

CURRICULUM VITAE



*Prof. Dr. Ahu
ALTINKUT UNCUOĞLU*

CURRENT POSITION

Professor, Marmara University, Faculty of Engineering, Department of Bioengineering

ADDRESS

Marmara University, Faculty of Engineering, Department of Bioengineering,
Göztepe Campus, 34722, Göztepe, Istanbul/Turkey.

Phone: 216-3480292 -1684

GSM: 555-489-07-21

Fax: 216-3480293

E-mail: ahu.uncuoğlu@marmara.edu.tr

Web: <http://mimoza.marmara.edu.tr/~ahu.uncuoğlu/>

EDUCATION

PhD: TUBITAK Marmara Research Center, Genetic Engineering and Biotechnology Institute and Colorado State University, Department of Soil and Crop Sciences, CO, USA, (2001, Istanbul University, Science Institute, Molecular Biology and Genetics Program).

MSc: Istanbul University, Science Faculty, Department of Molecular Biology and Genetics, (1996, Istanbul University, Science Institute, Molecular Biology and Genetics Program).

BSc: Istanbul University, Science Faculty, Department of Biology, 1994.

EMPLOYMENT

2017- **Vice Dean**, Marmara University Faculty of Engineering.

2017- **Director**, Marmara University Innovation and Technology Transfer Application and

Research Center.

2017- **Board Member**, Marmara University Center for Regional Development (MACRED).

2017- **Senator of Engineering Faculty**

2016- 2017 **Coordinator**, Marmara University Innovation and Technology Transfer Office.

2015 **Member**, Marmara University Member of Strategy Commission.

2014- **Professor**, Marmara University, Faculty of Engineering, Department of Bioengineering.

2013-2015 **Board Member**, Marmara University Environmental Issues Research and Implementation Center.

2012-2016 **Board Member**, Marmara University Innovation and Technology Transfer Office (MITTO).

2011 - 2014 **Associate Professor**, Marmara University, Faculty of Engineering, Department of Bioengineering.

2008 - 2011 **Vice Director**, TUBITAK Marmara Research Center, Genetic Engineering and Biotechnology Institute.

2008 **Associate Professor**, TUBITAK Marmara Research Center, Genetic Engineering and Biotechnology Institute.

2007 - 2008 **Chief Research Scientist**, TUBITAK Marmara Research Center, Genetic Engineering and Biotechnology Institute.

2005 - 2007 **Senior Research Scientist**, TUBITAK Marmara Research Center, Genetic Engineering and Biotechnology Institute.

2005 - 2006 **Part time Faculty Member**, Sabancı University, Faculty of Engineering and Natural Sciences.

2004 - 2005 **Research Associate**, (12 months), Colorado State University, Department of Soil and Crop Sciences, CO, USA.

2003 - 2004 **Post-doctoral Scientist**, (18 months), Haifa University, Institute of Evolution, Israel.

1996 - 2005 **Research Scientist**, TUBITAK Marmara Research Center, Genetic Engineering and Biotechnology Institute.

AWARDS/FELLOWSHIPS/DISTINCTIONS

2010 **Project Award**, Category A, TUBITAK Marmara Research Center, (*For defining DNA markers diagnostic for wheat yellow rust resistant genotypes in the frame of TUBITAK 1007 Project titled "Identification of DNA Markers Genetically Linked with Yellow Rust Resistance in Wheat", 2006-2010*).

2008 **Project Award**, Category B, TUBITAK Marmara Research Center, (*For obtaining differentially expressed transcripts for drought tolerance in Aegilops tauschii in the frame of TUBITAK 1001 Project titled "Physiological and Molecular Analysis of Aegilops tauschii in Response to Salt Tolerance for Identification of New Gene Resources", 2005-2008*).

2004 - 2006 **Senior Researcher**, in the Institute of Evolution, University of Haifa, Israel.

2003 **Post-doctoral Fellowship**, University of Haifa, Research Authority, (*7500 USD for conducting studies on molecular cytogenetic studies for transposable elements in wild species of wheat and barley for 6 months*).

2003 **Vavilov Frankel Fellowship**, International Plant Genetic Research Institute, (*20.000 USD for*

conducting work on structural and functional studies of drought tolerance genes in Triticeae at Haifa University, Institute of Evolution, Haifa, Israel for 6 months. Being as a first Turkish scientist for having this fellowship).

2003 UNESCO-L'oreal Young Women in Science, UNESCO-L'oreal, (20.000 USD for conducting studies on cloning and characterisation of drought tolerance genes in Triticeae at Haifa University, Institute of Evolution, Haifa, Israel for one year. Being as a first Turkish scientist for having this fellowship representative for Europe and North America Region).

1999 World Bank-MRC Fellowship, TUBITAK Marmara Research Center, (25.000 USD for conducting studies on mapping plant genes at Colorado State University, CO, USA for one year).

PATENTS

PCT Application: A Solar Energy System Allowing the Spread of The Unit of Light Beam to A Larger Receiver Surface in The Same Unit Area.

The invention is characterised by a reflecting or bending element that directs the incident light beam by reflecting or bending it toward a surface which is larger than the installation ground area; solar panles are positioned at the point where the reflected or bent incident beam falls).

Application number: PCT/TR2016/050069

RESEARCH INTERESTS and SPECIALISATION

- Biotic (plant diseases) and abiotic (drought and salt stresses) stress tolerance in crops at molecular level.
- Molecular breeding, Marker Assisted Selection (MAS) studies in plant breeding.
- Plant tissue culture and haploid plant production.
- Association mapping and DNA barcoding studies in plants, understanding plant biodiversity at molecular level.
- Techology transfer and university-industry relations in biotechnology area.

FUTURE RESEARCH TARGETS

Performing multi-disciplinary and target oriented research in collaboration with academic and industrial partners in agriculture:

- Use of nanomaterials of used as an antimicrobial agent in environmental fields by plant in vitro culture techniques.
- Nano array based gene technologies for gene expression in plants under stress conditions.
- High throughput DNA sequencing in plants especially economically important and strategic crops, endemic and endangered species and nano-fabricated gel-free systems.

RESEARCH PROJECTS

Projects in the Area of Scientific Expertise

2017 – 2018 Project leader

Flow Cytometric Investigations of Cellular Parameters in Living Systems: Applications in Plants. **Marmara University Research Foundation**, 70.000 USD.

- Determination of the purity of the cellular DNA contents in the sunflower genotypes which are thought to be haploid.
- Identification of species by determining the nuclear DNA content of *Colchicum* candidate species.
- Providing test analysis/research services on circulating capital and to open for use by university and public/private sector institutions and organizations.

2017 – 2018 Project leader

Molecular Phlogeny of *Pistacia* Genus by Single Nucleotide Polymorphism, **Marmara University Research Foundation**, 5600 USD.

- Obtaining phlogenetic tree which show the proximity degree of 8 *Pistacia* genus (*P. atlantica* Desf, *P. integorima*, *P. khinjuk* Stocks, *P. Chinensis*, *P. palaestina* Boiss, *P. terebinthus* L.subsp. *terebinthus*, *P. vera* L. and *P. mutica*), they also grow in flora of Turkey, by the single nucleotide polymorphism and present useful data to plant breeders.

2017 – 2018 Project leader

Molecular Characterisation of Sunflower Broomrape (*Orobanche cumana* Wallr.) Gene Pool, **Marmara University Research Foundation**, 5600 USD.

- Competitive Allele Specific PCR (KASP) assay optimization of sunflower broomrape germplasm by SNP markers.

2016 - 2019 Advisor

Development of Somatic Embryogenesis, Cryopreservation and Synthetic Seed Production Protocols in Some Endemic *Colchicum* Species. **TUBITAK 1001 Project**, 100.000 USD.

- Establishment of protocols for somatic embryogenesis, cryopreservation and synthetic seed production protocols in endemic *Colchicum* species collected different regions of Turkey.

