMAZ SIBEL, GÖZÜKIRMIZI NERMİN (2014). Changes in Human Sirtuin 6 Gene Promoter Methylation during Aging. Biomedical reports, 2, 574-578.

YILMAZ SIBEL, MARAKLI SEVGI, GÖZÜKIRMIZI NERMİN (2014). Bagy2 Retrotransposon Analyses in Barley Calli Cultures and Regenerated Plantlets. Biochemical Genetics, 52(5-6), 233-244., Doi: 10.1007/s10528-014-9643-z.

HAMAD MECBUR HALIDE, YILMAZ SIBEL, TEMEL ASLIHAN, SAHIN KANIYE, GÖZÜKIRMIZI NERMİN (2014). Effects of Epirubicin on Barley Seedlings. Toxicology and Industrial Health, 30, 52-59.

YILMAZ SIBEL, GÖZÜKIRMIZI NERMİN (2013). Variation of retrotransposon movements in callus culture and regenerated shoots of barley. Biotechnology and Biotechnological Equipment, 27(6), 4227-4230.

DEMIRKIRAN AYKUT, MARAKLI SEVGI, TEMEL ASLIHAN, GÖZÜKIRMIZI NERMİN (2013). Genetic and Epigenetic Effects of Salinity On in vitro Growth of Barley. Genetics and Molecular Biology, 36(4), 566-570.

KAYA YILMAZ, YILMAZ SIBEL, MARAKLI SEVGI, GÖZÜKIRMIZI NERMİN, HUYOP FAHRUL ZAMAN (2013). Transformation of *Nicotiana tabacum* with Dehe Gene. Journal of Food, Agriculture & Environment, 11, 777-78

ÖZYIGIT IBRAHİM ILKER, GÖZÜKIRMIZI NERMİN (2009). Efficient Shoot and Root Formation from Shoot Apices of Cotton. Russian Journal of Plant Physiology, 56(4), 527- 531.

TEMEL ASLIHAN, GÖZÜKIRMIZI NERMİN (2013). Analysis of Retrotransposition and DNA Methylation in Barley Callus Culture. Acta Biologica Hungarica, 64(1), 90-99

GULIEV MEHRAB, YILMAZ SIBEL, SAHİN KANIYE, MARAKLI SIBEL, GÖZÜKIRMIZI NERMİN (2013). Human endogenous retrovirus Herv H genome insertion variations in humans. Molecular Medicine Reports, 7(2), 1305-1309.

TEMEL ASLIHAN, GÖZÜKIRMIZI NERMİN (2013). Analysis of Retrotransposition and DNA Methylation in Barley Callus Culture. Acta Biologica Hungarica, 64(1), 86-95.

KAYA YILMAZ, YILMAZ SIBEL, GÖZÜKIRMIZI NERMİN, HUYOP FAHRUL ZAMAN (2013). Evaluation of Transgenic *Nicotiana tabacum* with Dehe Gene Using Transposon Based IRAP Markers. American Journal of Plant Sciences, 4, 41- 44.

KAYA YILMAZ, MARAKLI SEVGI, GÖZÜKIRMIZI NERMİN, MOHAMMED ELL, JAVED MA, HUYOP FAHRUL (2013). Herbicide Tolerance Genes Derived from Bacteria. Journal of Animal and Plant Sciences, 23(1), 85-91.

MARAKLI SEVGI, YILMAZ SIBEL, GÖZÜKIRMIZI NERMİN (2012). BARE1 and BAGY2 Retrotransposon movements and expression Analyses in Developing Barley Seedlings. Biotechnology and Biotechnological Equipment, 26(6), 3451-3456.

TEMEL ASLIHAN, GÖZÜKIRMIZI NERMİN (2012). Effects of Homobrassinolide in Barley Callus Culture. Plant, Soil and Environment, 58(10), 441-445.

BAYRAM EMRE, YILMAZ SIBEL, HAMAT MECBUR HALIDE, KARTAL ALAÇAM GÖNÜL, GÖZÜKIRMIZI NERMİN (2012). *Nikita* retrotransposon movements in barley *Hordeum vulgare* L callus culture. Plantomics, 5(3), 211-215.

