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Personal Information

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Education Information

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Biyoloji (Dr), Turkey 1994 - 1998

Postgraduate, Cleveland State University, Biology- Master Degree, United States Of America 1992 - 1994

Undergraduate, Middle East Technical University, Fen-Edebiyat Fakültesi, Biyolojik Bilimler Bölümü, Turkey 1983 - 1988

Dissertations

Doctorate, Poli ADP-Ribuz polimeraz psödogeninin Türk toplumunda normal bireylerde ve değişik kanser tiplerinde moleküler analizi, Ankara University, Fen Bilimleri Enstitüsü, Biyoloji (Dr), 1998

Postgraduate, a, Cleveland State University, Biology- Master Degree, 1994

Research Areas

Bioinformatics, Biotechnology, Molecular Biology and Genetics

Academic Titles / Tasks

Professor, Ankara University, Fen Fakültesi, Biyoloji Bölümü, 2011 - Continues

Associate Professor, Ankara University, Fen Fakültesi, Biyoloji Bölümü, 2006 - 2011

Academic and Administrative Experience

Ankara University, 2021 - Continues

Ankara University, 2017 - Continues

Ankara University, 2017 - 2020

Ankara University, 2010 - 2013

Courses

Doctorate

MOLEKÜLER BİYOLOJİDE SON GELİŞMELER, Doctorate, 2023 - 2024, 2022 - 2023

POLİMERAZ ZİNCİR REAKSİYONU (PCR) VE UYGULAMA ALANLARI, Doctorate, 2023 - 2024, 2022 - 2023

Undergraduate

Ökaryot Genetiği, Undergraduate, 2023 - 2024, 2022 - 2023

Kök Hücreleri, Undergraduate, 2023 - 2024, 2022 - 2023

Moleküler Biyoloji II, Undergraduate, 2023 - 2024, 2021 - 2022

GENETICS OF EUKARYOTIC, Undergraduate, 2023 - 2024, 2022 - 2023

STEM CELLS , Undergraduate, 2022 - 2023, 2021 - 2022

MOLECULAR BIOLOGY I, Undergraduate, 2023 - 2024, 2022 - 2023

SPECIAL PROJECT I, Undergraduate, 2023 - 2024

Arazi Uygulamaları, Undergraduate, 2022 - 2023, 2021 - 2022

LABORATORY OF GENERAL BIOLOGY I, Undergraduate, 2022 - 2023, 2021 - 2022

General Biology, Undergraduate, 2022 - 2023, 2021 - 2022

MOLEKÜLER BİYOLOJİSİ I, Undergraduate, 2022 - 2023, 2021 - 2022

Supervised Theses

ARAS E. S., Investigation of the apoptotic effect of vulpinic acid on the melanoma cancer cell, Postgraduate, S.YANGIN(Student), 2021

ARAS E. S., Genome-wide identification of drought responsive hsp70 in common bean, Postgraduate, M.TANRISEVEN(Student), 2020

ARAS E. S., The effect of different heavy metals on the Eisenia andrei (soil worm) on the gene expression level, Postgraduate, A.AŞKIN(Student), 2020

YILMAZ E., ARAS E. S., The role of glutamine transport and metabolism in the insulin resistance and endoplasmic reticulum stress, Doctorate, G.AYDOĞDU(Student), 2019

ARAS E. S., Wistar albino tip rat karaciğerinde sisplatin ve camp'nin toksik ve antitoksik etkilerin gen ifadesi düzeyinde karşılaştırılması, Postgraduate, K.DEON(Student), 2019

ARAS E. S., Genome-wide identification and characterization of whirly and Arr-B genes in common bean (Phaseolus vulgaris L.) and assessment of their possible role in biotic stress response at gene expression level, Doctorate, F.ŞEYMA(Student), 2019

ARAS E. S., Analysis of mrna expression levels of TCP gene family transcription factors using real-time PCR method in chromium (VI) stressed common bean (Phaseolus vulgaris L.), Postgraduate, S.KESKİN(Student), 2019

ARAS E. S., Investigation of CAMTA and YABBY genes at gene expression level under heavy metal stress in common bean, Doctorate, E.KÖSEOĞLU(Student), 2019

ALTINDAĞ A., ARAS E. S., Çeşitli vücut sıvılarına maruz kalmış çim bitkisinde β -actin gen ifadesindeki farklılıkların değerlendirilmesi, Postgraduate, G.ONGUN(Student), 2019

ARAS E. S., Investigation of the Yabby and Dof transcription factors at gene expression level during drought stress conditions in Phaseolus vulgaris L. and the effect of salicylic acid, Postgraduate, A.GİZEM(Student), 2019

ARAS E. S., Kana maruz kalmış toprakta 16S rRNA analizlerine göre aktinomiset çeşitliliğinin belirlenmesi, Postgraduate, H.FARAH(Student), 2019

ARAS E. S., Biosynthesis of silver nanoparticles from Phaseolus vulgaris L. and investigation of their antifungal activities, Postgraduate, E.EDİZ(Student), 2018

ARAS E. S., Soğuk stresi altında geliştirilmiş ayçiçeği (Helianthus annuus L.) bitkisinde bbZIP, MYB, NAC, NF-YB ve WRKY tipi transkripsiyon faktör genlerinin mRNA ifade seviyelerinin belirlenmesi, Doctorate, Ç.DÖNMEZ(Student), 2018

ARAS E. S., Svaziland Sidvokodvo'da domuz (Sus scrofa) leşlerinde dekompozisyon süreci ve nekrofaj böceklerinin (Diptera ve Coleoptera) incelenmesi, Postgraduate, A.TEMAKHOLO(Student), 2018

ARAS E. S., Determination of fad2 gene mRNA expression levels in safflower (carthamus tinctorius l.) variants exposed to copper (cu+), lead (pb+2) and cadmium (cd+2) heavy metal stress, Doctorate, E.BÖLÜKBAŞI(Student), 2018

ARAS E. S., Quantification of denitrifier population size in soil, bacteria community structures and comparison of nosz

and 16s rRNA genes from culturable denitrifying, Doctorate, C.AVŞAR(Student), 2018

ARAS E. S., Ayçiçeği (*Helianthus annuus* L.) bitkisinde büyüme düzenleyici faktör (GRF) transkripsiyon faktörü gen ailesinin genom boyutunda in silico tanımlanması ve karakterizasyonu, Postgraduate, T.BENGÜ(Student), 2018

ARAS E. S., Apoptosis marker'ı olan annexin5'e karşı poliklonal antikor gelişimi, Postgraduate, A.ALPEREN(Student), 2017

ARAS E. S., Genome-wide in silico identification and characterization of the small heat shock protein (sHSP) family in common bean (*Phaseolus vulgaris* L.), Postgraduate, B.PERVİN(Student), 2017

ARAS E. S., Determination of mRNA expression levels of cell cycle genes retinoblastoma (Rb), Myelocytomatosis (Myc) and E2F in sunflower (*Helianthus annuus* l.) Plant grown under Cr, salinity and drought stresses, Doctorate, E.BAŞARAN(Student), 2016

ARAS E. S., Obezite ve insülin direncinde, insülin sinyal yolağında fosforilasyon/o-GlcNAc modifikasyonlarına endoplazmik retikulum stresi etkisinin incelenmesi, Postgraduate, B.PELİN(Student), 2016

CANSARAN DUMAN D., ARAS E. S., Determination of cytotoxic effect of vulpinic acid in breast cancer cell lines and mrna expression levels of apoptotic related genes, Postgraduate, N.KILIÇ(Student), 2016

ARAS E. S., Domates bitkisinde tuz stresine karşı karotenoid kodlayan PSY-fiton sentaz (PSY-Phytoene Synthase) ve PDS-fiton desaturaz (PDS-Phytoene desaturase) genlerinin ifadesi düzeylerinin belirlenmesi, Postgraduate, A.DUALE(Student), 2015

ARAS E. S., Tuz ve kuraklık stresi altında geliştirilmiş farklı aspir (*Carthamus tinctorious*) FAD2 geni mRNA ifade seviyelerinin qRT-PCR yöntemiyle belirlenmesi, Postgraduate, M.HASANBAGLOU(Student), 2015

ARAS E. S., Tuz ve kuraklık stresi altında geliştirilmiş domates (*Solanum lycopersicum* L.) bitkisinde katalaz geni mRNA ifade seviyesinin real time PCR ile belirlenmesi, Doctorate, E.GÜNDÜZER(Student), 2015

ARAS E. S., PB+2 ağır metal stresi altındaki *Pseudevernia furfuracea* liken türünde lakkaz enzimini kodlayan genin anlatım seviyelerinin belirlenmesi, Postgraduate, B.DEMİRALP(Student), 2015

ARAS E. S., Patlıcan (*Solanum melongena* L.) bitkisi tohumlarının çimlenmesinde çinko (Zn) stresi ile meydana gelen DNA değişikliklerinin belirlenmesi, Postgraduate, S.GHABELNEZAM(Student), 2015

ARAS E. S., Tuz ve kuraklık stresi altında geliştirilmiş farklı fasulye (*Phaseolus vulgaris* L.) çeşitlerinde lea-3 geni mRNA ifade seviyelerinin kantitatif real-time pcr yöntemiyle incelenmesi, Doctorate, İ.BÜYÜK(Student), 2014

ARAS E. S., YILMAZ E., Hiperhomosisteineminin, endotelial protein C reseptörü (EPCR) üzerine etkisi, Postgraduate, G.AYDOĞDU(Student), 2013

ARAS E. S., Ayçiçeği (*Helianthus annuus* L.) bitkisi tohumlarının çimlenmesinde çinko (Zn+2) stresi ile protein içeriği, dna ve dna metilasyon modelindeki meydana gelen olası değişimlerin moleküler markörler ile değerlendirilmesi, Postgraduate, E.BÖLÜKBAŞI(Student), 2013

CANSARAN DUMAN D., ARAS E. S., Hypogymnia physodes liken türünde UV radyasyonları ve Pb+2, Cr+6 katyonlarının uygulanması sonucunda DNA ve DNA metilasyon modelindeki olası değişimlerin moleküler markörler ile değerlendirilmesi, Postgraduate, R.HAMUTOĞLU(Student), 2013

ARAS E. S., Bazı erik ve kiraz genotiplerinin SSRs (Simple Sequence Repeats)'a dayalı genetik karakterizasyonu, Postgraduate, Ö.KÖSE(Student), 2013

ARAS E. S., Soğuk, kuraklık ve tuz gibi abiyotik stres koşulları altındaki domates bitkisinde (*Lycopersicum esculentum* L.) süperoksid dismutaz (SOD) gen ekspresyon profilinin real time PCR aracılığı ile araştırılması, Doctorate, S.SOYDAM(Student), 2011

ARAS E. S., Türkiye'de bulunan Hypogymnia (nyl.) nyl. türlerinde rDNA its bölgesi dizi analizi ile çeşitliliğin tanımlanması, Postgraduate, A.KABAOĞLU(Student), 2007

Published journal articles indexed by SCI, SSCI, and AHCI

- I. Omics approaches to understand the *MADS-box* gene family in common bean (*Phaseolus vulgaris* L.) against drought stress
Okay A., Kirlioglu T., Durdu Y. S., Akdeniz S., BÜYÜK İ., ARAS E. S.
PROTOPLASMA, vol.261, no.4, pp.709-724, 2024 (SCI-Expanded)
- II. Study on Cloning and Expression of TNF- α Variants in *E. coli*: Production, Purification, and

Interaction with Anti-TNF- α Inhibitors

Akcağad G., CANSARAN DUMAN D., ARAS E. S., Ataoglu H.