2016 - 2017 Advisor

Identification of Race Composition of Sunflower Broomrape (*Orobanche cumana* Wallr.) in the Thrace Region of Turkey. **TUBITAK BIDEB 2216 Research Fellowship Program** For International Researchers, 8500 USD.

- Having a post-doc from Tunisia (Dr. Sana Ziadi) for one year to perform studies on evaluation of *Orobanche cumana* races collected from Thrace region of Turkey at molecular level.

2015 - 2018 Researcher

Development of Double Haploid Sunflower (*Helianthus annuus* L.) Lines for Herbicide Resistance and Their Use in Breeding Programs, **TUBITAK 1001 Project**, 100.000 USD.

- Establishment of anther and microspor cultures for haploid sunflower genotypes resistant to herbicide.
- Optimization of pretreatments for induction of embryogenic callus formation and regeneration.
- Application of radiation (Co) of sunflower polens, emasculation and embryo rescue.

2016 - 2017 Project leader

Biochemical and Molecular Analysis of Response to in vitro Conditions in Sunflower (*Helianthus*

annuus L.), **Marmara University Research Foundation**, 4200 USD.

-Searching changes during anther culturing period of sunflower at biochemical (enzymatic analyses) and molecular (COMET analysis).

2016 - 2017 Advisor

Identification of Downy Mildew Resistance in Sunflower (*Helianthus annuus* L.) by DNA Markers and Optimisation of Competitive Allele Specific PCR (KASP). **TUBITAK BIDEB 2241A (2209 B)**, Industry Oriented Undergraduate Thesis Support Program, 990 USD.

*-Graduation thesis on evaluation of *Orobanche cumana* races collected from Thrace region of Turkey by single nucleotide polymorphism (SNP) markers and optimisation of Competitive Allele Specific PCR (KASP) assay.*

2015 - 2016 Project leader

Generation of Species-specific DNA barcodes in *Colchicum* L. Gen Pool belong to Turkish Flora. **TUBITAK 1002 Project**, 2015-2016, 8400 USD.

*-Performing multi-marker DNA barcoding analyses (*rbcL*, *matK* and *trnH-psbA* chloroplast genes were chosen which were suggested by CBOL.*

*-The Consortium for the Barcode of Life Plant Working Group) on 49 species, including a total of 168 *Colchicum* populations belong to Turkey's flora.*

2015 - 2018 Project partner and Advisor

Development of Sunflower Hybrid and Parental Half-life Breeding Materials Containing High-Oleic / Medium-Oleic / Linoleic Acid Resistant to Downy Mildew. **TUBITAK TEYDEB 1501 Project**, 225.000 USD.

*-Conducting PCR-based molecular marker analyses for downy mildew resistant genes *PI6*, *PI8*, *PI13*, *Plarg* as well as genes for high-oleic content to select suitable sunflower parental genotypes for breeding efforts.*

2014 - 2016 Project leader

Investigation of Fungal Resistance in Sunflower (*Helianthus annuus* L.) 's with Biotechnological Methods. **Marmara University Research Foundation**, 14.000 USD.

-Development of molecular strategies to combat with downy mildew disease in sunflower by using diagnostic DNA markers.

2014 - 2015 Advisor

Structural and Functional Analysis of *Moco Sulfurase* Gene Under Various Stress Conditions in Barley Plants. **TUBITAK BIDEB 2209 A University Student Support Program** for Domestic-Overseas Research Projects, 2015, 700 USD.

*-Performing DNA sequencing analysis on *Moco sulfurase* gene which is one of the major gene in the last step of abscisic acid (ABA) pathway in different barley genotypes and also expressional profile of *moco sulfurase* under shock stress by quantitative real time PCR.*

2014 - 2015 Advisor

Structural and Functional Analysis of Yellow Rust Resistance Gene *Yr10* in Wheat Gene Pool. **TUBITAK BIDEB 2209 A University Student Support Program** for Domestic-Overseas Research Projects, 700 USD.

*-Conducting DNA sequencing analysis on *Yr10* gene in different wheat genotypes and also*

endogenous expressional profile of moco sulfurase by quantitative real time PCR.

2014 - 2015 Advisor

Determination of Resistance to Sunflower's (*Helianthus annuus*) Mildew Disease by Molecular Markers. **TUBITAK BİDEB 2241B Industry Oriented Undergraduate Thesis Support Program**, 2014, 990 USD.

-Marker assisted selection studies to find out genetically linked molecular markers for Plarg gene for downy mildew resistance in sunflower.

2014 - 2015 Project leader

Identification of Wild Gum Tree (*Pistacia lentiscus* L.) Gene Pool with SSR and ITS Markers. **Marmara University Research Foundation**, 2800 USD.

*-Construction of phylogenetic tree of *Pistacia lentiscus* female and male genotypes based on SSR and ITS markers to understand genetic variability in the species.*

2012 - 2015 Project leader

Identification of Core DNA Content, Morphological Parameters and Association Mapping of *Colchicum* L. Species in Turkey Flora. **TUBITAK 1001 Project**, 100.000 USD.

*-Analyses on 49 species, and 16 species candidates including a total of 168 *Colchicum* populations;
-Assesment of 38 morphological parameters for proper technical characteristics certificate to The International Union for the Protection of New Varieties of Plants (UPOV)
-Flow cytometric analyses of core DNA content
-The genome-wide association mapping conducted within by AFLP, RAPD and chloroplast trnL-trnF region genome-specific markers.*

2012 - 2014 Project leader

Association Mapping of Identifying Gene Levels of Descriptive Morphological Features of *Colchicum* L. Species and Calculation of Intracellular LD Dimensions. **Marmara University Research Foundation**, 5600 USD.

*-Candidate gene-based approach for association mapping for descriptive morphological features of *Colchicum* L. species and calculation of intracellular LD dimensions.*

2012 - 2014 Project leader

Molecular Characterization of *Colchicum* L. Species in Turkish Flora and Mapping of Association at Morphological Data and Genome Level. **Marmara University Research Foundation**, 5600 USD.

*-Phylogenetic relations between 49 *Colchicum* species including 168 populations from flora of Turkey. Four different neighbor joining cladograms were constituted accordance to the Random Amplified Polymorphic DNA (RAPD), Inter Simple Sequence Repeats (ISSR), Amplified Fragment Length Polymorphism (AFLP) markers.*

2012 - 2014 Project leader

Determination of Genetic Diversity in Yellow -Resistant Wheat (*Triticum aestivum* L.) Gene Pool and Gene Expression Analyzes. **Marmara University Research Foundation**, 2800 USD.

-Characterisation of wheat gene pool at structural (by PCR-based markers) and functional (by quantitative gene expression analysis).

2012 - 2013 Project leader

Phylogenetic Analysis of Colchicum L. Species with Markers Specific to Chloroplast Genome, 2012-2013, **Marmara University Research Foundation**, 2800 USD.

-Characterication of non-coding trnT-trnL-trnF regions of chloroplast genome for Colchicum L. genotypes, collected from seven regions of Turkey.

2012-2013 Project leader

Functional Analysis by Q-PCR in Yellow Rust Resistance Geni Yr10 Wheat (*Triticum aestivum* L.). **Marmara University Research Foundation**, 11.200 USD.

-Working quantitative gene expression profile of Yr10 gene under drought and salt stresses in contrast wheat genotypes regarding to yellow rust resistance.

2012 - 2013 Advisor

Identification of Colchicum L. Species in the Flora of Turkey via Nuclear DNA Content, Morphological Parameters and Association Mapping. **TUBITAK BIDEB 2216 Research Fellowship Program For International Researchers**, 8500 USD.

-Having a post-doc from India (Dr. Sandeep Kumar Verma) for one year to perform genome wide association mapping for morphological traits.

2010 - 2011 Project leader

Cultivation of Turkish Geophytes and Gaining of New Species and Cultivars to the Sector. **TUBITAK 1007 Project**, 190.000 USD.

-Molecular analyses to charcaterise geophyte gene pool collected from Turkey by different type of DNA markers.