CAVUSOĞLU AYSUN, İPEKÇİ ALTAS ZELİHA, BAJROVIĆ KASIM, GÖZÜKIRMIZI NERMİN, ZEHIR AHMET (2012). Somatic embryogenesis of *Populus deltoides*. Romanian Biotechnological Letters, 17(1), 6876-6881.

GÜREL AYŞE FİLİZ, ARICAN ERCAN, GÖZÜKIRMIZI NERMİN (2011). Recent molecular tools for detection transgenic events in genetically modified GM crop products. Scientific Research and Essays, 6(24), 5091-5099.

SAHİN KANIYE, YILMAZ SIBEL, TEMEL ASLIHAN, GÖZÜKIRMIZI NERMİN (2011). DNA Methylation variations between mono and dizygotic twins. Romanian Biotechnological Letters, 16(4), 6460-6466.

ÇAVUSOĞLU AYSUN, İPEKÇİ ATLAS ZELİHA, BAĞROVIÇ KASIM, GÖZÜKİRMİZİ NERMİN, ZEHİR AHMET (2011). Direct and Indirect Plant Regeneration from Various Explants of Eastern Cottonwood Clones *Populus deltoides* Bartram Ex Marsh with Tissue Culture. *African Journal of Biotechnology*, 16, 3216-3621.

KARAKAS OZGE, UÇARLI CÜNEYT, GÖZÜKİRMİZİ NERMİN, GÜREL AYSE FILİZ (2011). Assessment of barley *Hordeum vulgare* L mature embryos for *Agrobacterium* mediated transformation. *Journal of Applied Biological Sciences*, 4(3), 101-104.

EVRENSEL CAN, YILMAZ SİBEL, TEMEL ASLIHAN, GÖZÜKİRMİZİ NERMİN (2011). Variations in BARE 1 insertion patterns in barley callus cultures. *Genetics and Molecular Biology Research*, 10(2), 980-987

AY MUSTAFA, DÖLEK BILGEN, ERDEM GUNHAN, DEVECİOĞLUOMER, GÖZÜKİRMİZİ NERMİN (2011). Is There Any Correlation between The Elevated Plasma Levels and Gene Variations of Factor VIII in Turkish Thrombosis Patients. *Clinical and Applied Thrombosis/Hemostasis*, 17(1), 46-50.

EREN BARIŞ, OZCAN DİLEK, ARICAN ERCAN, GÖZÜKİRMİZİ NERMİN (2009). Toxic effects of copper on barley embryos. *Fresenius Environmental Bulletin*, 18(5), 682-686. KARTAL GÖNÜL, TEMEL ASLIHAN, ARICAN ERCAN, GÖZÜKİRMİZİ NERMİN (2009).

Effects of brassinosteroids on barley root growth antioxidant system and cell division. *Plant Growth Regulation*, 58(2), 261-267.

TEMEL ASLIHAN, SENTÜRK AKFİRAT FUNDA, ERTUGRUL FİLİZ, YUMURTACI A, AYDIN YILDIZ, TALAS OGRAS TIJEN, GÖZÜKİRMİZİ NERMİN, BOLAT N, BELEN SAVAS, YILDIRIM M, CAKMAK MUSTAFA, OZDEMİR EVRİM, CETİN L, MERT ZAFER, SİPAHİ HULYA, ALBUSTAN S, AKAN K, DUSUNCELI F, ALTINKUT UNCUOĞLU AHU

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ARICAN ERCAN, ALBAYRAK GÜLRUH, GÖZÜKİRMİZİ NERMİN (2008). Calli cultures

from *Abies equi trojani* Aschers et Sinten and Changes in Antioxidant Defence System Enzymes. *Journal of Environmental Biology*, 29(6), 841-844. (Yayın No: 137440)

TEMEL ASLIHAN, KARTAL GÖNÜL, GÖZÜKİRMİZİ NERMİN (2008). Genetic and epigenetic variations in barley calli cultures. *Biotechnology and Biotechnological Equipment*, 22(4), 911-914.

ARICAN ERCAN, GÖZÜKİRMİZİ NERMİN (2008). Effects of hyperbaric oxygenation on cultured barley embryos. *Acta Biologica Hungarica*, 59(4), 453-464.