PROTEIN AND PEPTIDE LETTERS, no.5, pp.395-408, 2024 (SCI-Expanded)

- III. **Omics data-based identification of HSP70 gene family in *C. sativa* under drought stress**
BÜYÜK İ., Okay A., İlhan E., Aytaç S., Şafak S., ARAS E. S.
South African Journal of Botany, vol.167, pp.94-107, 2024 (SCI-Expanded)
- IV. **In silico analysis of three-amino acid loop extension (TALE) proteins in *Phaseolus vulgaris* L. and investigation of their transcript levels in response to drought stress**
AVCI MERDİN F., Kirlioglu T., Okay A., ARAS E. S., BÜYÜK İ.
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.48, no.6, pp.911-926, 2024 (SCI-Expanded)
- V. **Investigation and computational analysis of the IQD gene family in common bean (*Phaseolus vulgaris* L.): expression profiling under salt stress**
Kirlioglu T., Okay A., ARAS E. S., BÜYÜK İ.
TURKISH JOURNAL OF BOTANY, vol.48, no.7, pp.532-550, 2024 (SCI-Expanded)
- VI. **Overcoming obstacles: Analysis of blood and semen stains washed with different chemicals with ATR-FTIR**
YILDIRIM M. Ş., AKÇAN R., ARAS S., TAMER U., EVRAN E., TAŞTEKİN B., AYDOĞAN C., BOYACI İ. H.
Forensic Science International, vol.344, 2023 (SCI-Expanded)
- VII. **The molecular mechanisms of vulpinic acid induced programmed cell death in melanoma**
Yangin S., Cansaran-Duman D., Eskiler G. G., Aras S.
MOLECULAR BIOLOGY REPORTS, vol.49, no.9, pp.8273-8280, 2022 (SCI-Expanded)
- VIII. **The genome-wide characterization of WOX gene family in *Phaseolus vulgaris* L. during salt stress**
Akbulut S. E., Okay A., Aksoy T., ARAS E. S., BÜYÜK İ.
PHYSIOLOGY AND MOLECULAR BIOLOGY OF PLANTS, vol.28, no.6, pp.1297-1309, 2022 (SCI-Expanded)
- IX. **Identification and Characterization of SRS Genes in *Phaseolus vulgaris* Genome and Their Responses Under Salt Stress**
BÜYÜK İ., Okay A., Aras S.
BIOCHEMICAL GENETICS, vol.60, no.2, pp.482-503, 2022 (SCI-Expanded)
- X. **Detection of multidrug-resistant *Pseudomonas* isolates and distribution of denitrifying functional genes**
Onal N., AVŞAR C., Aras E. S.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL HEALTH RESEARCH, vol.31, no.8, pp.1015-1031, 2021 (SCI-Expanded)
- XI. **Identification and characterization of the Pvul-GASA gene family in the *Phaseolus vulgaris* and expression patterns under salt stress**
BÜYÜK İ., Okay A., Gorska M., İlhan E., ARAS E. S.
TURKISH JOURNAL OF BOTANY, vol.45, no.1, pp.655-690, 2021 (SCI-Expanded)
- XII. **Quantification of denitrifier genes population size and its relationship with environmental factors**
AVŞAR C., ARAS E. S.
ARCHIVES OF MICROBIOLOGY, vol.202, no.5, pp.1181-1192, 2020 (SCI-Expanded)
- XIII. **Community structures and comparison of nosZ and 16S rRNA genes from culturable denitrifying bacteria**
AVŞAR C., ARAS E. S.
FOLIA MICROBIOLOGICA, vol.65, no.3, pp.497-510, 2020 (SCI-Expanded)
- XIV. **THE PHYSIOLOGICAL AND DNA DAMAGE RESPONSE OF IN THE LICHEN HYPOGYMNA PHYSODES TO UV AND HEAVY METAL STRESS**
Hamutoolu R., Derici M. K., Aras E. S., Aslan A., CANSARAN DUMAN D.
APPLIED ECOLOGY AND ENVIRONMENTAL RESEARCH, vol.18, no.2, pp.2315-2338, 2020 (SCI-Expanded)
- XV. **Genome-wide identification of CAMTA gene family members in *Phaseolus vulgaris* L. and their expression profiling during salt stress**
BÜYÜK İ., İLHAN E., Sener D., Ozsoy A. U., Aras S.

MOLECULAR BIOLOGY REPORTS, vol.46, no.3, pp.2721-2732, 2019 (SCI-Expanded)

- XVI. **Evaluation of in vitro Anticancer Activity of Vulpinic Acid and its Apoptotic Potential Using Gene Expression and Protein Analysis**
Kilic N., DERİCİ M. K., BÜYÜK İ., Aydin S. S., Aras S., CANSARAN DUMAN D.
INDIAN JOURNAL OF PHARMACEUTICAL EDUCATION AND RESEARCH, vol.52, no.4, pp.626-634, 2018 (SCI-Expanded)
- XVII. **Determination of Vulpinic Acid Effect on Apoptosis and mRNA Expression Levels in Breast Cancer Cell Lines**
Kilic N., Aras S., CANSARAN DUMAN D.
ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY, vol.18, no.14, pp.2032-2041, 2018 (SCI-Expanded)
- XVIII. **Genome-wide analysis of Phaseolus vulgaris C2C2-YABBY transcription factors under salt stress conditions**
İNAL B., BÜYÜK İ., İLHAN E., Aras S.
3 BIOTECH, vol.7, 2017 (SCI-Expanded)
- XIX. **Phenotypic and genotypic characterization of foodborne bacteria isolated from Sinop Province, Turkey**
AVŞAR C., Civek S., ARAS E. S.
FOOD BIOTECHNOLOGY, vol.31, no.3, pp.141-161, 2017 (SCI-Expanded)
- XX. **Genome-wide in silico identification, characterization and transcriptional analysis of the family of growth-regulating factors in common bean (Phaseolus vulgaris L.) subjected to polyethylene glycol-induced drought stress**
Bueyuek İ., Aras S.
ARCHIVES OF BIOLOGICAL SCIENCES, vol.69, no.1, pp.5-14, 2017 (SCI-Expanded)
- XXI. **Genome-wide identification of salinity responsive HSP70s in common bean**
BÜYÜK İ., İNAL B., İLHAN E., Tanriseven M., Aras S., ERAYMAN M.
MOLECULAR BIOLOGY REPORTS, vol.43, no.11, pp.1251-1266, 2016 (SCI-Expanded)
- XXII. **EXPRESSION OF CTFAD2 GENE FOR EARLY SELECTION IN SAFFLOWER OLEIC/LINOLEIC OIL CONTENT**
BÜYÜK İ., Bolukbasi E., Aras S.
JOURNAL OF ANIMAL AND PLANT SCIENCES, vol.26, no.5, pp.1383-1388, 2016 (SCI-Expanded)
- XXIII. **Varied Expression Pattern of the Small Heat Shock Protein Gene Encoding HSP17.7 against UVA, UVB, Cu²⁺ and Zn²⁺ Stresses in Sunflower**
BÜYÜK İ., Aras S., Cansaran-Dlman D.
PLANT PROTECTION SCIENCE, vol.52, no.2, pp.99-106, 2016 (SCI-Expanded)
- XXIV. **Effects of Lead (Pb) and Cadmium (Cd) Elements on Lipid Peroxidation, Catalase Enzyme Activity and Catalase Gene Expression Profile in Tomato Plants**
Soydam Aydin S., BÜYÜK İ., Gokce Gunduzer E., Buyuk B. P., KANDEMİR İ., CANSARAN DUMAN D., Aras S.
JOURNAL OF AGRICULTURAL SCIENCES-TARIM BİLİMLERİ DERGİSİ, vol.22, no.4, pp.539-547, 2016 (SCI-Expanded)
- XXV. **Roles of catalase (CAT) and ascorbate peroxidase (APX) genes in stress response of eggplant (Solanum melongena L.) against Cu²⁺ and Zn²⁺ heavy metal stresses**
Soydam-Aydin S., Büyük İ., Cansaran Duman D., Aras S.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.187, no.12, 2015 (SCI-Expanded)
- XXVI. ***In vitro* enzyme inhibitory effects of Rubus sanctus Schreber and its active metabolite as a function of wound healing activity**
AKKOL E., SÜNTAR İ., İlhan M., Aras E. S.
JOURNAL OF HERBAL MEDICINE, no.4, pp.207-210, 2015 (SCI-Expanded)
- XXVII. **The determination of physiological and DNA changes in seedlings of maize (Zea mays L.) seeds exposed to the waters of the Gediz River and copper heavy metal stress**
BATIR M. B., CANDAN F., BÜYÜK İ., Aras S.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.187, no.4, 2015 (SCI-Expanded)