2008 - 2009 Researcher

Investigations of DNA Methylation Polymorphism in Yellow Rust Resistant and Susceptible Bread Wheat Genotypes. **Marmara University Research Foundation**, 2000 USD.

-CRED-RA analysis for characterisation in yellow rust resistant and susceptible bread wheat genotypes.

2008 - 2009 Researcher

Comparison of Yellow Rust Resistant and Susceptible Bread Wheat Genotypes by Molecular Markers in Gene-Rich Regions. **Marmara University Research Foundation**, 2100 USD.

-Analysis of gene-rich regions of yellow rust resistant and susceptible bread wheat genotypes by PCR-based markers.

2006 - 2010 Project leader

Development of Molecular Markers Genetically Linked Yellow Rust Resistance in Winter Type Bread Wheat. **TUBITAK 1007 Project**, 280.000 USD.

*-Preparation of wheat germplasm for yellow rust resistance.
-Crosses for obtaining mapping population for yellow rust resistance.
-Inoculum preparation and storage of yellow rust fungus (Puccinia striiformis ssp).
-Disease screening tests in greenhouse and field.
-Identification of PCR based molecular markers linked with yellow rust resistant genes.*

2006 - 2009 Researcher

Strengthening Scientific and Technical Research Capacity of TUBITAK Gene Engineering and Biotechnology Research Institute in Functional Genomic Field. **TUBITAK 1001 Project**, 140.000 USD.

-Gaining infrastructure for functional genomic studies on plant, mammalian, animal and industrial biotechnological studies. Organising training courses for young scientists to increase their experience to use structural and functional genomic tools in different disciplines of biotechnology.

2005 - 2008 Project leader

Characterisation of New Gene Resources for Salt Tolerance in *Aegilops tauschii* at Physiological and Molecular Level. **TUBITAK 1001 Project** (in collaboration with Sabancı University, Prof. Ismail Çakmak), 44.000 USD.

-Physiological screening of Aegilops tauschii genotypes by comparing Na, K, Ca intake and Na/K, Na/Ca ratios.

-Identification new transcripts specific for the D genome in response to salt stress by cDNA AFLP.

International and Industrial Projects

2008-2010 EU 7th Framework Project KBBE.2010.1.1-03, Principle Investigator for Turkey.

WWF (Wild Wheat for Worldwide Food): Characterisation of Biodiversity Resources for Wild crop relatives to improve crops by breeding. Principle Investigator for Turkey (representative for TUBITAK MRC GEPI, Turkish Ministry of Food, Agriculture and Livestock, Çukurova University) among 14 partners from EU.

-Score 14.5/15, not supported by EU but it was published in the success story book of TUBITAK.

2003 - 2004 Germany-Israel BARD Funding, Post-doctoral fellow.

Molecular Cloning and Characterization of Drought Resistance Genes in Wild Barley, *Hordeum spontaneum*. Haifa University, Institute of Evolution, Haifa, Israel.

-Cloning and sequencing of ABA biosynthesis genes in mesic and xeric wild barleys.

-Identification of sequence polymorphism among ABA biosynthesis genes between mesic and xeric barley populations.

-Gene expression analysis of ABA biosynthesis genes under a range of stress conditions including water and salt using RT-PCR and Real time PCR instruments.

2003 - 2004 Haifa University, Institute of Evolution Research Foundation, Post-doctoral fellow

Localization of Class II Transposons in Triticeae by Fluorescence In Situ Hybridization. Haifa University, Institute of Evolution, Haifa, Israel.

-Preparation of cytoplasm free somatic and meiotic chromosomes from Triticeae.

-Cloning, sequencing and FISH analysis of En-Spm transposons in Triticeae.

2000 - 2001 Colorado State University, Department of Soil and Crop Sciences, NSF Project, Visiting scientist.

Identifying New Genes for Resistance to Russian Wheat Aphid and Incorporating them into Commercially Acceptable Wheat Varieties, USA.

-Testing of microsatellite markers on the populations segregating for Dn2. Identification of microsatellite marker WMS 437 which is linked to Dn2 at a distance of 2.9 cM.

2000 – 2001 Colorado State University Research Foundation, Department of Soil and Crop Sciences, *Visiting scientist*.

Physical mapping of Russian wheat aphid (RWA) resistance gene *Dn4* in wheat.

-FISH quality metaphase chromosome preparation, identification of positive BAC clones with southern blot analysis and pulse field gel electrophoresis, CotI DNA preparation, probe labeling with nick translation, merging the different fluorescence-labeled pictures using different softwares (Adobe Photoshop, NIH Image, Gene Join Layers, Gene Join Layers).

2000 – 2001 Colorado State University Research Foundation, Department of Soil and Crop Sciences, *Visiting scientist*.

Integrated QTL Analysis of Heat Tolerance in Wheat. Colorado State University, Department of Soil and Crop Sciences, USA.

-Performing microsatellite analysis on heat tolerant and susceptible wheat parents and their recombinant inbred lines for quantitative trait analyses.

1998 - 1999 TUBITAK Marmara Research Center, Genetic Engineering and Biotechnology Institute, Industrial Project (supported by Teknogen Company), *Researcher*.

Microclimate of Fast Growing Forest Trees: *Paulownia elongata*-Establishment of Micropropagation Systems for Industrial Purpose, *Researcher*.

-Optimization of tissue culture systems via direct organogenesis for micropropagation purposes.

1998 - 2001 EUREKA - 1322 Cereal Stresstol Project – Abiotic Stress Tolerance in Wheat and Barley. TUBITAK Marmara Research Center, Genetic Engineering and Biotechnology Institute, *Researcher*.

-Assessment of true-type F₁ hybrids in different wheat and barley lines using RAPDs.

-Selection of drought tolerant and susceptible wheat and barley F₂ genotypes using morphological and physiological markers.

-Determination of drought related molecular markers (AFLP, RAPD, STS and microsatellite) using bulked segregant analysis.

1995 – 1998 Industrial Project supported by SEKA Paper and Pulp Industry. *Researcher*.

Investigation of Poplar Clones Improved by Biogenetic Properties of Paper Raw Materials-I. TUBITAK Marmara Research Center, Genetic Engineering and Biotechnology Institute.

-Establishment of DNA banks and DNA fingerprints of poplar clones for long-term conservation, determination of poplar hybrids with molecular markers.

- Identification of putative transgenic plants by selective culture media, growth and micropropagation of plants, PCR analysis for transformed plants with specific primers, protein gel and enzymatic analysis of putative transgenic plants.

-Genomic DNA isolation from poplar leaf tissues, Random Amplified Polymorphic Analyses (RAPDs).

1999 – 2001 Industrial Project supported by SEKA Paper and Pulp Industry. *Researcher*.

Investigation of Poplar Clones Improved by Biogenetic Properties of Paper

Raw Materials-II. TUBITAK Marmara Research Center, Genetic Engineering and Biotechnology Institute.

- Establishment of DNA banks and DNA fingerprints of poplar clones for long-term conservation, determination of poplar hybrids with molecular markers.
- Identification of putative transgenic plants by selective culture media, growth and micropropagation of plants, PCR analysis for transformed plants with specific primers, protein gel and enzymatic analysis of putative transgenic plants.
- Genomic DNA isolation from poplar leaf tissues, Random Amplified Polymorphic Analyses (RAPDs).

Projects in R&D and Innovation - Activities

2017 – 2018 Project leader

Support Program for Capacity Building in Innovation Entrepreneurship Areas for Marmara University Technology Transfer Office (MITTO), **TUBITAK 1601 Project**, 350.000 USD.

- Project management and development services (university-industry relations).
- Intellectual rights management and licensing services.
- Corporate and entrepreneurship services.

2016 - 2017 TTO coordinator

Support Program for Capacity Building in Innovation Entrepreneurship Areas for Marmara University Technology Transfer Office (MITTO), **TUBITAK 1601 Project**, 280.000 USD.