ÖZYİĞİT İBRAHİM İLKER, GÖZÜKİRMİZİ NERMİN (2008). High Efficiency Shoot and Root Formation from Cotyledonary Nodes of Cotton *Gossypium hirsutum* L. *Pakistan Journal of Botany*, 40(4), 1665-1672.

ÖZYİĞİT İBRAHİM İLKER, GÖZÜKİRMİZİ NERMİN, SEMİZ BELMA DERMAN (2007).

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DÖLEK BILGEN, ERASLAN SERPİL, EROĞLU SEVİM, KESİM EROĞLU BELGİN, ULUTIN TURGUT, YALÇINER ALTAN, LALELİ YAHYA R, GÖZÜKIRMIZI NERMİN

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Callus induction plant regeneration from mature embryos of sunflower. Russian Journal of Plant Physiology, 53(4), 621-624.

AYDIN YILDIZ, TALAS OGRAS TIJEN, İPEKÇİ ATLAS ZELİHA, GÖZÜKIRMIZI

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VARDAR FİLİZ, ARICAN ERCAN, GÖZÜKIRMIZI NERMİN (2006). Effects of aluminum

on in vitro root growth and seed germination of tobacco *Nicotiana tabacum*. Clinical and Applied Trombosis/Hemostasis, 28(2), 85-88.

TALAS OGRAS TIJEN, İPEKÇİ ZELİHA, BAJROVIÇ KASIM, GÖZÜKIRMIZI NERMİN

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AYDIN YILDIZ, İPEKÇİ ZELİHA, TALAS OGRAS TIJEN, ZEHİR AHMET, BAJROVIÇ

KASIM, GÖZÜKIRMIZI NERMİN (2004). High frequency somatic embryogenesis in cotton. Biologia Plantarum, 48(4), 491-495.

GÖZÜKIRMIZI NERMİN, İPEKÇİ ZELİHA (2004). Indirect somatic embryogenesis and plant regeneration from leaf and internode explants of *Paulownia elongata*. Plant Cell, Tissue and Organ Culture, 79(3), 341-345.

ARICAN ERCAN, GÖZÜKIRMIZI NERMİN (2003). Reduced Polyphenol Oxidase Activity in Transgenic Potato Plants Associated with Reduced Wound Inducible Browning Phenotypes. Biotechnology and Biotechnological Equipment, 2(17), 15-21.

İPEKÇİ ZELİHA, GÖZÜKIRMIZI NERMİN (2003). Direct somatic embryogenesis and synthetic seed Production from *Paulownia elongata*. Plant Cell Reports, 22(2), 16-24.

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ÖZTÜRK ZAHIDE NESLIHAN, TALAME VALENTINA, DEYHOLOS MICHAEL, MICHALOWSKI CHRISTINE B, GALBRAITH DAVID W, GÖZÜKIRMIZI NERMİN,

TUBEROSA ROBERTO, BOHNERT HANS J (2002). Monitoring Large Scale Changes in Transcript Abundance in Drought and Salt stressed Barley. *Plant Molecular Biology*, 48(56), 551-573.

OZYIGIT IBRAHİM İLKER, BAJROVIC KASIM, GÖZÜKIRMIZI NERMİN, SEMİZ BELMA

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NESLIHAN, GÖZÜKIRMIZI NERMİN (2001). Investigations on Biotechnologically Developed Poplar Clones as Raw Material for Pulp and Paper Industry. *Biotechnology and Biotechnological Equipment*, 15(2), 39-43.

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TALAS OGRAS TIJEN, KAZAN KEMAL, GÖZÜKIRMIZI NERMİN (2001). Decreased Peroxidase Activity in Transgenic Tobacco and Its Effect on Lignification. *Biotechnology Letters*, 23(1), 267-273.

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Peroxidase Activity is Associated with Reduced Lignin Content in Transgenic Poplar. *Plant Biotechnology*, 16(1), 381-387.

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Naphthalene Acetic Acid on Transformation Frequency of Potato and Tobacco via *Agrobacterium rhizogenes*. *Biotechnology and Biotechnological Equipment*, 12(1), 29- 33.