- XXVIII. **Screening of PvLEA3 gene mRNA expression levels with qRT-PCR in different bean varieties (*Phaseolus vulgaris* L.) subjected to salt and drought stress**
BÜYÜK İ., Aras S.
TURKISH JOURNAL OF BOTANY, vol.39, no.6, pp.1014-1020, 2015 (SCI-Expanded)
- XXIX. **Application of molecular markers to detect DNA damage caused by environmental pollutants in lichen species**
CANSARAN DUMAN D., Altunkaynak E., Aslan A., BÜYÜK İ., Aras S.
GENETICS AND MOLECULAR RESEARCH, vol.14, no.2, pp.4637-4650, 2015 (SCI-Expanded)
- XXX. **The Effect of Oral Administration of *Pediococcus pentosaceus* OZF**
Onlu H., Sakyp Z., KIRAN F., Onlu H., BÜYÜK İ., Aras S., OSMANAĞAOĞLU Ö.
NEW BIOTECHNOLOGY, 2014 (SCI-Expanded)
- XXXI. **Expression analysis of APX and CAT genes in eggplants subjected to Cu⁺² and Zn⁺² heavy metals**
BÜYÜK İ., Aydın S. S., Duman D. C., Aras S.
NEW BIOTECHNOLOGY, 2014 (SCI-Expanded)
- XXXII. **Expression of SOD gene and evaluating its role in stress tolerance in NaCl and PEG stressed *Lycopersicum esculentum***
Aydın S., BÜYÜK İ., ARAS E. S.
TURKISH JOURNAL OF BOTANY, vol.38, no.1, pp.89-98, 2014 (SCI-Expanded)
- XXXIII. **Biosorption properties of zinc(II) from aqueous solutions by *pseudevernia furfuracea* (L.) zopf**
Kilic Z., Atako O., Aras S., CANSARAN DUMAN D., EMREGÜL E.
Journal of the Air and Waste Management Association, vol.64, no.10, pp.1112-1121, 2014 (SCI-Expanded)
- XXXIV. **Air-quality biomonitoring: Assessment of genotoxicity of air pollution in the Province of Kayseri (Central Anatolia) by use of the lichen *Pseudevernia furfuracea* (L.) Zopf and amplified fragment-length polymorphism markers**
Vardar C., Basaran E., CANSARAN DUMAN D., Aras S.
MUTATION RESEARCH-GENETIC TOXICOLOGY AND ENVIRONMENTAL MUTAGENESIS, vol.759, pp.43-50, 2014 (SCI-Expanded)
- XXXV. **Heavy metal accumulation and genotoxicity indicator capacity of the lichen species *Ramalina pollinaria* collected from around an iron steel factory in Karabuk, Turkey**
CANSARAN DUMAN D., Altunkaynak E., ARAS E. S.
TURKISH JOURNAL OF BOTANY, vol.38, no.3, pp.477-490, 2014 (SCI-Expanded)
- XXXVI. **Evaluation of different isotherm models, kinetic, thermodynamic, and copper biosorption efficiency of *Lobaria pulmonaria* (L.) Hoffm.**
Kilic Z., ATAKOL O., Aras S., CANSARAN DUMAN D., Celikkol P., EMREGÜL E.
JOURNAL OF THE AIR & WASTE MANAGEMENT ASSOCIATION, vol.64, no.1, pp.115-123, 2014 (SCI-Expanded)
- XXXVII. **Genotoxic effect of cadmium in okra seedlings: Comparative investigation with population parameters and molecular markers**
Aydın S. S., Basaran E., CANSARAN DUMAN D., Aras S.
JOURNAL OF ENVIRONMENTAL BIOLOGY, vol.34, no.6, pp.985-990, 2013 (SCI-Expanded)
- XXXVIII. **Detection of superoxide radicals in tomato plants exposed to salinity, drought, cold and heavy metal stress using CMC-G-SOD biosensor**
Kocabay O., EMREGÜL E., Aydın S. S., Aras S.
ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY, vol.41, no.5, pp.352-358, 2013 (SCI-Expanded)
- XXXIX. **Relationships among lipid peroxidation, SOD enzyme activity, and SOD gene expression profile in *Lycopersicum esculentum* L. exposed to cold stress**
Aydın S. S., BÜYÜK İ., Aras S.
GENETICS AND MOLECULAR RESEARCH, vol.12, no.3, pp.3220-3229, 2013 (SCI-Expanded)
- XL. **Identification of DNA changes, in tomato (*Solanum lycopersicum* L.) seedlings, induced by copper (Cu⁺²) stress**
Aktokat N., Altunkaynak E., ARAS E. S.
NEW BIOTECHNOLOGY, 2012 (SCI-Expanded)

- XXI. Carboxymethylcellulose-gelatin-superoxidase dismutase electrode for amperometric superoxide radical sensing**
Kocabay O., EMREGÜL E., Aras S., EMREGÜL K. C.
BIOPROCESS AND BIOSYSTEMS ENGINEERING, vol.35, no.6, pp.923-930, 2012 (SCI-Expanded)
- XLII. Characterization of stress induced by copper and zinc on cucumber (*Cucumis sativus* L.) seedlings by means of molecular and population parameters**
Aydin S. S., Gokce E., BÜYÜK İ., Aras S.
MUTATION RESEARCH-GENETIC TOXICOLOGY AND ENVIRONMENTAL MUTAGENESIS, vol.746, no.1, pp.49-55, 2012 (SCI-Expanded)
- XLIII. Accumulation of Trace Elements and the Assessment of the Genotoxicity in the Lichen *Pseudevernia furfuracea* Transplanted to a Polluted Site in Ankara**
CANSARAN DUMAN D., Aras S., ATAKOL O., Atasoy I.
EKOLOJİ, vol.21, no.85, pp.1-14, 2012 (SCI-Expanded)
- XLIV. Evaluation of genotoxicity of *Pseudevernia furfuracea* (L.) Zopf by RAPD analysis**
Cansaran Duman D., Aras E. S., Beyaztaş T., Gökçe Gündüzer E.
Genetics And Molecular Research, vol.10, pp.3760-3770, 2011 (SCI-Expanded)
- XLV. Evaluation of copper-induced stress on eggplant (*Solanum melongena* L.) seedlings at the molecular and population levels by use of various biomarkers**
Körpe D. A., Aras S.
Mutation Research - Genetic Toxicology and Environmental Mutagenesis, vol.719, no.1-2, pp.29-34, 2011 (SCI-Expanded)
- XLVI. Evaluation of copper-induced stress on eggplant (*Solanum melongena* L.) seedlings at the molecular and population levels by use of various biomarkers**
Aksoy Körpe D., Aras E. S.
MUTATION RESEARCH - GENETIC TOXICOLOGY AND ENVIRONMENTAL MUTAGENESIS, vol.719, no.1-2, pp.29-34, 2011 (SCI-Expanded)
- XLVII. Evaluation of genotoxicity of *Pseudevernia furfuracea* (L.) Zopf by RAPD analysis**
Aras S., Beyaztaş T., Cansaran-Duman D., Gokce-Gunduzer E.
GENETICS AND MOLECULAR RESEARCH, vol.10, no.4, pp.3760-3770, 2011 (SCI-Expanded)
- XLVIII. Assessment of air pollution genotoxicity by RAPD in *Evernia prunastri* L. Ach. from around iron-steel factory in Karabuk, Turkey**
Cansaran-Duman D., ATAKOL O., Aras S.
JOURNAL OF ENVIRONMENTAL SCIENCES, vol.23, no.7, pp.1171-1178, 2011 (SCI-Expanded)
- XLIX. Effect of Mobile Seed Components on Dosimetry of Theragenic Model 200 Pd-103 Seed Source**
Yegin G., Duman S., Aydogdu G., Camgoz B., Aras S., Kumru M.
MEDICAL PHYSICS, no.6, pp.3201-3202, 2010 (SCI-Expanded)
- L. Assessment of air pollution genotoxicity by molecular markers in the exposed samples of *Pseudevernia furfuracea* (L.) Zopf in the province of Kayseri (Central Anatolia)**
Aras S., Kanlitez C., Cansaran-Duman D., Halici M. G., Beyaztaş T.
JOURNAL OF ENVIRONMENTAL MONITORING, vol.12, no.2, pp.536-543, 2010 (SCI-Expanded)
- LI. Amplified fragment length polymorphism analysis of grapevine rootstock genotypes in Turkey**
Erguel A., Aras S., Soylemezoglu G.
GENETICS AND MOLECULAR RESEARCH, vol.9, no.2, pp.811-819, 2010 (SCI-Expanded)
- LII. Heavy Metal Accumulation in *Pseudevernia furfuracea* (L.) Zopf from the Karabuk Iron-Steel Factory in Karabuk, Turkey**
Cansaran-Duman D., ATAKOL O., Atasoy I., KAHYA N. D., Aras S., Beyaztaş T.
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION C-A JOURNAL OF BIOSCIENCES, vol.64, no.9-10, pp.717-723, 2009 (SCI-Expanded)
- LIII. Genetic relationships among some *Hesperis* L. (Brassicaceae) species from Turkey assessed by RAPD analysis**
Aras S., DURAN A., Yenilmez G., Duman D.

- AFRICAN JOURNAL OF BIOTECHNOLOGY, vol.8, no.14, pp.3128-3134, 2009 (SCI-Expanded)
- LIV. **Molecular diversity in persimmon (*Diospyros kaki* L.) cultivars growing around Hatay province in Turkey**
Yyldyz M., Bayazit S., Cebesoy S., Aras S.
AFRICAN JOURNAL OF BIOTECHNOLOGY, vol.6, no.20, pp.2393-2399, 2007 (SCI-Expanded)
- LV. **Resolving genetic relationships in manna group of lichens from genus *Aspicilia***
Aras S., Cansaran D., Turk A. O., Kandemir İ., Candan M.
AFRICAN JOURNAL OF BIOTECHNOLOGY, vol.6, no.9, pp.1154-1160, 2007 (SCI-Expanded)
- LVI. **AFLP analysis of genetic variation within the two economically important Anatolian grapevine (*Vitis vinifera* L.) varietal groups**
Ergul A., Kazan K., Aras S., Cevik V., Celik H., SÖYLEMEZOĞLU G.
GENOME, vol.49, no.5, pp.467-475, 2006 (SCI-Expanded)
- LVII. **Phylogenetic relations of *Rhizoplaca* Zopf. from Anatolia inferred from ITS sequence data**
Cansaran D., Aras S., Kandemir İ., Halici M. G.
ZEITSCHRIFT FÜR NATURFORSCHUNG C-A JOURNAL OF BIOSCIENCES, vol.61, no.5-6, pp.405-412, 2006 (SCI-Expanded)
- LVIII. **RAPD analysis of genetic relations between Buzgulu grape cultivars [*Vitis vinifera*] grown in different parts of Turkey**
Cansaran Duman D., Aras E. S., Söylemezoğlu G., Burin Polat J.
ACTA BIOLOGICA CRACOVIENSIA SERIES BOTANICA, vol.47, pp.77-82, 2005 (SCI-Expanded)
- LIX. **RAPD analysis of genetic relations between Buzgulu grape cultivars (*Vitis vinifera*) grown in different parts of Turkey**
Aras S., Polat J., Cansaran D., SÖYLEMEZOĞLU G.
ACTA BIOLOGICA CRACOVIENSIA SERIES BOTANICA, vol.47, no.2, pp.77-82, 2005 (SCI-Expanded)
- LX. **Response of antioxidant systems to short-term NaCl stress in grapevine rootstock-1616c and *Vitis vinifera* L. cv. Razaki**
Yildirim Ö., Aras S., Ergul A.
ACTA BIOLOGICA CRACOVIENSIA SERIES BOTANICA, vol.46, pp.151-158, 2004 (SCI-Expanded)
- LXI. **Molecular characterization of salt stress in grapevine cultivars (*Vitis vinifera* L.) and rootstocks**
Agaoglu Y., Ergul A., Aras S.
VITIS, vol.43, no.3, pp.107-110, 2004 (SCI-Expanded)
- LXII. **Isolation of DNA for RAPD analysis from dry leaf material of some *Hesperis* L. specimens**
Aras S., Duran A., Yenilmez G.
Plant Molecular Biology Reporter, vol.21, no.4, 2003 (SCI-Expanded)
- LXIII. **Regulation of monocyte chemoattractant protein (MCP)-1 transcription by interferon-gamma (IFN- γ) in human astrocytoma cells: Postinduction refractory state of the gene, governed by its upstream elements**
Zhou Z. L., Han Y., Wei T., Aras S., Chaturvedi P., Tyler S., Rani M. S., Ransohoff R. M.
FASEB Journal, vol.15, no.2, pp.383-392, 2001 (SCI-Expanded)
- LXIV. **Regulation of monocyte chemoattractant protein (MCP)-1 transcription by interferon-gamma (IFN- γ) in human astrocytoma cells: postinduction refractory state of the gene ...**
Aras E. S.
FASEB JOURNAL, vol.15, no.2, pp.383-392, 2001 (SCI-Expanded)
- LXV. **Glutathione S-transferase M1 and T1 gene polymorphism in patients with lung cancer among Turkish population**
Aras S., Baltaci V., Yildirim Ö., Savas I., Alpas I., Sen E.
BIOTECHNOLOGY & BIOTECHNOLOGICAL EQUIPMENT, vol.15, no.2, pp.54-61, 2001 (SCI-Expanded)
- LXVI. **p48/STAT-1 α -containing complexes play a predominant role in induction of IFN- γ -inducible protein, 10 kDa (IP-10) by IFN- γ alone or in synergy with TNF- α**
Majumder S., Zhou L. Z., Chaturvedi P., Babcock G., Aras S., Ransohoff R. M.
Journal of Immunology, vol.161, no.9, pp.4736-4744, 1998 (SCI-Expanded)