- Awareness, promotion, information and education services.
- Services for benefiting from Project support programs.
- Project management and development services (university-industry relations).
- Intellectual rights management and licensing services.
- Corporate and entrepreneurship services.

2016 - 2017 Project leader

Marmara University, R&D Strategy Document on Biotechnology, **TUBITAK 1000 Project**, 280 USD.

- Feasibility analysis and future predictions for 5 years based in the potential research & development activities, technical & administrative actions on biotechnology area including industrial biotechnology, agricultural biotechnology, environmental biotechnology, medical biotechnology in Marmara University.

2014 - 2016 Project leader

Increasing the Potential of Marmara University's for TUBITAK ARDEB Project Programs. **TUBITAK 1000 Project**, 51.000 USD.

- Organising project info days, success stories, workshops and applied courses on how to write research proposals for TUBITAK ARDEB Project programs.

February 18 – 20 2017 Participation of Training Course: Fundamentals of Technology Transfer, ASTP PROTON, Sitges, Barcelona, Spain.

July 18-23 2016 Participation of Training Course: Mentoring for Business Development of Start-up Companies with Technology Base by Pera EEMEA, İstanbul, Turkey.

July 3-7 2006 Participation of Symposium: Portland International Center for Management of Engineering and Technology (PICMET) Symposium. "Technology Management". TUSSIDE- Gebze,

Turkey.

Undergraduate Courses Given at Engineering Faculty of Marmara University

- Career Development (HR113) (2014 - 2015, 2015 - 2016, 2016 - 2017, fall)
- Planning and Management of Research (BIOE4072) (2016 - 2017, fall and spring)

PUBLICATIONS

Publications in International Journals (SCI)

- 1) Kevser Kosoglu, Sevcan Yumuk, Yildiz Aydin, Goksel Evcı, **Ahu Altinkut Uncuoglu**. Use of SNP markers by KASP assay for MAS studies in sunflower against *Plasmopara halstedii*. Turkish Journal of Agriculture and Forestry, DOI: 10.3906/tar-1707-53, 41:480-489, (2017).
- 2) Tulin Tascioglu, Yildiz Aydin, Kadir Akan, Sandeep Kumar Verma, Ozge Karakas Metin, **Ahu Altinkut Uncuoglu**. Wheat stripe rust disease: Quantitative profiling of *Yr10* gene. Fresenius Environmental Bulletin, Volume 26, No. 7/2017 pp: 4859-4866, (2017).
- 3) Tulin Tascioglu, O. Karakas Metin, Yildiz Aydin, M. Sakiroglu, K. Akan, **Ahu Altinkut Uncuoglu**. Genetic diversity, population structure, and linkage disequilibrium in bread wheat (*Triticum aestivum* L.). Biochemical Genetics, 54:421–437, DOI 10.1007/s10528-016-9729-x, (2016).
- 4) Alimu Abuduli, Yildiz Aydin, Muhammet Sakiroglu, Ahmet Onay, Sezai Ercisli, **Ahu Altinkut Uncuoglu**. Molecular evaluation of genetic diversity in wild-type mastic tree (*Pistacia lentiscus* L.). Biochemical Genetics, 54:619–635, DOI 10.1007/s10528-016-9742-0, (2016).
- 5) Ahmet Onay, Engin Tilkat, Veysel Suzerer, Ozge Karakas Metin, Yelda Ozden Ciftci, Fatih Mehmet Kilinc, İbrahim Koc, Muhammet Sakiroglu, Hakan Yildirim, **Ahu Altinkut Uncuoglu**, Nazan Calar, Ömer Faruk Akdemir. Rejuvenation of mature lentisk by micrografting and evaluation of genetic stability. Turkish Journal of Biology, 40:781-796, DOI: 10.3906/biy-1510-25, (2016).
- 6) Ertugrul Filiz, Assaf Distelfeld, Tzion Fahima, Ozge Karakas Metin, Eviatar Nevo, Song Weining, **Ahu Altinkut Uncuoglu**. Barley molybdenum cofactor sulfurase (MCSU): sequencing, modeling and its comparison to other higher plants. Turkish Journal of Agriculture and Forestry, DOI: 10.3906/tar-1411-68, (2015).
- 7) Fatih Mehmet Kılınç, Veysel Süzerer, Ahmet Onay, Hakan Yıldırım, Yelda Özden Çiftçi, **Ahu Altinkut Uncuoglu**, İbrahim Koç, Ömer Faruk Akdemir, Özge Karakaş Metin. Clonal micropropagation of *Pistacia lentiscus* L. and assessment of genetic stability using IRAP markers. Plant Growth Regulation, DOI 10.1007/s10725-014-9933-9, (2015).
- 8) Handan Balta, Ozge Karakas Metin, Funda Senturk Akfırat, Fahriye Ertugrul, Semra Hasancebi, Yildiz Aydin, Kadir Akan, Zafer Mert, Muge Turet, **Ahu Altinkut Uncuoglu**. Identification of an AFLP marker linked with yellow rust resistance in wheat (*Triticum aestivum* L.). Turkish Journal of Biology, 38: 371-379 (2014).
- 9) Semra Hasancebi, Zafer Mert, Fahriye Ertugrul, Kadir Akan, Yildiz Aydin, Funda Senturk

Akfirat, **Ahu Altinkut Uncuoglu**. An EST-SSR Marker, bu099658, and its potential use in breeding for yellow rust resistance in wheat. *Czech J. Genet. Plant Breeding*, 50, (1), pp: 11-18, (2014).

- 10) Funda Senturk Akfirat, Fahriye Ertugrul, Semra Hasancebi, Yildiz Aydin, Kadir Akan, Zafer Mert, Mehmet Cakir, **Ahu Altinkut Uncuoglu**. Chromosomal location of genomic SSR markers associated with yellow rust resistance in Turkish bread wheat (*Triticum aestivum* L.). *Journal of Genetics* Vol. 92, No. 2, pp: 233-240, (2013).
- 11) Funda Senturk-Akfirat and **Ahu Altinkut Uncuoglu**. Genetic diversity of winter wheat (*Triticum aestivum* L.) revealed by SSR markers. *Biochemical Genetics*, 51(3), 223-229, (2013).
- 12) Dilek Tok, Funda Senturk-Akfirat, Duygu Sevinç, Yıldız Aydın, **Ahu Altinkut Uncuoglu**. Identification of genetic polymorphism and DNA methylation pattern in wheat (*Triticum aestivum* L.). *Turkish Journal of Field Crops*, 16(2):157-165, (2011).
- 13) Ezgi Cabuk, Yildiz Aydin, Ahu Altinkut Uncuoglu. Assessing wheat (*Triticum aestivum* L.) genotypes for “Yr” resistance genes using conserved regions and simple sequence motifs. *Genetics and Molecular Research*, 10 (4): 3463-3471 (2011).
- 14) Ozge Karakas, Filiz Gurel, A. Altinkut Uncuoglu. Assessment of genetic diversity of wheat genotypes by RGA-EST markers. *Genetics and Molecular Research*, 10 (2): 1098-1110, (2011).
- 15) Ozge Karakas, Filiz Gurel, Ahu Altinkut Uncuoglu. Exploiting of A wheat EST database for assessment of genetic diversity. *Genetics and Molecular Biology*, 33, 4, pp.719-730, (2010).
- 16) F. Senturk Akfirat, Y. Aydin, F. Ertugrul, S. Hasancebi, H. Budak, K. Akan, Z. Mert, N. Bolat, A. Altinkut Uncuoglu. A microsatellite marker for yellow rust resistance in wheat. *Cereal Research Communications*, 38(2), pp. 203–210, (2010).
- 17) S. Ercan, F. Ertugrul, Y. Aydin, F. S. Akfirat, S. Hasancebi, K. Akan, Z. Mert, N. Bolat, O. Yorgancilar, A. Altinkut Uncuoglu. An EST-SSR marker linked with yellow rust resistance in wheat (*Triticum aestivum* L.), *Biologia Plantarum*, 54 (4): 691-696, (2010).
- 18) Yumurtacı A., Aydın, Y., Altinkut Uncuoglu A. Cytological changes in Turkish durum and bread wheat genotypes in response to salt stress, *Acta Biologica Hungarica*, 60 (2), pp. 221–232 (2009).
- 19) Temel, A., Akfirat, F., Ertugrul, F., Yumurtacı, A., Aydın, Y., Talas-Oğraş, T., Gozukirmizi, N., Bolat, Yorgancilar, O., Belen, S., Yıldırım, M., Çakmak, M., Özdemir, E., Çetin, L., Sipahi, H., Albustan, S., Mert, Z., Akan, K., Düşünceli, F., Altinkut Uncuoglu A. Yr10 gene polymorphism in bread wheat varieties. *African Journal of Biotechnology*, 7(14), 2328-2332, (2008).
- 20) Altinkut A., Kotseruba, V., Kirzhner, V. M., Nevo, E., Raskina, O., Belyayev, A. Ac-like transposons in populations of wild diploid Triticeae species: comparative analysis of chromosomal distribution. *Chromosome Research*, 14, 307-317, (2006).
- 21) Altinkut A., Raskina, O., Nevo, E., Belyayev, A. En/Spm-like transposons in Poaceae species: transposase sequences variability and chromosomal distribution. *Cellular and Molecular Biology Letters*, 11(2), 214-22, (2006).
- 22) Çingilli, H., Altinkut, A., Akçin, A. The use of microsatellite markers in the annual and perennial Cicer species growing in Turkey. *Biologia*, 60(1), 93-98, (2005).
- 23) Altinkut, A., Gözükırmızı N. Search for microsatellite markers associated with water stress