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NERMİN (2004). High Frequency Callus Induction Somatic Embryo Formation and Plant Regeneration From Different Explants of Cotton. FESPB Congress, 1(1), 18

### **Undergraduate and graduate courses were given during the last 2 years:**

**BSc.:** Basic Genetics , Human Genetics, Plant Tissue Culture, Plant Molecular Biology, Chromosome Biology, Developmental Genetics, Graduation Project, Temel Genetik, Introduction to Molecular Biology and Genetics, Genetik Mühendisliği ve Biyoteknoloji, Beslenme ve Genetik, Basic Genetics

**Master:** Gene Transfer to Plants, Plant Molecular Biology and Genetics Laboratory Project, Non-coding DNAs.

**Ph.D.:** Functional Genomics, Recombinant Protein Production and Isolation in Plants

## Thesis supervised:

### MSc.Thesis:

ÇAKMAK BUKET, (2014). Arpa'da (*Hordeum vulgare* L.) endojen sirevirüs analizi, İstanbul Üniversitesi-Fen Bilimleri Enstitüsü-Moleküler Biyoloji ve Genetik Anabilim Dalı CEYLAN KEYSER BETÜL, (2014). Bakır stresi ve brassinosteroidlerin ayçiçeği (*Helianthus annuus* L.) üzerine etkileri, İstanbul Üniversitesi-Fen Bilimleri Enstitüsü-Moleküler Biyoloji ve Genetik Anabilim Dalı

GULIYEV MEHRAB, (2012). İnsan endojen retrovirus H (HERV-H)'ın genomik analizi, İstanbul Üniversitesi-Fen Bilimleri Enstitüsü-Moleküler Biyoloji ve Genetik Anabilim Dalı MARAKLI SEVGİ, (2012). Arpa (*Hordeum vulgare* L.) kültür varyetelerinde transpozon ve kromozom analizleri, İstanbul Üniversitesi-Fen Bilimleri Enstitüsü-Moleküler Biyoloji ve Genetik Anabilim Dalı

DEMIRKIRAN AYKUT, (2012). Doku kültüründe tuz (NaCl) stres koşullarında yetistirilen arpa (*Hordeum vulgare* cvs. L.) bitkilerinde genetik ve epigenetik analizler, İstanbul Üniversitesi-Fen Bilimleri Enstitüsü-Moleküler Biyoloji ve Genetik Anabilim Dalı BAYRAM EMRE, (2011). Arpa (*Hordeum vulgare* L.) doku kültürlerinde nikita retrotranspozonunun hareketleri, İstanbul Üniversitesi-Fen Bilimleri Enstitüsü-Moleküler Biyoloji ve Genetik Anabilim Dalı

SAHİN KANIYE, (2010). Tek yumurta ikizlerinde metilasyon analizleri, İstanbul Üniversitesi-Fen Bilimleri Enstitüsü-Moleküler Biyoloji ve Genetik Anabilim Dalı EVRENSEL CAN, (2010). Arpa (*Hordeum vulgare* L.) doku kültürlerinde transpozon analizi, İstanbul Üniversitesi-Fen Bilimleri Enstitüsü-Moleküler Biyoloji ve Genetik Anabilim Dalı

KARTAL GÖNÜL, (2008). Brassinosteroidlerin arpada (*Hordeum vulgare* L.) kök büyümesi, antioksidant sistem ve hücre bölünmesi üzerine etkileri, İstanbul Üniversitesi-Fen Bilimleri Enstitüsü->Moleküler Biyoloji ve Genetik Anabilim Dalı

EREN BARIS, (2007). Arpa (*Hordeum vulgare* L.) bitkisinde bakırın in vitro koşullarda kök gelişimi üzerine etkileri, İstanbul Üniversitesi-Fen Bilimleri Enstitüsü-Moleküler Biyoloji ve Genetik Anabilim Dalı

TEMEL ASLIHAN, (2006). Yr10 buğday (*Triticum aestivum* L.) sarı pas (*Puccinia striiformis*) dayanıklılık geninin ekmelek buğday çeşitlerinde taranması, İstanbul Üniversitesi-Fen Bilimleri Enstitüsü-Moleküler Biyoloji ve Genetik Anabilim Dalı