- LXVII. **Regulation of human IP-10 gene expression in astrocytoma cells by inflammatory cytokines**
Majumder S., Zhou L. Z., Chaturvedi P., Babcock G., Aras S., Ransohoff R. M.
Journal of Neuroscience Research, vol.54, no.2, pp.169-180, 1998 (SCI-Expanded)
- LXVIII. **IFN- γ induction of the human monocyte chemoattractant protein (hMCP)-1 gene in astrocytoma cells: Functional interaction between an IFN- γ -activated site and a GC-Rich element**
Zhou Z. L., Chaturvedi P., Han Y., Aras S., Li Y., Kolattukudy P. E., Ping D., Boss J. M., Ransohoff R. M.
Journal of Immunology, vol.160, no.8, pp.3908-3916, 1998 (SCI-Expanded)
- LXIX. **Regulation and function of central nervous system chemokines**
Glabinski A., Tani M., Aras S., Stoler M., Tuohy V., Ransohoff R.
International Journal of Developmental Neuroscience, vol.13, no.3-4, pp.153-165, 1995 (SCI-Expanded)

Articles Published in Other Journals

- I. **Detection of Cadmium Genotoxicity on Fatty Acids Desaturase-2 Genes in Safflower (*Carthamus tinctorius*)**
BÖLÜKBAŞI E., ARAS E. S.
International Journal of Nature and Life Sciences, 2022 (Peer-Reviewed Journal)
- II. **What Might be More Associated with Higher or Lower Blood Pressure in Older Adults? Sarcopenia, Obesity, or Sarcopenic Obesity? A Cross-sectional Retrospective Study**
Öztorun H. S., Bahşi R., Turgut T. Ö., Sürmeli D. M., Coşardereelioğlu Ç., ATMIŞ V., YALÇIN A., ARAS E. S., VARLI M.
European Journal of Geriatrics and Gerontology, vol.4, no.3, pp.135-144, 2022 (Scopus)
- III. **Determination of Expression Levels of Fatty Acid Desaturase-2 Genes in Safflower (*Carthamus tinctorius* L.) Varieties Exposed to Copper**
BÖLÜKBAŞI E., ARAS E. S.
Erciyes Üniversitesi Fen Bilimleri Enstitüsü Dergisi, 2022 (Peer-Reviewed Journal)
- IV. **Isolation of the Rhodotorula glutinis from the Mammillaria elongata Fruit Extract and Its Determination with 18S rRNA Gene Region**
GÖKDEMİR F. Ş., SOLMAZ G., ARAS E. S.
EURASIAN JOURNAL OF HEALTH SCIENCES, 2022 (Peer-Reviewed Journal)
- V. **Attention to Osteosarcopenia in Older People! It May Cause Cognitive Impairment, Frailty, and Mortality: A Cross-sectional Study**
Öztorun H. S., Bahşi R., Turgut T., Sürmeli D. M., Coşardereelioğlu Ç., ATMIŞ V., YALÇIN A., ARAS E. S., VARLI M.
European Journal of Geriatrics and Gerontology, vol.4, no.1, pp.18-25, 2022 (Scopus)
- VI. **Artificial meat production and future vision**
Farhoomand D., Okay A., Aras E. S., Büyük İ.
Food and Health, vol.8, no.3, pp.260-272, 2022 (Peer-Reviewed Journal)
- VII. **Bitkisel türevli aşular**
Okay A., Soydam Aydın S., BÜYÜK İ., ARAS E. S.
Biological Diversity and Conservation, vol.14, no.1, pp.167-174, 2021 (Peer-Reviewed Journal)
- VIII. **ACCUMULATION OF CR6+, PB2+ AND CD2+ AND ULTRAVIOLET RADIATION ALTER METHYLATION AND GENOMIC DNA STATUS IN RAMALINA FARINACEAE**
HAMUTOĞLU R., CANSARAN DUMAN D., DERİCİ M. K., ARAS E. S., ASLAN A.
1303-6025, 2021 (Peer-Reviewed Journal)
- IX. **THE NIN-LIKE PROTEIN (NLP) FAMILY IN COMMON BEAN: GENOME-WIDE IDENTIFICATION, EVOLUTION AND EXPRESSION ANALYSIS**
BÜYÜK İ., Okay A., Aksoy T., ARAS E. S.
Communications Faculty of Sciences University of Ankara Series C-Biology, vol.30, no.1, pp.58-84, 2021 (Peer-Reviewed Journal)
- X. **Green Synthesis of Silver Nanoparticles from Phaseolus vulgaris L. Extracts and Investigation of their Antifungal Activities**

EDİZ E., KURTAY G., KARACA B., BÜYÜK İ., GÖKDEMİR Ş. F., ARAS E. S.

Hacettepe Journal of Biology and Chemistry, 2020 (Peer-Reviewed Journal)

- XI. **COMPARISON OF TOXIC AND ANTITOXIC EFFECTS OF CISPLATIN AND CAMP, AT CYP1A1 GENE EXPRESSION LEVEL OF WISTAR ALBINO TYPE RAT LIVER**
Mandebere K. D., GÖKDEMİR F. Ş., SOLMAZ F. G., ARAS E. S.
Communications Faculty of Sciences University of Ankara Series C Biology, 2019 (Peer-Reviewed Journal)
- XII. **Common Bean (*Phaseolus vulgaris* L.) DOF Transcription Factors Differentially Expressed under Salt Stress**
BÜYÜK İ., İNAL B., İLHAN E., ARAS E. S.
Commun.Fac.Sci.Univ.Ank.Series C, vol.28, no.1, pp.43-66, 2019 (Peer-Reviewed Journal)
- XIII. **GENERAL OVERVIEW OF THE STUDIES WITH MALDI-TOF**
KOCAMAN E., ARAS E. S.
Communications Faculty of Sciences University of Ankara Series C Biology, 2019 (Peer-Reviewed Journal)
- XIV. **ANALYSES OF parC AND gyrA MUTATIONS IN CIPROFLOXACIN-RESISTANT AND SUSCEPTIBLE pseudomonas aeruginosa ISOLATED FROM SOIL BY PCR-RFLP AND SSCP METHOD**
AVŞAR C., ARAS E. S.
JOURNAL OF MICROBIOLOGY BIOTECHNOLOGY AND FOOD SCIENCES, vol.7, no.5, pp.495-498, 2018 (ESCI)
- XV. **Determination of Physiological, Biochemical and Molecular Effects of Zinc Stress on the Growth of Sunflower Seedlings (*Helianthus annuus* L.)**
BÖLÜKBAŞI E., BÖLÜKBAŞI A., ARAS E. S.
International Journal of Environment, Agriculture and Biotechnology (IJEAB), no.3, pp.530-536, 2018 (Peer-Reviewed Journal)
- XVI. **Isolation and Molecular Characterization of Bacillus spp. Isolated from Soil for Production of Industrial Enzymes.** Biological and Chemical Research
AVŞAR C., Koyuncu H., ARAS E. S.
Biological and Chemical Research, pp.72-86, 2017 (Peer-Reviewed Journal)
- XVII. **Determination of DNA Methylation Levels with CRED RA Technique in the Genome of Sunflower Seedlings *Helianthus annuus* L Subjected to Zinc Stress**
BÖLÜKBAŞI E., ARAS E. S.
International Journal of Environment, Agriculture and Biotechnology, vol.1, no.3, pp.438-444, 2016 (Peer-Reviewed Journal)
- XVIII. **New insight into evaluation of DNA methylation levels with CRED RA technique in the genome of *Lycopersicum esculentum* subjected to NaCl and PEG**
ALTUNKAYNAK E., BÜYÜK İ., SOYDAM AYDIN S., ARAS E. S.
Biological Diversity and Conservation, vol.9, no.1, pp.163-171, 2016 (Peer-Reviewed Journal)
- XIX. **Environmental risk assessment under the pollutants exposure with using four lichen species and molecular assay in cement plant, Askale-Erzurum (Turkey)**
HAMUTOĞLU R., Aslan A., Aras S., CANSARAN DUMAN D.
Turk Hijyen ve Deneysel Biyoloji Dergisi, vol.73, no.3, pp.253-266, 2016 (Scopus)
- XX. **RNA interference in plants Bitkilerde RNA interferans**
Aras S., Soydam-Aydin S., Fazlıoğlu A., CANSARAN DUMAN D., BÜYÜK İ., Derici K.
Turk Hijyen ve Deneysel Biyoloji Dergisi, vol.72, no.3, pp.255-262, 2015 (Scopus)
- XXI. **Identification of some Lecideia, Porpidia and Lecidella species (lichen-forming ascomycetes) distributed in Turkey by sequence analysis of rDNA ITS region**
Başaran E., CANSARAN DUMAN D., BÜYÜK İ., Aras S.
Turk Hijyen ve Deneysel Biyoloji Dergisi, vol.72, no.1, pp.45-58, 2015 (Scopus)
- XXII. **Industrial and biotechnological applications of laccase enzyme Lakkaz enziminin endüstriyel ve biyoteknoloji alanında kullanımı**
Demiralp B., BÜYÜK İ., Aras S., CANSARAN DUMAN D.
Turk Hijyen ve Deneysel Biyoloji Dergisi, vol.72, no.4, pp.351-368, 2015 (Scopus)
- XXIII. **Evaluation of the impact on different types of human cancer cell of lichen secondary compounds**