tolerance in wheat through Bulk Segregant Analysis. *Molecular Biotechnology*, 23, 97-106, (2003).

- 24) Altinkut, A., Kazan, K., Gözükırmızı, N. AFLP marker linked to water-stress-tolerant bulks in barley (*Hordeum vulgare* L.). *Genetics & Molecular Biology*, 26(1), 77-82, (2003).
- 25) Altinkut, A., Kazan, K., İpekçi, Z., Gözükırmızı, N. Tolerance to paraquat is correlated with the traits associated with water stress tolerance in segregating F₂ population of barley and wheat. *Euphytica*, 121, 81-86, (2001).
- 26) Altinkut, A., Gözükırmızı, N. Critical points of FISH for the localization of single and low copy sequences in plant chromosomes. *Biotechnology and Biotechnological Equipment*, 15(2), 17-23, (2001).
- 27) Çingilli, H., Altinkut, A., Akçin, A. Screening of Turkish chickpea (*Cicer arietinum* L.) genotypes for ascochyta blight resistance using molecular markers. *Biotechnology and Biotechnological Equipment*, 17(1), 65-73, (2003).
- 28) İpekçi, Z., Altinkut, A., Kazan, K., Bajrović, K., Gözükırmızı, N. High frequency plant regeneration from nodal explants of *Paulownia elongata*. *Plant Biology*, 3, 113-115, (2001).
- 29) Miller C. A., Altinkut, A., Lapitan N.L.V A. Microsatellite marker for tagging Dn2, a wheat gene conferring resistance to the Russian wheat aphid. *Crop Science*, 41, 1584-1589, (2001).
- 30) Bajrović, K., İpekçi, Z., Oğraş, T., Altinkut, A., N. Öztürk ve N. Gözükırmızı. Investigations on biotechnologically developed poplar clones as raw material for pulp and paper industry. *Biotechnology and Biotechnological Equipment*, 15(2), 39-43 (2001).
- 31) Bajrović, K., Aydın, Y., Talas-Oğraş, T., İpekçi, Z., Altinkut, A., Gencer O., Gözükırmızı, N. Direct plant regeneration from node and apex explants of cotton in Turkey. *Biotechnology and Biotechnological Equipment*, 15(2), 73-76 (2001).

Publications in International Journals (Peer-reviewed)

- 1) Yumurtacı, A., **Altinkut Uncuoglu A.** Tissue specific responses alter the biomass accumulation in wheat under gradual and sudden salt stress. *Journal of Stress Physiology & Biochemistry*, Vol. 8 No. 4, pp. 143-156, (2012).
- 2) Aydın, Y., Talas-Oğraş, T., **Altinkut, A.**, Ismailoğlu, I., Arıcan, E., Gözükırmızı, N., Cytological studies during cotton somatic embryogenesis with brassinosteroid application. *IUFS Journal of Biology*, 69-1 (2010).
- 3) İpekçi, Z., Oğraş, T., **Altinkut, A.**, Bajrović, K., Kazan, K., Gözükırmızı, N., Boydak, M., Tank, T., Akalp, T., Özden, Ö., Çalikoğlu, M., Tunçtaner, K., Tulukçu, M., Balkan H., Tanrıyar, H. Reduced peroxidase activity is associated with reduced lignin content in transgenic poplar transformed with an antisense peroxidase gene. *Plant Biotechnology*, 16, 381-387, (1999).
- 4) **Altinkut, A.**, Bajrović, K., Gözükırmızı, N. Regeneration and hairy root formation of chickpea using callus derived plantlets and seedlings. *International Chickpea and Pigeonpea Newsletter*, 20, 30-31, (1997).

Book Chapters

- 1) **Ahu Altinkut Uncuoglu**, Yildiz Aydin, Ezgi Cabuk Sahin. Plant DNA Barcoding, A Way of Protection of Diversity: Examples from Colchicum Genus. Gece Publishing, ISBN 978-605-288-062-3. Editors: Prof. Robert L. Elliot, Prof. Hasan Arapgirlioglu, Assoc. Prof. Edward Turgeon, Assist. Prof. Atilla Atik, pp:1627-1633, (2017).
- 2) Yildiz Aydin, **Ahu Altinkut Uncuoglu**. Haploid Production Technology in Some Selected Higher Plants. Gece Publishing, ISBN 978-605-288-062-3. Editors: Prof. Robert L. Elliot, Prof. Hasan Arapgirlioglu, Assoc. Prof. Edward Turgeon, Assist. Prof. Atilla Atik, pp:1775-1780, (2017).
- 3) **Altinkut-Uncuoglu, A.** Genetic Mapping Regarding Linkage and Association. (Chapter 19). Modern Biotechnology and Its Applications. MGGrup Press, ISBN 978-975-6478-63-9. Editors: Prof. Dr. Munis Dundar, Prof. Dr. Haydar Bagis, pp:421-440, (2017).
- 4) **Altinkut-Uncuoglu, A.** Molecular Markers and Genetic Mapping (Chapter 17). Modern Biotechnology and Its Applications. Erciyes University Press, N:180, ISBN 978-605-67442-0-4. Editors: Prof. Dr. Munis Dundar, Prof. Dr. Haydar Bagis, pp:570-599, (2010).
- 5) **Altinkut-Uncuoglu, A.**, Sarmah, B.K., Sharma, K.K., Bhatnagar-Mathur, P., Ratnaparke, R.B., Pawar, P., Ranjekar, P.K. Series on "The Transgenics: Encyclopedia of Biotech Plants" Edited By Prof. Chitta Kole, Dr. Ralph Scorza and Prof. Timothy C. Volume 3. "Legume Grains and Forages-Transgenic Chickpea (Donor Genes, Transformation Methods Employed, Selection of Transformed Tissues)", Blackwell Publishing, USA., pp: 171-188, ISBN:9781-4051-6924-0, (2008).

Book Translations

The Dictionary of Cell & Molecular Biology. Editor for Translation: Assoc. Prof. Nagihan Gülsoy, Assistant Editors: Assoc. Prof. Yıldız Aydın, **Prof. Dr. Ahu Altinkut Uncuoğlu**. Nobel Press. ISBN: 978-605-335-061-3, Fourth Edition (2014).