ÖZCAN DİLEK, (2003). Doku kültüründe yetistirilen arpa (*Hordeum vulgare* L.) fidelerinin gelişimi ve peroksidaz enzimi üzerine bakırın (Cu<sup>2+</sup>) etkilerinin incelenmesi, İstanbul Üniversitesi-Fen Bilimleri Enstitüsü-

DÖLEK BILGEN, (2001). Tuz stresinin *Phaseolus vulgaris* L.'in çimlenmesi ve gelişmesi üzerine etkileri, İstanbul Üniversitesi-Fen Bilimleri Enstitüsü-

HAMAT HALİDE, (1999). Isırgan (*Urtica dioica* L.) ve arpa (*Hordeum vulgare* L.) bitkilerinden elde edilen ekstraktların bitkisel tümörler üzerine etkilerinin araştırılması, İstanbul Üniversitesi-Fen Bilimleri Enstitüsü-

IPEKÇI K. ZELİHA, (1997). *Populus tremula* (Titrek kavak) doku kültürlerine peroksidaz genlerinin *Agrobacterium tumefaciens* aracılığı ile aktarılması, İstanbul Üniversitesi-Fen Bilimleri Enstitüsü-

ALTINKUT AHU, (1996). Cicer arietinum L.'de doku kültürlerinin kurulması ve gen transfer sistemlerinin optimizasyonu, İstanbul Üniversitesi-Fen Bilimleri Enstitüsü-

KANTARCI SIBEL, (1996). Türk kistik fibroz ailelerinde F508 ve 1677'de /TA mutasyonlarının taranması, İstanbul Üniversitesi-Fen Bilimleri Enstitüsü-Biyoloji Anabilim Dalı

ARICAN ERCAN, (1995). Tütün ve patatesteki *Agrobacterium rhizogenes* ile transformasyon, İstanbul Üniversitesi-Fen Bilimleri Enstitüsü-Biyoloji Anabilim Dalı

ÇOBANOĞLU GÜLRUH, (1994). Arpa genomunun moleküler analizi, İstanbul Üniversitesi-Fen Bilimleri Enstitüsü-Biyoloji Anabilim Dalı

GÜREL AYSE FILİZ, (1993). Arpada çeşitliliğin moleküler düzeyde tanımlanması, İstanbul Üniversitesi-Fen Bilimleri Enstitüsü-

EKMEKÇİLER SULE, (1985). PH'nın *Schizosaccharomyces pombe*'nin purin salgılayan ade 2 mutantında üreme ve salgılama üzerindeki etkileri, İstanbul Üniversitesi-Fen Bilimleri Enstitüsü-Biyoloji Anabilim

#### **Ph.D.Thesis:**

KARLIK ELİF (2018). Investigations on Long Non-coding RNAs in Barley (*Hordeum vulgare* L.) İstanbul Üniversitesi-Fen Bilimleri Enstitüsü-Biyoteknoloji Anabilim Dalı

ÇAKMAK GÜNER BUKET, (2018). İnsan genomunda retrotranspozon ve endojen retrovirüs analizleri, İstanbul Üniversitesi-Fen Bilimleri Enstitüsü-Moleküler Biyoloji ve Genetik Anabilim Dalı

MARAKLI SEVGİ, (2016). Tuz stresi altında yetiştirilen arpa (*Hordeum vulgare* L.) bitkilerinde homobrassinolid etkisi, İstanbul Üniversitesi-Fen Bilimleri Enstitüsü-Moleküler Biyoloji ve Genetik Anabilim Dalı

YÜZBASIOĞLU GÖZDE, (2016). Pirinç' de (*Oryza sativa* L.) GDO ve transpozon analizleri, İstanbul Üniversitesi-Fen Bilimleri Enstitüsü-Moleküler Biyoloji ve Genetik Anabilim Dalı

SAHİN KANIYE, (2014). İnsanda SIRT6 geninde yaşlanmaya bağlı meydana gelen genetik ve epigenetik değişiklikler, İstanbul Üniversitesi-Fen Bilimleri Enstitüsü-Moleküler Biyoloji ve Genetik Anabilim Dalı

YILMAZ SIBEL, (2013). Arpa (*Hordeum vulgare* L.) doku kültüründe retrotranspozon hareketlerinin ve ürünlerinin belirlenmesi, İstanbul Üniversitesi-Fen Bilimleri Enstitüsü-Moleküler Biyoloji ve Genetik Anabilim Dalı

KAYA YILMAZ (2013) Transformation of *Nicotiana tabacum* with dehE gene. University Technology Malaysia, Ortak Danışman.