- Liken sekonder bileşiklerinin farklı insan kanser hücre tipleri üzerine antikanserojenik etkisi**
Özenoğlu S., Aydoğdu G., Dinçsoy A. B., Taghidizaj A. A., Derici K., YILMAZ E., Aras S., CANSARAN DUMAN D.
Turk Hijyen ve Deneysel Biyoloji Dergisi, vol.70, no.4, pp.215-226, 2013 (Scopus)
- XXIV. **A role of catalase CAT in detoxification of reactive oxygen species ROS in tomato *Lycopersicon esculentum* contaminated with manganese Mn²**
Semra S. A., BÜYÜK İ., Pelin Ç., ARAS E. S.
Biological Diversity and Conservation, 2013 (Peer-Reviewed Journal)
- XXV. **Heavy metal accumulation of five biomonitor lichen species in the vicinity of the karabük iron and steel factory in karabük, Turkey and their comparative analysis**
CANSARAN DUMAN D., Aras S.
Turk Hijyen ve Deneysel Biyoloji Dergisi, vol.69, no.4, pp.179-192, 2012 (Scopus)
- XXVI. **Biosorption, adsorption, phytoremediation methods and applications** **Biyosorpsiyon, adsorpsiyon ve fitoremediasyon yöntemleri ve uygulamaları**
HAMUTOĞLU R., Dinçsoy A. B., CANSARAN DUMAN D., Aras S.
Turk Hijyen ve Deneysel Biyoloji Dergisi, vol.69, no.4, pp.235-253, 2012 (Scopus)
- XXVII. **Bitkilerin stres koşullarına verdiği moleküler cevaplar**
Aras E. S., Büyük İ., Soydam S.
Turkish Bulletin of Hygiene & Experimental Biology/Türk Hijyen ve Deneysel Biyoloji, vol.69, no.2, pp.97-110, 2012 (Peer-Reviewed Journal)
- XXVIII. **Molecular responses of plants to stress conditions** **Bitkilerin stres koşullarına verdiği moleküler cevaplar**
Büyük İ., Soydam-Aydin S., Aras S.
Turk Hijyen ve Deneysel Biyoloji Dergisi, vol.69, no.2, pp.97-110, 2012 (Scopus)
- XXIX. **GENOMİK, PROTEOMİK, METABOLOMİK KAVRAMLARINA GENEL BAKIŞ VE UYGULAMA ALANLARI**
Cansaran Duman D., Aras E. S., Başaran E.
Türk Hijyen ve Deneysel Biyoloji Dergisi, vol.67, no.2, pp.85-96, 2010 (Peer-Reviewed Journal)
- XXX. **BİTKİ ISLAHINDA MOLEKÜLER BELİRTEÇLERİN KULLANIMI ve GEN AKTARIMI**
Cansaran Duman D., Aras E. S., Vardar Kanlıtepe Ç.
Türk Hijyen ve Deneysel Biyoloji Dergisi, vol.67, no.1, pp.33-43, 2010 (Peer-Reviewed Journal)
- XXXI. **Isolation of DNA for sequence analysis from herbarium material of some lichen specimens**
Aras S., CANSARAN DUMAN D.
Turkish Journal of Botany, vol.30, no.6, pp.449-453, 2006 (Scopus)

Books

- I. **TARIMSAL BİYOİNFORMATİK: SÜRDÜRÜLEBİLİR VE İKLİM DEĞİŞİKLİĞİYLE BAŞA ÇIKMA YOLUNDA STRATEJİK GELİŞMELER**
Aras E. S., Büyük İ.
in: RECENT DEVELOPMENTS IN MOLECULAR BIOLOGY, Prof. Dr. Hakkı TAŞTAN, Editor, İksad Yayınevi, Ankara, pp.233-280, 2024
- II. **Laboratuvar Çalışanları İçin Temel Biyogüvenlik Kuralları**
TAYLAN ÖZKAN H. A., Cansaran Duman D., DERİCİ M. K., DEMİR DORA D., ÖZKUL A., ARAS E. S., ÖNER KAYA E., GÜRESER A. S., KAYA B.
Hipokrat Kitabevi, Ankara, 2019
- III. **DNA metabolizması**
ARAS E. S.
in: Biyokimya, Elçin Murat, Editor, Palme, Ankara, pp.975-1020, 2016
- IV. **Alternative biosorbent for Biosorption; Lichens- A Review.**
Cansaran Duman D., Aras E. S.
in: Phytoremediation Management of Environmental Contaminants, abid ali ansari,ritu gill,lee newman,sarvajeet

singh gill,guy r. lanza, Editor, Springer Nature, Bern, pp.233-241, 2015

V. **Genes and Evolution**

Aras E. S., Büyük İ.

in: Essential Biological Psychology, Ahmet ALTINDAĞ, Sercan ERDOĞAN, Editor, Nobel Yayın Dağıtım, Ankara, pp.1-398, 2014

VI. **Comparative Analysis of Bioindicator and Genotoxicity Indicator Capacity of Lichens Exposed to Air Pollution**

Cansaran Duman D., Aras E. S., Vardar Ç., Başaran E.

in: Air Pollution – New Developments, Anca Maria Moldoveanu, Editor, InTech, Open Access Publisher, Rijeka, pp.205-226, 2011

Papers Published in Refereed Scientific Meetings

- I. **MULTI-OMICS DATA MINING IN PLANT SCIENCE: FAR1 GENE FAMILY IN P. VULGARIS**
Büyük İ., Aras E. S.
VI. International Agricultural, Biological & Life Science Conference, Antalya, Turkey, 30 October - 01 November 2024, vol.1, no.1, pp.120
- II. **IN SILICO ANALYSIS OF ABIOTIC STRESS RESILIENCE: UNVEILING KEY PLANT PLATZ GENES IN PHASEOLUS VULGARIS L.**
Büyük İ., Aras E. S.
VI. International Agricultural, Biological & Life Science Conference, Antalya, Turkey, 30 October - 01 November 2024, vol.1, no.1, pp.125
- III. **Musa acuminata'da VOZ TRANSKRİPSİYON FAKTÖR AİLESİNİN GENOM ÇAPLI ANALİZİ**
Bakır Boğa Ö., Büyük İ., Aras E. S.
8th INTERNATIONAL MARDIN ARTUKLU SCIENTIFIC RESEARCHES CONFERENCE, Mardin, Turkey, 4 - 06 June 2022, pp.1062-1070
- IV. **Theobroma cacao'da RAV TRANSKRİPSİYON FAKTÖR AİLESİNİN GENOM ÇAPLI ANALİZİ**
Bakır Boğa Ö., Büyük İ., Aras E. S.
8th INTERNATIONAL MARDIN ARTUKLU SCIENTIFIC RESEARCHES CONFERENCE, Mardin, Turkey, 4 - 06 June 2022, pp.160-168
- V. **Phaseolus vulgaris'te süperoksit dismutaz (SOD) genlerinin genom bazında analizi**
BAKIR Ö., OKAY A., BÜYÜK İ., ARAS E. S.
3rd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2020), 19 - 20 March 2020
- VI. **Phaseolus vulgaris'te metal tolerans proteininin (MTP) genom bazında analizi**
BAKIR Ö., OKAY A., BÜYÜK İ., ARAS E. S.
3rd International Eurasian Conference on Biological and Chemical Sciences, 19 - 20 March 2020
- VII. **Farklı Konsantrasyonlarda Uygulanan Cr(VI) Stresinin Ayçiçeğinde (Helianthus annuus L.) Myc2 Gen Ekspresyon Düzeylerine Etkisi**
BAŞARAN E., ARAS E. S.
10. Uluslararası Multidisipliner Avrasya Kongresi (Teknik Bilimler Kongresi), 6 - 08 August 2019
- VIII. **Kuraklık Stresi Uygulanan Ayçiçeği Bitkilerinde (Helianthus annuus L.) Retinoblastoma (Rb) Gen İfade Düzeyindeki Değişimin Real Time PCR ile Belirlenmesi**
BAŞARAN E., ARAS E. S.
10. Uluslararası Multidisipliner Avrasya Kongresi (Teknik Bilimler Kongresi), 6 - 08 August 2019
- IX. **Tuz (NaCl) Stresi Uygulanan Ayçiçeği (Helianthus annuus L.) Bitkilerinde Myc2 Genine ait mRNA İfade Seviyelerinin Belirlenmesi**
BAŞARAN E., ARAS E. S.
2. Uluslararası GAP Matematik-Mühendislik-Fen ve Sağlık Bilimleri Kongresi, 21 - 23 June 2019
- X. **Genome-Wide Identification Of Common Bean (Phaseolus Vulgaris) Lipoxygenases And Their**

Expression Profiling During Salt Stress

BÜYÜK İ., İLHAN E., ARAS E. S.

3. International Conference Smart Bio, Kaunas, Lithuania, 2 - 04 May 2019, vol.1, pp.150

- XI. **Genome-Wide Identification And Characterization Of Dehydrin Gene Family In Eucalyptus Grandis**
BÜYÜK İ., İLHAN E., ARAS E. S.
3. International Conference Smart Bio, Kaunas, Lithuania, 2 - 04 May 2019, vol.1, pp.149
- XII. **Analysis of mRNA expression of TCP gene family transcription factors using real Time PCR method in chromium (VI) stressed common bean (Phaseolus vulgaris L.)**
KESKİN S., BÜYÜK İ., BÖLÜKBAŞI E., ARAS E. S.
International Conference On PLANT SCIENCE MOLECULAR BIOLOGY, Paris, France, 22 - 23 October 2018, vol.6, pp.34
- XIII. **Expression analysis of NAC gene under cold stress condition in sunflower (Helianthus annuus L.)**
DÖNMEZ Ç., GÜNDÜZER E., BAŞARAN E., ARAS E. S.
International Eurasian Conference on Science, Engineering and Technology, 22 - 23 November 2018
- XIV. **Genomewide identification and characterization of various Transcription factors in common bean (Phaseolus vulgaris L.) under abiotic stress factors.**
ARAS E. S.
aaaaaaa, 22 - 23 October 2018
- XV. **Identification of Mammillaria elongata extract with biochemical parameters**
GÖKDEMİR F. Ş., SOLMAZ F. G., ARAS E. S.
International Conference on Plant Science and Molecular Biology, 22 - 23 October 2018
- XVI. **Analyzing the Expression Profile of WRKY Gene under Cold Stress in Sunflower (Helianthus annuus L.).**
DÖNMEZ Ç., BAŞARAN E., GÜNDÜZER E., ARAS E. S.
6th International Congress of the Molecular Biology Association of Turkey, 5 - 08 September 2018
- XVII. **Determination of mRNA Expression Levels of Cell Cycle Gene Retinoblastoma (Rb) in Sunflower (Helianthus annuus L.) under Salinity Stress**
BAŞARAN E., DÖNMEZ Ç., GÜNDÜZER E., ARAS E. S.
6th International Congress of the Molecular Biology Association of Turkey, 5 - 08 September 2018
- XVIII. **Assessment of mRNA Expression Levels of E2F Transcription Factor Gene in Sunflower (Helianthus annuus L.) under Cr (VI) Stress**
BAŞARAN E., GÜNDÜZER E., DÖNMEZ Ç., ARAS E. S.
6th International Congress of the Molecular Biology Association of Turkey, 5 - 08 September 2018
- XIX. **Gene Expression Analysis of bZIP Gene in Some Sunflower (Helianthus annuus L.) Varieties in Response to Cold Stress**
DÖNMEZ Ç., GÜNDÜZER E., BAŞARAN E., ARAS E. S.
6th International Congress of the Molecular Biology Association of Turkey, 5 - 08 September 2018
- XX. **Creating standard curves with 16S rRNA and denitrification functional gene regions for use in Real-time PCR absolute quantification**
AVŞAR C., ARAS E. S.
VII. International Congress on Molecular Biology and Biotechnology, 25 - 27 April 2018
- XXI. **Comparison of 16S rRNA and nosZ denitrification functional genes as molecular markers for assessing bacterial diversity in environments**
AVŞAR C., ARAS E. S.
VII. International Congress on Molecular Biology and Biotechnology, 25 - 27 April 2018
- XXII. **Investigating bacterial community structure in soil and comparison with culturable denitrifying bacteria**
AVŞAR C., ARAS E. S.
Forestry and Environment Symposium Climate Change and Tree Migration, 7 - 10 November 2017
- XXIII. **Pollen Morphology of genera Salix L. (Salicaceae) in Turkey.**
PINAR N. M., ACAR ŞAHİN A., COŞKUNÇELEBİ K., SERDAR B., ÇETER T., ŞİMŞEK D., BÜYÜK İ., ARAS E. S.