Chapter Translations

- 1) "Integrated Principles of Zoology", Edited by Hickman Roberts, Keen Eisenhour, Larson l'Anson, Sixteenth Edition; **Translation:** Palme Press, ISBN: 978-0-07-352421-4. Editor for Translation: Prof. Dr. Ertunç Gündüz (2016).
 - **Ahu Altinkut Uncuoglu**. Chapter 3: Cells as Units of Life, pp: 35-54.
 - **Ahu Altinkut Uncuoglu**. Chapter 5: Genetics: A Review, pp: 70-98.
 - **Ahu Altinkut Uncuoglu**. Chapter 6: Organic Evolution, pp: 99-132.
- 2) "Raven Biology of Plants", Edited by Ray F. Evert, Susan Eichhorn, Eight Edition; **Translation:** Palme Press, ISBN: 978-0-07-352421-4. Editor for Translation: Prof. Dr. Ertunç Gündüz (2016).
 - **Ahu Altinkut Uncuoglu**. Chapter 9: Chemistry of Heredity and Gene Expression, pp: 174-191.

- **Ahu Altinkut Uncuoğlu.** Chapter 10: Recombinant DNA Technology, Plant Biotechnology and Genomics, pp: 192-208.
- 3) "LIFE: The Science of Biology", Edited by Sadava Hillis, Heller Berenbaum, Ninth Edition; **Translation:** Palme Press, ISBN: 978-605-355-261-1. Editors for Translation: Prof. Dr. Ertunç Gündüz, Prof. Dr. İsmail Türkan (2014).
- **Ahu Altinkut Uncuoğlu.** Chapter 17: Genomes, pp:365-385.
 - **Ahu Altinkut Uncuoğlu.** Chapter 18: Recombinant DNA and Biotechnology, pp:386-404.
 - **Ahu Altinkut Uncuoğlu.** Chapter 19: Differential Gene Expression in Development, pp:405-425.
 - **Ahu Altinkut Uncuoğlu.** Chapter 20: Development and Evolutionary Change, pp:426-439.
- 4) "Plant Biotechnology and Genetics" Edited by Neal Stewart JR., Wiley Interscience Chapter 14, Editors for Translation: Prof. H. Avni Oktem and Prof. Meral Yucel (2012, 2016).
- F. Ertuğrul, **A. Altinkut Uncuoğlu**, T. Oğras. Chapter 14: Intellectual Property Rights in Agricultural Biotechnology: Strategies for Open Access, pp:325-342.

Proceedings in International Conferences

- 1) **Ahu Altinkut Uncuoğlu.** Designing of Projects in RD Studies in Health Sciences. International Meeting on Education and Research in Health Sciences (IMER-HS), November 03-05 2017, Istanbul, Turkey, Book of Abstracts, PL-3 (*Invited speaker*).
- 2) **Ahu Altinkut Uncuoğlu**, Yıldız Aydın, Ezgi Çabuk Şahin, Goksel Evcı. Competitive Allele Specific PCR (KASP) Genotyping System in Sunflower. International Green Biotechnology Congress, September 11-13, 2017, Istanbul, Turkey, Book of Abstracts, p:47, (*Oral presentation*).
- 3) Ezgi Çabuk Şahin, Yıldız Aydın, Goksel Evcı, **Ahu Altinkut Uncuoğlu.** Molecular Evaluation of Downy Mildew in Sunflower. International Green Biotechnology Congress, September 11-13, 2017, Istanbul, Turkey, Book of Abstracts, p:48, (*Oral presentation*).
- 4) Yıldız Aydın, **Ahu Altinkut Uncuoğlu**, Ezgi Çabuk Şahin, Goksel Evcı. Parthenogenetic Haploid Plants using Gamma Irradiated Pollen in Sunflower. International Green Biotechnology Congress, September 11-13, 2017, Istanbul, Turkey, Book of Abstracts, p:58, (*Oral presentation*).
- 5) **Ahu Altinkut Uncuoğlu**, Övgü Sesal, Melikle Nur Özder, Ezgi Çabuk Şahin, Yıldız Aydın, Ahmet Onay. Molecular Characterisation of Pistacia Species with A Barcode Gene, rbcL. International Green Biotechnology Congress, September 11-13, 2017, Istanbul, Turkey, Book of Abstracts, p:81, (*Poster*).
- 6) **Ahu Altinkut Uncuoğlu**, Sana Ziadi, Ezgi Çabuk Şahin, Yıldız Aydın, Goksel Evcı. Genetic Variability of *Orobanche cumana* Race Populations from Thrace Region of Turkey. International Green Biotechnology Congress, September 11-13, 2017, Istanbul, Turkey, Book of

Abstracts, p:80, (*Poster*).

- 7) **Ahu Altinkut Uncuoğlu**, Yıldız Aydın, Ezgi Çabuk Şahin, Umut Tüyel, Erdal Kaya. From Mapping to Barcoding at DNA Level. A Case Study from Colchicum Genus. 2nd International Balkan Agricultural Congress, May 16-18, 2017, Tekirdağ, Turkey, Book of Abstracts, p:358, (*Oral presentation*).
- 8) Elif Çakmak, **Ahu Altinkut Uncuoğlu**, Goksel Evcı, Yıldız Aydın. Response of Sunflower (*Helianthus annuus* L.) Hybrids to Pretreatment Temperatures with Growth Conditions of Donor Plants in Anther Culture. 2nd International Balkan Agricultural Congress, May 16-18, 2017, Tekirdağ, Turkey, Book of Abstracts, p:357, (*Oral presentation*).
- 9) Nilay Yönet, Yıldız Aydın, Goksel Evcı, **Ahu Altinkut Uncuoğlu**. Identification of *Orobancha cumana* Germplasm from Thrace Region of Turkey by SNP Markers. 2nd International Balkan Agricultural Congress, May 16-18, 2017, Tekirdağ, Turkey, Book of Abstracts, p:356, (*Oral presentation*).
- 10) Kevser Kösoğlu, Sevcan Yumuk, Yıldız Aydın, Goksel Evcı, **Ahu Altinkut Uncuoğlu**. Search for SNP Markers KASP Assay Optimization in Sunflower for Downy Mildew Resistance. 2nd International Balkan Agricultural Congress, May 16-18, 2017, Tekirdağ, Turkey, Book of Abstracts, p:375, (*Poster*).
- 11) Sana Ziadi, Yıldız Aydın, Goksel Evcı, **Ahu Altinkut Uncuoğlu**. The Molecular Genetic Diversity of the Broomrape (*Orobancha cumana* wallr.) Populations of Turkey. 19th International Sunflower Conference, Turkey, May 29–June 3, 2016, Proceeding Book, p: 702, (*Poster*).
- 12) Nilay Yönet, Ezgi Çabuk Şahin, Yıldız Aydın, Goksel Evcı, **Ahu Altinkut Uncuoğlu**. DNA Marker Detection of Downy Mildew (*Plasmopara halstedii*) Resistance in sunflower (*Helianthus annuus* L.). 19th International Sunflower Conference, May 29 – June 3, 2016, Edirne, Turkey, Proceeding Book, p: 701, (*Poster*).
- 13) Elif Kılıç, Nilüfer Akgül, Yıldız Aydın, **Ahu Altinkut Uncuoğlu**. Genotoxic Effects of in Vitro Tissue Culture Conditions in Sunflower (*Helianthus annuus* L.). 19th International Sunflower Conference, May 29 –June 3, 2016, Edirne, Turkey, Proceeding Book p: 610, (*Poster*).
- 14) Ecem Doğan, Nilüfer Akgül, Yıldız Aydın, **Ahu Altinkut Uncuoğlu**, Goksel Evcı. Microspore Culture Response of Sunflower (*Helianthus annuus* L.) Cultivars. 19th International Sunflower Conference, May 29 – June 3, 2016, Edirne, Turkey, Proceeding Book, p: 609, (*Poster*).
- 15) Nilüfer Akgül, Ezgi Çabuk Şahin, Yıldız Aydın, **Ahu Altinkut Uncuoğlu**, Goksel Evcı, Aynur Gürel. Comparative Assessment of Androgenic Response in Sunflower (*Helianthus annuus*). 19th International Sunflower Conference, May 29 –June 3, 2016, Edirne, Turkey, Proceeding Book p: 351, (*Oral presentation*).
- 16) Ezgi Çabuk Şahin, Umut Tüyel, Yıldız Aydın, Metin Tuna, Erdal Kaya, **Ahu Altinkut Uncuoğlu**. Evaluation of Colchicum Genus by Molecular Markers and Nuclear DNA Content, 5th International Conference on Biological, Chemical and Environmental Sciences (BCES-2016) March 24-25, 2016, London (UK), Abstract Book p:62 (*Oral Presentation*).
- 17) **Ahu Altinkut Uncuoğlu**, Yıldız Aydın, Seren Mete, Ezgi Çabuk Şahin, Erdal Kaya. Molecular Characterisation and Phylogenetic Analysis of Colchicum Genus. International Conference on Agriculture, Ecology and Biological Engineering (AEBE-16). March 26-27, 2016, London (UK), Abstract Book p:320, ISBN: 978-93-84422-62-2, (*Invited Speaker*).
- 18) Yıldız Aydın, **Ahu Altinkut Uncuoğlu**, Goksel Evcı, Yalçın Kaya, Aynur Gürel. In vitro