KARTAL ALAÇAM GÖNÜL, (2013). Arpa (*Hordeum vulgare* L.) doku kültüründe sukkula retrotransposon hareketlerinin belirlenmesi, İstanbul Üniversitesi-Fen Bilimleri Enstitüsü- Moleküler Biyoloji ve Genetik Anabilim Dalı

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HAMAT MECBUR HALIDE, (2011). Antikarsenogenik antibiyotik Epirubicin'in in vitro bitki gelişimi üzerine etkileri, İstanbul Üniversitesi-Fen Bilimleri Enstitüsü- Moleküler Biyoloji ve Genetik Anabilim Dalı

AY MUSTAFA, (2008). Venöz tromboli hastalarında faktör VIII gen bölgesinin moleküler tanısı, İstanbul Üniversitesi-Fen Bilimleri Enstitüsü-Moleküler Biyoloji ve Genetik Anabilim Dalı

DÖLEK BILGEN, (2004). Kalıtsal trombofilinin moleküler analizi, İstanbul Üniversitesi-Fen Bilimleri Enstitüsü-Moleküler Biyoloji ve Genetik Anabilim Dalı

IPEKÇİ K. ZELİHA, (2002). *Paulownia elongata*'nın doku kültürü sistemlerinin optimizasyonu ve sentetik tohum üretimi, İstanbul Üniversitesi-Fen Bilimleri Enstitüsü- ARICAN ERCAN, (2001). Patates (*Solanum tuberosum* L.) çeşitlerinde polifenol oksidaz genleri üzerine çalışmalar, İstanbul Üniversitesi-Fen Bilimleri Enstitüsü-Biyoloji Anabilim Dalı

ALTINKUT UNCUOĞLU AHU, (2001). Arpa (*Hordeum vulgare* L.) ve buğday (*Triticum aestivum* L.)'da kuraklığa dirençli bitkilerin biyoteknolojik yöntemlerle tanımlanması, İstanbul Üniversitesi-Fen Bilimleri Enstitüsü-

ALBAYRAK GÜLRUH, (2000). Nohutta (*Cicer arietinum*) antraknoza (*Ascochyta rabiei*) dirençli ve hassas genotiplerin moleküler markırlarla incelenmesi, İstanbul Üniversitesi- Fen Bilimleri Enstitüsü-Biyoloji Anabilim Dalı

BAJROVIC KASIM, (1997). Titrek kavak (*Populus tremula*) bitki doku kültürlerinin kurulması ve lignin biyosentezi ile ilgili genlerin transformasyonu çalışmaları, İstanbul Üniversitesi-Fen Bilimleri Enstitüsü-Diger

GÜREL AYSE FILİZ, (1997). Monokotil bitkilerde transformasyon çalışmaları, İstanbul Üniversitesi-Fen Bilimleri Enstitüsü-

ARI SULE, (1991). X ve gamma ısınlarının arpa doku kültürlerine etkileri, İstanbul Üniversitesi-Fen Bilimleri Enstitüsü-Biyoloji Anabilim Dalı

### **Editorial Activities:**

Manas Tarım Veteriner ve Yaşam Bilimleri Dergisi / Manas Journal of Agriculture Veterinary and Life Science Manas, 19.11.2017 -

Genetics and Application, Bosnia, 29.06.2017 - Journal of Cell and Molecular Biology, 02.12.2016 - MOLBİGEN, 24.11.2016 -

Plant Breeding and Genetics, Editörler Kurulu Üyesi, 01.01.2016 - Journal of Plant breeding and Genetics, 06.03.2012 -

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