ISEEP2017, Çanakkale, Turkey, 4 - 07 October 2017

- XXIV. **Protease, Amylase and Cellulase Enzyme Production of Aeromonas Strains Isolated from Freshwater Samples**
AVŞAR C., ARAS E. S.
XIII. Congress of Ecology and Environment with International Participation (UKECEK 2017) Edirne, 12 - 15 September 2017
- XXV. **Nitrous Oxide (N₂O)-Emitting Pseudomonas Strains Isolated from the Various Clinical and Environmental Samples**
AVŞAR C., ARAS E. S.
XIII. Congress of Ecology and Environment with International Participation (UKECEK 2017), 12 - 15 September 2017
- XXVI. **Genome-wide and expression analysis of *Phaseolus vulgaris* L. mTERF genes under salt stress**
İLHAN E., Mustagini A., BÜYÜK İ., İNAL B., Aras S.
European Biotechnology Congress, Dubrovnik, Croatia, 25 - 27 May 2017
- XXVII. **Effect of Zinc Heavy Metal Stress on FAD2 Genes in Safflower Plants (*Carthamus tinctorius* L.)**
BÖLÜKBAŞI E., ARAS E. S.
INTERNATIONAL ECOLOGY SYMPOSIUM 2017, Kayseri, Turkey, 11 - 13 May 2017, vol.1, pp.136
- XXVIII. **Toxic Effect of Copper Heavy Metal on Stress-Related Genes in Tomato (*Solanum lycopersicum* L.) Plants**
BÖLÜKBAŞI E., ARAS E. S.
INTERNATIONAL ECOLOGY SYMPOSIUM 2017, Kayseri, Turkey, 11 - 13 May 2017, vol.1, pp.832
- XXIX. **Genome wide analysis of *Phaseolus vulgaris* C2C2-YABBY transcriptionfactors under salt stress conditions**
İNAL B., BÜYÜK İ., İLHAN E., ARAS E. S.
The International Conference on Agriculture, Forest, Food Sciences and Technologies, 14 December - 17 May 2017
- XXX. **Plant Transcription Factors**
ARAS E. S.
INTERNATIONAL DNA DAY AND GENOME CONGRESS, Kırşehir, Turkey, 24 - 28 April 2017, pp.10
- XXXI. **Genome-Wide Identification of Camta Gene Family Members In *Phaseolus vulgaris* and Their Expression During Salt Stress**
BÜYÜK İ., İLHAN E., YILDIRIM D., İNAL B., ARAS E. S.
INTERNATIONAL DNA DAY AND GENOME CONGRESS, 24 - 28 April 2017
- XXXII. **Expression Analysis of Pvul-CAMTA Genes in response to Cold Stress Conditions in *Phaseolus vulgaris***
BÜYÜK İ., özsoy a. u., yıldırım d., ARAS E. S.
INTERNATIONAL DNA DAY AND GENOME CONGRESS, 24 - 28 April 2017
- XXXIII. **EXPRESSION OF STRESS-RELATED GENES IN TOMATO (*Solanum lycopersicum* L.) PLANTS EXPOSED TO ZINC STRESS**
KARAKAŞ M., BÖLÜKBAŞI E., ARAS E. S.
INTERNATIONAL DNA DAY AND GENOME CONGRESS, Kırşehir, Turkey, 24 - 28 April 2017, vol.1, pp.26
- XXXIV. **DETECTION OF PHYSIOLOGICAL AND DNA CHANGES IN THE GENOME OF SUNFLOWER (*Helianthus annuus* L.) SUBJECTED TO COPPER STRESS**
BÖLÜKBAŞI E., ARAS E. S.
INTERNATIONAL DNA DAY AND GENOME CONGRESS, Kırşehir, Turkey, 24 - 28 April 2017, vol.1, pp.25
- XXXV. **INNOVATIVE APPROACHES FOR THIRD GENERATION DNA SEQUENCING TECHNOLOGY**
BÖLÜKBAŞI E., ARAS E. S.
INTERNATIONAL DNA DAY AND GENOME CONGRESS, Kırşehir, Turkey, 24 - 28 April 2017, vol.1, pp.126
- XXXVI. **The genetic analysis of some *Salix* L. taxa based on ssr markers in north and east anatolian region of turkey**
ARAS E. S., BÜYÜK İ., ÇOŞKUNÇELEBİ K., ŞİMŞEK D., SERDAR B., ÇETER T., CANSARAN DUMAN D., BÜYÜK P., PINAR

N. M.

International DNA day and genome congress, Kırşehir, Turkey, 24 - 28 April 2017

- XXXVII. **The Pollen Morphology And Genetic Analysis of Two Endemic Turkish Salix L. Based On SSR Markers**
BÜYÜK İ., ARAS E. S., ÇOŞKUNÇELEBİ K., ŞİMŞEK D., ACAR ŞAHİN A., SERDAR B., ÇETER T., CANSARAN DUMAN D.,
BÜYÜK B. P., PINAR N. M.

International DNA Day and Genome Congress, Kırşehir, Turkey, 24 - 28 April 2017

- XXXVIII. **Genome-wide identification of CAMTA gene family members in Phaseolus vulgaris and their expression during salt stress.**

BÜYÜK İ., İLHAN E., YILDIRIM D., İNAL B., ARAS E. S.

International DNA Day and Genome Congress, Kırşehir, Turkey, 24 - 28 April 2017

- XXXIX. **The Genetic Analysis Of Some Salix L. Taxa Based On Ssr Markers In North And East Anatolian Regions Of Turkey**

ARAS E. S., BÜYÜK İ., ÇOŞKUNÇELEBİ K., ŞİMŞEK D., ACAR ŞAHİN A., SERDAR B., ÇETER T., CANSARAN DUMAN D.,
BÜYÜK B. P., PINAR N. M.

International DNA Day and Genome Congress, Kırşehir, Turkey, 24 - 28 April 2017

- XL. **Determination of effect cytotoxic apoptotic caspase 3 activity and mRNA expression levels of apoptotic related genes of vulpinic acid on breast cancer cell lines**

Kılıç N., ARAS E. S., Cansaran Duman D.

FEBS 2016, 3 - 08 September 2016

- XLI. **Determination of effect cytotoxic, apoptotic, caspase-3 activity and mRNA expression levels of apoptotic related genes of vulpinic acid on breast cancer cell lines**

Kilic N., Aras S., CANSARAN DUMAN D.

41st FEBS Congress on Molecular and Systems Biology for a Better Life, Kusadasi, Turkey, 3 - 08 September 2016, pp.303

- XLII. **Protein Profiles Alternation of Safflower Under Drought Stress**

Özenoğlu S., Kılıç N., BÜYÜK İ., ARAS E. S., Cansaran Duman D.

1st International Black Sea Congress on Environmental Sciences, 31 August - 03 September 2016

- XLIII. **Genome wide in silico analysis of salinity responsive DOF family transcription factors in common bean**

BÜYÜK İ., ARAS E. S.

1st International Black Sea Congress on Environmental Sciences, 31 August - 03 September 2016

- XLIV. **Evaluation of Zinc (Zn²⁺) stress on protein content, DNA and changes in DNA methylation models in sunflower seed germination**

Bolukbasi E., Bolukbasi A., Aras S.

European Biotechnology Conference, Latvia, 5 - 07 May 2016

- XLV. **Screen a usnic acid lichen seconder metabolite to determine their cytotoxic effects and mRNA expression level**

DİNÇSOY A. B., Semra S. A., Hakan B., DERİCİ M. K., ARAS E. S., Demet C. D.

IV. Uluslararası Moleküler Biyoloji Kongresi, 27 - 29 November 2015

- XLVI. **Cytotoxic effect of vulpinic acid in epithelial derived cancer cell lines and evaluation of the expression patterns by quantitative RT PCR assay**

Semra S. A., Hakan B., DERİCİ M. K., ARAS E. S., Demet C. D.

IV. Uluslararası Moleküler Biyoloji Kongresi, 27 - 29 November 2015

- XLVII. **The Pollen Morphology and Genetic Analysis of Eastern Black Sea Turkish Salix L Based on SSR Markers**

PINAR N. M., ŞİMŞEK D., BÜYÜK İ., Burcu Pelin B., ARAS E. S., Kamil C., ÇETER T., SERDAR B., CANSARAN DUMAN D.,
ACAR A.

Mediterranean Palynology Symposium, 8 - 10 October 2015

- XLVIII. **Salix acmophylla Üzerinde Anatomik Palinolojik ve Moleküler Biyolojik Çalışmalar**

BÜYÜK İ., ARAS E. S., CANSARAN DUMAN D.