Development of Broomrape and Herbicide Resistant Doubled Haploid Sunflower Lines. International Conference on Agriculture, Ecology and Biological Engineering (AEBE-16). March 26-27, 2016, London (UK), Abstract Book p:321, ISBN: 978-93-84422-62-2, (*Oral Presentation*).

- 19) Nilüfer Akgül, **Ahu Altinkut Uncuoğlu**, Göksel Evcı, Yıldız Aydın. "Cold and Heat Pretreatments of Anther Culture Response in Sunflower (*Helianthus annuus* L.)", International Workshop on "Green Biotechnology", September 21-23, 2015, Bayramoğlu Resort Hotel, Darıca, Kocaeli, TURKEY, Abstract Book p:72 (*Poster*).
- 20) Ezgi Çabuk Şahin, Yıldız Aydın, Erdal Kaya, **Ahu Altinkut Uncuoğlu**. Genetic Diversity in *Colchicum* L. Populations Assessed by Qualitative and Quantitative Traits. International Workshop on "Green Biotechnology", September 21-23, 2015, Bayramoğlu Resort Hotel, Darıca, Kocaeli, Turkey, Abstract Book p:67 (*Poster*).
- 21) Ezgi Ozsarık, Kamer Dinc, Cemre Gunday, Nilufer Akgul, Ezgi Cabuk Sahin, Yıldız Aydın and **Ahu Altinkut Uncuoğlu**. "Functional Analysis of MoCo Sulfurase gene in Barley (*Hordeum vulgare* L.) Under Stress Conditions", November 19-21 2015. VII. International Bioengineering Congress (BEC 2015), Izmir, Turkey, Abstract Book p:110 (*Poster*).
- 22) Ezgi Çabuk Şahin, Yıldız Aydın, Muhammed Şakiroğlu, Erdal Kaya, **Ahu Altinkut Uncuoğlu**. Identification of *Colchicum* L. Species in the Flora of Turkey by DNA Barcoding Approach. International Conference on Advances in Agricultural, Biological and Environmental Sciences (AABES-2015), London, UK, Book of Abstracts p:178, July 22-23, (2015), (*Proceeding, selected as Best Paper*).
- 23) Ezgi Cabuk Sahin, Yıldız Aydın, Erdal Kaya, **Ahu Altinkut Uncuoğlu**. Approaches for Identification of *Colchicum* L. Species in the Flora of Turkey by Morphological Parameters and DNA Barcoding, 6th International Barcode of Life Conference, August 18-21 2015, Guelph, Canada, Genome Vol. 58, 2015, p:274 (*Poster*).
- 24) Ceren Pekşen, Nilay Yönet, Nilüfer Akgül, Ezgi Çabuk Şahin, Yıldız Aydın, **Ahu Altinkut-Uncuoğlu**. "Structural and functional analysis of yellow rust resistance gene *Yr10* in bread wheat (*Triticum aestivum* L.) genepool", 7. International Bioengineering Congress (BEC 2015), 19-21 November 2015, Izmir, Turkey, Abstract Book p:44 (*Oral Presentation*).
- 25) Mehmet Aydemir, Özge Karakaş Metin, Berk Baştuğ, Yıldız Aydın, Muhammed Şakiroğlu, Erdal Kaya, **Ahu Altinkut Uncuoğlu**. Phylogenetic Analysis of *Colchicum* L. Species with Chloroplast Genome Specific Markers. International Conference on Advances in Agricultural, Biological and Environmental Sciences (AABES-2015), London, UK, Book of Abstracts p:182, July 22-23, (2015), (*Poster*).
- 26) Seren Mete, Ezgi Çabuk Şahin, Yıldız Aydın, Muhammed Şakiroğlu, Erdal Kaya, **Ahu Altinkut Uncuoğlu**. Measurement of Genetic Diversity of Endemic and New Candidate Species belong to Turkey's *Colchicum* L. Flora by Internal Transcribed Spacer Region. International Conference on Advances in Agricultural, Biological and Environmental Sciences (AABES-2015), London, UK, Book of Abstracts p:181, July 22-23, (2015), (*Poster*).
- 27) A Umut Tüyel, Ezgi Çabuk Şahin, Funda Sentürk Akfırat, Yıldız Aydın, Muhammed Şakiroğlu, Erdal Kaya, **Ahu Altinkut Uncuoğlu**. Genome-Wide Association Mapping of Morphological Traits in Inter and Intraspecies of *Colchicum* L. Plant and Animal Genome XXIII, January 10-14, San Diego, CA, USA, Abstract Book p:289, 2015 (*Poster*).
- 28) Veysel Süzerer, Ahmet Onay, Veysi Kızmaz, Nazan Çalar, **Ahu Altinkut Uncuoğlu**, Ahmed

Boukeloua, Ertuğrul İlikçioğlu, Engin Tilkat, Yelda Özden Çiftçi, Ömer Faruk Akdemir, Fatih Mehmet Kılınç and Yusuf Ersalı, 2015. Quantitation of Total Oil Contents, Proteins and Fatty Acids composition in Fruits of Pistacia Species and Their Hybrids Growing in Turkey. May-June 2015, In vitro Biology Meeting of the SIVB, Tucson, Arizona, USA. p:11-12, 2015 (Poster).