1. Ulusal Bitki Biyolojisi Kongresi, Turkey, 2 - 04 September 2015

- XLIX. **the pollen morphology and genetic analysis of some turkish salix based on ssr markers**
PINAR N. M., şimşek d., ARAS E. S., BÜYÜK İ., ÇOŞKUNÇELEBİ K., ÇETER T., SERDAR B., ACAR A.
icaps 2014 international conference on advances in plant sciences, Kuching, Malaysia, 18 - 22 November 2014
- L. **The pollen morphology and genetic analysis of some Turkish salix L based on SSR markers**
BÜYÜK İ., ARAS E. S.
2nd International Conference on Advances in Plant Sciences (ICAPS 2014, 18 - 22 November 2014
- LI. **Obezite ve Aspir Kullanımı**
BÜYÜK İ., ARAS E. S.
2. Ulusal Çocuk ve Ergen Obezitesi Sempozyumu, Turkey, 13 - 16 November 2014
- LII. **Investigation of stress response of FAD2 gene to salt and drought stress in safflower at mRNA level with qRT PCR**
Hasanbaglo M., Süt İ., CANSARAN DUMAN D., ARAS E. S., BÜYÜK İ.
III. International Congress of the Molecular Biology Association, 10 - 12 September 2014
- LIII. **Expression levels of the laccase gene in lichen Pseudevernia furfuracea subjected to Pb 2 heavy metal stress**
BÜYÜK İ., DEMİRALP B., ÖZENOĞLU S., ARAS E. S., CANSARAN DUMAN D.
III. International Congress of the Molecular Biology Association, 10 - 12 September 2014
- LIV. **Ağır Metal ve UV Stresine Maruz Kalmış Ayçiçeği Bitkisinde HSP 17 7 Geninin Anlatım Seviyelerinin Belirlenmesi**
BÜYÜK İ., CANSARAN DUMAN D., TANRISEVEN M., ARAS E. S.
1. Ulusal Bitki Biyolojisi Kongresi, Turkey, 2 - 04 September 2015
- LV. **Erzurum İlinde Dört Farklı Liken Türü Kullanılarak Genotoksik Etkinin Değerlendirilmesi**
ASLAN A., BÜYÜK İ., ÖZENOĞLU S., DEMİRALP B., ARAS E. S., CANSARAN DUMAN D.
22. Ulusal Biyoloji Kongresi, Turkey, 23 - 25 June 2014
- LVI. **Hypogymnia physodes liken tu ru nde UVB rasyosyonu uygulanması sonucunda klorofil protein ic erig i ve DNA metilasyon modelindeki olası deg is imlerin moleku ler marko rler ile deg erlendirilmesi**
HAMUTOĞLU R., DERİCİ K., ARAS E. S., CANSARAN DUMAN D.
22. Ulusal Biyoloji Kongresi, Eskişehir, Turkey, 23 - 27 June 2014
- LVII. **Relation between different concentrations of Cd+2 treatment and mRNA levels of 17.7 kDa heat-shock protein gene in <i>Helianthus annuus</i> plants**
BÜYÜK İ., Fazlioglu A., Aras S.
Eurobiotech Agriculture Symposium, Kayseri, Turkey, 12 - 14 April 2012, pp.45
- LVIII. **Relationships among lipid peroxidation, enzyme activity and gene expression profiles of superoxide dismutase in <i>Lycopersicum esculentum</i> L. exposed to cold stress**
AYDIN DİLSİZ S., Gökçe E., ARAS E. S.
Eurobiotech Agriculture Symposium, Kayseri, Turkey, 12 - 14 April 2012, pp.47
- LIX. **Reactive oxygen species and antioxidant response of catalase in <i>Helianthus annuus</i> L. subjected to Cd+2 stress**
BÜYÜK İ., Kazancık A. B., Aras S.
Eurobiotech Agriculture Symposium, Kayseri, Turkey, 12 - 14 April 2012, pp.45
- LX. **Defence responses in tomato (<i>Lycopersicum esculentum</i> L.) contaminated with different concentration of Cu²⁺**
BÜYÜK İ., Aydın S. S., Bolukbasi E., Aras S.
Eurobiotech Agriculture Symposium, Kayseri, Turkey, 12 - 14 April 2012, pp.30
- LXI. **Expression analysis of catalase and superoxide dismutase genes in <i>Lycopersicum esculentum</i> L. under zinc stress**
BÜYÜK İ., Aydın S. S., Altunkaynak E., Aras S.
Eurobiotech Agriculture Symposium, Kayseri, Turkey, 12 - 14 April 2012, pp.31
- LXII. **Catalase gene expression profiles of <i>Lycopersicum esculentum</i> L. under salinity and drought stress**

- Gokce E., AYDIN DİLSİZ S., ARAS E. S.
European Biotechnology Congress, İstanbul, Turkey, 28 September - 01 October 2011
- LXIII. **Heavy metal induced gene expression profiles of catalase in *Lycopersicum esculentum* L.**
Aydin S. S., BÜYÜK İ., Aras S.
European Biotechnology Congress, İstanbul, Turkey, 28 September - 01 October 2011
- LXIV. **Catalase Gene Expression Profiles of *Lycopersicum esculentum* L Under Salinity and Drought Stress**
GÖKÇE E., SOYDAM AYDIN S., ARAS E. S.
European Biotechnology Congress 2011, 01 September 2011
- LXV. **DNA damage assesment in lichen species *Pseudevernia furfuracea* exposed to zinc II**
KILIÇ Z., ÇELİKKOL P., ATAKOL O., EMREGÜL E., CANSARAN DUMAN D., ARAS E. S.
6th International Conference of Chemical Societies of South Eastern European Countries, Bulgaria, 10 - 14 September 2008
- LXVI. **Biosorption characteristics of Zinc II from aqueous solutions by *Pseudevernia furfuracea***
KILIÇ Z., ATAKOL O., EMREGÜL E., ÇELİKKOL P., ARAS E. S., CANSARAN DUMAN D.
6th International Conference of Chemical Societies of South Eastern European Countries., Bulgaria, 10 - 14 September 2008
- LXVII. **DNA changes in lichen species *Lobaria pulmonaria* induced by copper pollution**
KILIÇ Z., ATAKOL O., EMREGÜL E., CANSARAN DUMAN D., ARAS E. S.
6th International Conference of Chemical Societies of South Eastern European Countries., Bulgaria, 10 - 14 September 2008
- LXVIII. **Biosorption of copper II from aqueous solutions by *Lobaria pulmonaria***
KILIÇ Z., ATAKOL O., EMREGÜL E., ÇELİKKOL P., ARAS E. S., CANSARAN DUMAN D.
6th International Conference of Chemical Societies of South Eastern European Countries., Bulgaria, 10 - 14 September 2008
- LXIX. **Domates *Lycopersicon lycopersicum* L Tohumlarına Uygulanan Kurs un Pb Ag ır Metalinin C imlenmeye Etkileri**
KILIÇ Z., ARAS E. S.
KTU Trabzon, Turkey, 23 - 27 June 2008
- LXX. **Patlıcan *Solanum melongena* Tohumlarında Ag ır Metal Stresine Kars ı Olası Deg is iklerin Belirlenmesi**
AKSOY D., ARAS E. S.
KTU Trabzon, Turkey, 23 - 27 June 2008
- LXXI. **Phylogenetic Relations of *Rhizoplaça Zopf* From Anatolia Inferred from ITS Sequence Data**
DEMET C. D., ARAS E. S.
XV FESBP Congress, France, 17 - 21 July 2006
- LXXII. **Chloroplast Haplotype Distribution in *Vitis vinifera* L Along the Meditteranean Basin and Pattern of Domestication of Wine Grapevine Cultivars**
GARCÍA R., BOLLING L., GARCÍA L., OCETA R., SÖYLEMEZOĞLU G., ARAS E. S., UZUN I., ERGÜL A., ZAPATER J.
Plant and Animal Genome XII The International Conferance on the Status of Plant and Animal Genome Reseach., United States Of America, 10 - 14 January 2004
- LXXIII. **Kalecik Karası U zu m C es idi Klonlarında AFLP Amplified Fragment Length Polymorphism Teknig i ile Polimorfizimin Belirlenmesi**
ERGÜL A., ARAS E. S., SÖYLEMEZOĞLU G., AĞAOĞLU Y.
Türkiye V. Bağcılık ve Şarapcılık Sempozyumu, Turkey, 05 October 2002 - 09 September 2000, pp.31-37
- LXXIV. **Randomly Amplified Polymorphic DNA Markers In15*Trifolium pratense* L**
ARAS E. S., BÜYÜKKARTAL H. N.
XV. Ulusal Biyoloji Kongresi, Ankara, Turkey, 5 - 09 September 2000, pp.24
- LXXV. **Glutathione S Transferase T1 GSTT1 Polymorphism and Lung Cancer Risk Among Turkish Population**
ARAS E. S., SAVAŞ İ., ALPAS İ., BALTACI V.
4th Xenobiotic Metabolism and Toxicity Workshop of Balkan Countries, Turkey, 12 April 2000 - 16 April 1999
- LXXVI. **Anne Kanında Fetal DNA nın Belirlenmesinde En Etkili Materyal Maternal Serum Maternal Plazma**

Maternal DNA

BALTACI V., ZEYNELOĞLU H. B., ALPAS İ., KUŞÇU Ü. E., ARAS E. S., HABERAL A., BATIOĞLU A. S.
Ulusal Perinatoloji Kongresi, Journal of Perinatology, 1 - 02 November 1999, vol.7, pp.39

LXXVII. **Sister chromatid exchange SCE rate from pleural fluid cells in patients with malign mesotelioma**
ATALAY F., BALTACI V., ALPAS I., ARAS E. S., ATIKCAN S., BALCI S.

31st Annual Meeting of European Society of Human Genetics, Switzerland, 29 May - 01 June 1999

LXXVIII. **Unbalanced t 3 11 p23 q24 in two sisters with Jacobsen syndrome**

BALTACI V., TOKEL K., GÜRAKAN B., ÖZBEK N., ALPAS İ., ARAS E. S.

31st Annual Meeting of European Society of Human Genetics., Switzerland, 29 May - 01 June 1999

LXXIX. **Which is the most advantaged for prenatal non invasive fetal diagnosis Maternal plasma serum or extracted DNA**

ALPAS I., ARAS E. S., BALTACI V., BATIOĞLU S., KUSCU E., HABERAL A.

31st Annual Meeting of European Society of Human Genetics, Switzerland, 29 May - 01 June 1999

LXXX. **Association of retinal vein thrombosis with factor V 1691 G A Leiden and prothrombin 20210 G A mutation P**

ARAS E. S., ALPAS İ., BALTACI V., YILMAZ G., AYDIN P.

31st Annual Meeting of European Society of Human Genetics., Switzerland, 29 May - 01 June 1999

LXXXI. **Poly ADP ribose Polymerase Polymorphism in Turkish Population**

AKAR N., DALGIN G., ARAS E. S., Akar e., EZER Ü., CİN Ş.

XIVth Meeting of the International Society of Haematology, Stockholm, Sweden, 02 January 1997, vol.125

LXXXII. **Regulation of Chemokine Genes in Human Astrocytoma Cells by IFN g and TNF a**

Ransohoff R., ARAS E. S., Chaturvedi P.

The FASEB Journal, Experimental Biology 94, California, United States Of America, 1 - 03 September 1994, vol.8, pp.1147

Supported Projects

Büyük İ., Aras E. S., Project Supported by Higher Education Institutions, Yaygın anöploidilerin prenatal dönemde hızlı ve eş zamanlı taramasında Real-Time PCR temelli yeni ve milli kit geliştirilmesi, 2023 - 2024

Aras E. S., Project Supported by Other Official Institutions, Fasulye'de (Phaseolus vulgaris L.) B-BOX Gen Ailesi Üyelerinin Genom Çapında Tanımlanması, Gelişim ve Stres Tepkileri Sırasında İfadeleri, 2022 - 2023

Aras E. S., Şafak S., Project Supported by Higher Education Institutions, Phaseolus vulgaris L.'de MADS-box Genlerinin Genom Düzeyinde Tanımlanması ve Gen İfade Seviyelerinin Abiyotik Stres Faktörleri ile İlişkisi, 2022 - 2023

Büyük İ., Aras E. S., Embassy Grant Program Project, Türkiye'de Tarımsal Biyoteknoloji Alanında Girişimcilik ve Üniversite-Sanayi İşbirliği Faaliyetlerinin Artırılmasına Yönelik Farkındalık Çalışmaları, 2019 - 2021

ARAS E. S., Project Supported by Higher Education Institutions, TOPRAKTA DENİTRİFİYER POPULASYON BÜYÜKLÜĞÜNÜN ÖLÇÜMÜ, BAKTERİ KOMMÜNİTE YAPILARI VE KÜLTÜRE ALINABİLEN DENİTRİFİYERLERİN nosZ VE 16S rRNA GENLERİNİN KARŞILAŞTIRILMASI, 2017 - 2018

BÜYÜK İ., ARAS E. S., GÜR DEDEOĞLU B., Project Supported by Higher Education Institutions, Meme Kanseri Üzerinde Usnik Asit Sekonder Metabolitine Karşı Cevap Veren mikroRNA'xların mikrodizin Yöntemi ile Belirlenmesi, 2015 - 2018

BÜYÜK İ., ARAS E. S., Project Supported by Higher Education Institutions, Tuz stresiyle ilişkili DOF transkripsiyon faktörü ailesinin fasulye bitkisinde genom düzeyinde in silico tanımlanması ve gen ifadesi analizleri, 2016 - 2017

Büyük İ., Cansaran Duman D., Aras E. S., Project Supported by Higher Education Institutions, Tuz ve Kuraklık Stresinin Aspir (Carthamus tinctorius L.) Bitkisinde FAD2 Geni İfadesi Üzerine Etkisinin Araştırılması, 2015 - 2016

Cansaran Duman D., Büyük İ., Aras E. S., Project Supported by Higher Education Institutions, Kadmiyum (Cd) Ağır Metalinin Ayçiçeği (Helianthus annuus L.) Bitkisinde Katalaz (CATA3) Geni İfadesi Üzerindeki Etkisinin Araştırılması, 2015 - 2016

ARAS E. S., Project Supported by Higher Education Institutions, UV Cr tuz ve kuraklık stresi altında geliştirilmiş ayçiçeği Helianthus annuus L bitkisinde hücre döngüsü genlerinden Retinoblastoma Rb Myelocytomatosis ve E2F genlerine ait mRNA ifade seviyelerinin belirlenmesi, 2015 - 2016

ARAS E. S., Project Supported by Higher Education Institutions, Tuz ve Kuraklık Stresinin Aspir Bitkisinde FAD2 Geni İfadesi Üzerine Etkisinin Araştırılması, 2015 - 2016

ARAS E. S., BÜYÜK İ., Project Supported by Higher Education Institutions, Yerli ve yabancı aspir *Carthamus tinctorius* L çeşitlerinde oleik asidin Omega 9 linoleik aside Omega 6 çevriminden sorumlu olan ve kaliteli yağ üretiminde rol sahibi olduğu düşünülen FAD2 genlerinin Real Time PCR aracılığıyla analizi, 2014 - 2016

BÜYÜK İ., ARAS E. S., PINAR N. M., Project Supported by Higher Education Institutions, Türkiye Sağlık Bakanlığı Salıncı Taksonları Üzerinde Palmolojik Moleküler Ve Mikromorfolojik Araştırmalar, 2013 - 2016

BÜYÜK İ., ARAS E. S., Project Supported by Higher Education Institutions, Farklı Fasulye Çeşitlerinde LEA 3 Geninin Tuz ve Kuraklık Stresine Karşı İfade Seviyelerinin Kantitatif Real Time PCR Yöntemleriyle İncelenmesi, 2013 - 2015

BÜYÜK İ., ARAS E. S., Project Supported by Higher Education Institutions, Pb 2 ağır metal stresi altındaki *Pseudovernia furfuracea* liken türünde lakkaz enzimini kodlayan genin anlatım seviyelerinin belirlenmesi, 2013 - 2014

Cansaran Duman D., Aras E. S., Project Supported by Higher Education Institutions, *Hypogymnia physodes* liken türünde UVA, UVB, UVC radyasyonlarının ve Pb²⁺, Cr⁶⁺ katyonlarının uygulanması sonucunda DNA ve DNA metilasyon profilindeki olası değişimlerin moleküler markörler ile değerlendirilmesi, 2013 - 2014

ARAS E. S., Project Supported by Higher Education Institutions, Du nya *Nigella L Ranunculaceae* Türleri Üzerinde Moleküler Biyolojik Araştırmalar, 2011 - 2014

Cansaran Duman D., Aras E. S., TUBITAK Project, *Ramalina farinacea* ve *Hypogymnia physodes* liken türlerinde UV radyasyonları ve bazı ağır metallerin genotoksik etkilerinin ve DNA metilasyon modelindeki olası değişimlerin moleküler markörler ile değerlendirilmesi, 2012 - 2013

BÜYÜK İ., ARAS E. S., Project Supported by Higher Education Institutions, Cu²⁺ ve Zn²⁺ gibi ağır metal stresi altındaki patlıcan *Solanum melongena* L bitkisinin katalaz CAT antioksidant enzimini kodlayan genin anlatım seviyelerinin belirlenmesi, 2012 - 2013

ARAS E. S., TUBITAK Project, UV radyasyonlarına ve bazı ağır metallerle karşı *Ramalina farinacea* ve *Hypogymnia physodes* liken türlerinde genotoksik etkinin ve DNA metilasyon modeli değişimlerinin moleküler markörler ile değerlendirilmesi, 2011 - 2012

ARAS E. S., TUBITAK Project, Kayseri İli Yöresinde Kirliliğe Maruz Bırakılmış *Pseudevernia furfuracea* L Zopf Liken Türünde Atomik Absorbsiyon Spektroskopisi ile Ağır Metal Analizi ve Hava Kirliliğinin Genotoksitesinin Moleküler Markörlerle Değerlendirilmesi, 2009 - 2010

Cansaran Duman D., Aras E. S., TUBITAK Project, Kayseri İli Yöresinde Kirliliğe Maruz Bırakılmış *Pseudevernia furfuracea* (L.) Zopf. Liken Türünde Atomik Absorbsiyon Spektrometresi ile Ağır Metal Analizi ve Hava Kirliliğinin Genotoksitesinin Moleküler Markörlerle Değerlendirilmesi, 2009 - 2010

EMREGÜL E., EMREGÜL K. C., ARAS E. S., TUBITAK Project, Süperoksit Radikallerinin Tayini İçin Jelatin-karboksimetilselüloz-süperoksit Dismutaz Biyosensörünün Geliştirilmesi, 2008 - 2010

ARAS E. S., Project Supported by Higher Education Institutions, Türkiye'de Yayılış Gösteren Bazı Lecidea Liken Türlerinin rDNA ITS Bölgesinin Dizi Analizi Yöntemi ile Tanımlanması, 2007 - 2010

Cansaran Duman D., Aras E. S., Project Supported by Higher Education Institutions, Türkiye'de Yayılış Gösteren Bazı Lecidea liken türlerinin rDNA ITS Bölgelerinin Dizi Analizi Yöntemi ile Tanımlanması, 2006 - 2009

ARAS E. S., Project Supported by Higher Education Institutions, Türkiye'de Yayılış Gösteren Bazı *Aspicilia* Massal Liken Türlerinin rDNA ITS Bölgesinin Dizi Analizi Yöntemi ile Tanımlanması, 2005 - 2007

Cansaran Duman D., Aras E. S., Project Supported by Higher Education Institutions, Türkiye'de Yayılış Gösteren Bazı *Aspicilia* Liken Türlerinin Moleküler Biyolojik Yöntemlerle Tanımlanması, 2004 - 2007

Cansaran Duman D., Aras E. S., Project Supported by Higher Education Institutions, Türkiye'de yayılış gösteren Bazı *Aspicilia* Liken Türlerinin rDNA ITS Bölgelerinin Dizi Analizi ile Tanımlanması, 2005 - 2006

YILDIRIM Ö., ARAS E. S., Project Supported by Higher Education Institutions, Çeşitli Kaynaklardan Proteinaz K serin proteaz İzolasyonu ve Karakterizasyonu, 2002 - 2006

ARAS E. S., Project Supported by Higher Education Institutions, Trabzon hurması *Diospyros kaki* L Bitkisinin AFLP AMPLIFIED FRAGMENT LENGTH POLYMORPHISM ile Moleküler Karakterizasyonu, 2002 - 2005

ARAS E. S., Project Supported by Higher Education Institutions, Türkiye'de Bulunan *Hesperis L Cinsinin* Moleküler Biyolojik Yöntemlerle Filogeni Analizi, 2002 - 2004

ARAS E. S., TUBITAK Project, Türkiye'de Bulunan *Hesperis breviscapa* Boiss ve *Hesperis kotschy* Boiss Türlerinin Evrimsel İlişkilerinin Araştırılması, 2001 - 2002

YILDIRIM Ö., ARAS E. S., TUBITAK Project, GSTM1 geninin Normal Bireylerde ve Akciger Kanserli Hastalarda RFLP Analizi ile Incelenmesi, 2000 - 2002

ARAS E. S., TUBITAK Project, GAP Bölgesi Bağcılıkta Kuraklık ve Tuz Stresine Dayanıklılığın Moleküler Biyolojik Yöntemlerle Tanımlanması Uzerinde Aras tirmalar, 1998 - 2001

Büyükkartal H. N., Aras E. S., Çölgeçen H., Project Supported by Higher Education Institutions, Trifolium pratense L nin doğal tetraploid ve diploid çeşitlerinin RAPD analizi ile incelenmesi, 1997 - 1999

ARAS E. S., TUBITAK Project, Trifolium pratense L nin Doğal Tetraploid ve Diploid çeşitlerinin RAPD Analizi ile Incelenmesi, 1997 - 1999

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