- 29) Yusuf Ersalı, Veysel Süzerer, Engin Tilkat, Ahmet Onay, **Ahu Altinkut Uncuoğlu**, Yelda Özden Çiftçi, Fatih Mehmet Kılınç and Hasan Çetin Özen, 2015. Micropropagation of Mature Khinjuk Pistachio, *Pistacia khinjuk* Stocks. May-June 2015, In vitro Biology Meeting of the SIVB, Tucson, Arizona, USA. p:12, 2015 (Poster).
- 30) Aral Kalenderoğlu, Umut Tüyel, Ezgi Çabuk Şahin, Yıldız Aydın, Göksel Evcı, **Ahu Altinkut Uncuoğlu**. Molecular Marker Analysis for Resistance to the Sunflower Downy Mildew *Plasmopara halstedii*, International Mesopotamia Agriculture Congress, 22-25 September, 51, Diyarbakır-Turkey, Abstract Book p:51, 2014 (Oral presentation).
- 31) Alimu Abuduli, Umut Tüyel, Ezgi Çabuk Şahin, Özge Karakaş, Muhammed Şakiroğlu, Yıldız Aydın, Ahmet Onay, **Ahu Altinkut Uncuoğlu**. Characterization of wild Type Mastic Tree (*Pistacia lentiscus* L.) Germplasm at Molecular Level, International Mesopotamia Agriculture Congress, 22-25 September, 51, Diyarbakır-Turkey, Abstract Book p:51, 2014 (Oral presentation).
- 32) Akgül, N., Çabuk, Ş. E., **Uncuoğlu, A. A.**, Evcı, G., Aydın, Y. In vitro Haploid Plant Production in Sunflower (*Helianthus annuus* L). International Mesopotamia Agriculture Congress, 22-25 September, 208-209, Diyarbakır-Turkey, Abstract Book p:208, 2014 (Poster).
- 33) **Ahu Altinkut Uncuoğlu**, Yıldız Aydın, Metin Tuna, Neriman Özhatay, Erdal Kaya. Sustainable Collection and Characterization of *Colchicum* L. Species in the Flora of Turkey for Ethnobotanical Purposes. 4th International Meeting on Pharmacy & Pharmaceutical Sciences (IMPPS-4), Istanbul, Turkey, September 18-21, 2014, (Oral presentation).
- 34) Ezgi Cabuk Sahin, Yildiz Aydin, Erdal Kaya, **Ahu Altinkut Uncuoğlu**. Assessment of biodiversity of *Colchicum* L. Belong to Turkish Flora by DNA barcoding. Agribalkan, Balkan Agricultural Congress, Edirne, Turkey, Book of Abstracts p:117, September 8-11, 2014, (Oral presentation).
- 35) **Ahu Altinkut Uncuoğlu**, Umut Tüyel, Funda Senturk Akfirat, Yildiz Aydin, Ozge Karakas Metin, Muhammet Sakiroglu, Metin Tuna, İlker Nizam, Erdal Kaya. Genetic Diversity and Association Mapping Studies in *Colchicum* L. International Conference on Enhanced Genepool Utilization- Capturing Wild Relative and Landrace Diversity for Crop Improvement, Cambridge, United Kingdom, Book of Abstracts p: 110, 16-20 June 2014, (Poster).
- 36) V.Süzerer, A. Onay, F. Kılınç, Y. Özden Çiftçi, **A. Altinkut Uncuoğlu**, H. Akdemir, E. Tilkat, N. Çağlar, H. Akdemir. In vitro micrografting of Mastic Tree, *P. lentiscus* L. 2014 World Forum on Biology, Savannah, Georgia, USA. In Vitro Cellular and Developmental Biology, Volume 50, Issue of abstract p: S63, May 31- June 04, 2014, (Poster).
- 37) V.Süzerer, O.Karakaş Metin, İ. Koç, A. Onay, F. Kılınç, Y. Özden Çiftçi, **A.Altinkut Uncuoğlu**, Ö. Akdemir, N. Çağlar, E. Tilkat, H. Akdemir. Assessment of Clonal Fidelity Between Selected Lentisk (*P. Lentiscus* L.) Genotypes by IRAP and fluorescent based AFLP. 2014 World Forum on Biology, Savannah, Georgia, USA. In Vitro Cellular and Developmental Biology, Volume 50, Issue of abstract p: S63, May 31- June 04, 2014, (Poster).
- 38) Ezgi Cabuk Sahin, Yildiz Aydin, Muhammet Sakiroglu, Erdal Kaya, **Ahu Altinkut Uncuoğlu**.

LEAFY as a Candidate Gene for Association Mapping in *Colchicum* L. International Conference on Enhanced Genepool Utilization- Capturing Wild Relative and Landrace Diversity for Crop Improvement, Cambridge, United Kingdom, Book of Abstracts p: 111, 16-20 June 2014, (Poster).

- 39) T. Taşcıoğlu, Ö. Karakaş Metin, M. Şakiroğlu, Y. Aydın, K. Akan, A. Altinkut Uncuoğlu. Genetic Diversity, Population Structure, Linkage Disequilibrium and Gene Expression Analyses in Winter Type Turkish and Middle-Eastern Bread Wheat (*Triticum aestivum* L.) Populations. 2nd International Wheat Stripe Rust Symposium, İzmir, Turkey, April 28-May 1, (2014), (Poster).
- 40) Mehmet Aydemir, Sandeep K. Verma, Muhammet Sakiroğlu, Yıldız Aydın, Erdal Kaya, Ahu Altinkut Uncuoğlu. Sequencing of Chloroplast *trn-T-L-F* Intron for Phylogenetic Analysis of *Colchicum* Genus from Flora of Turkey. Olomouc Biotech 2013, Plant Biotechnology: Green for Good II, Olomouc, Czech Republic, Book of Abstracts p: 50, June 17-21, (2013), (Oral presentation).
- 41) Umut Tuyel, Sandeep K. Verma, Funda Senturk Akfirat, Muhammet Sakiroğlu, Yıldız Aydın, Erdal Kaya, Ahu Altinkut Uncuoğlu. Determination of Morphological and Molecular Characteristics of *Colchicum* L. Species in the Turkish Flora. Olomouc Biotech 2013, Plant Biotechnology: Green for Good II, Olomouc, Czech Republic, Book of Abstracts p: 45, June 17-21, (2013), (Oral presentation).
- 42) Veysel Süzerer, Ahmet Onay, Özge Karakaş Metin, Hakan Yıldırım, Yelda Ozden Ciftci, Engin Tilkat, Fatih M. Kılınç, **Ahu Altinkut Uncuoğlu**, Nazan Çalar, İbrahim Koç. Micropropagation of Mature Male and Female Lentisk (*Pistacia lentiscus* L.) and Evaluation of Their Genetic Stability using Fluorescent based AFLP Markers. III. International Symposium on Molecular Markers in Horticulture Riva del Garda, Italy, Abstract Book p:47, 25- 27 September (2013), (Oral presentation).
- 43) Ezgi Çabuk Şahin, Yıldız Aydın, Sandeep K. Verma, Muhammet Şakiroğlu, Erdal Kaya, **Ahu Altinkut Uncuoğlu**. Identification of Novel Genes Associated with Morphological Characters in *Colchicum* through a Candidate Gene-based Association Strategy. 7th EPSO Conference, Plants for a Greening Economy, Abstract Book p:300, Porto Heli, Greece, September 1-4, (2013), (Poster).
- 44) I. Koc, H. Akdemir, A. Onay, **Ahu Altinkut Uncuoğlu**, Y. Ciftci Ozden. Determination of Genetic Stability of Medium-term Stored Lentisk Plantlets by AFLP Markers. In Vitro Biology Meeting, Providence, Rhode Island, USA. In Vitro Cellular & Developmental Biology, volume 49, S60, P2026, 15-19 June (2013), (Poster).
- 45) H. Yıldırım, V. Süzerer, A. Onay, Y. Ciftci Ozden, E. Tilkat, İ.Koç, Ö.F. Akdemir, F. M. Kılınç, N. Çalar, **A. Altinkut Uncuoğlu**. An Improved Micropropagation Protocol for *Pistachia lentiscus* L. In Vitro Biology Meeting, Providence, Rhode Island, USA. In Vitro Cellular & Developmental Biology, volume 49, P3015, 15-19 June (2013), (Poster).
- 46) Tulin Tascioglu, Ozge Karakas Metin, Muhammet Şakiroğlu, Yıldız Aydın, Kadir Akan **Ahu Altinkut Uncuoğlu**. Assessing Population Structure and Genetic Diversity in Wheat Gene Pool for Yellow Rust Resistance. 7th EPSO Conference, Plants for a Greening Economy, Abstract Book p:331, Porto Heli, Greece, September 1-4, (2013), (Poster).
- 47) Veysel Süzerer, Fatih M. Kılınç, Ahmet Onay, **Ahu Altinkut Uncuoğlu**, Hakan Yıldırım, Yelda Ozden Ciftci, Engin Tilkat, Özge Karakaş Metin, İbrahim Koç, Nazan Çalar. In vitro Clonal Micropropagation of Lentisk, *Pistacia lentiscus* L. and Evaluation of Genetic Stability via Inter

Retrotransposon Amplified Polymorphism (IRAP) III. International Symposium on Molecular Markers in Horticulture Riva del Garda, Italy, Abstract Book p:96, 25- 27 September (2013), (Poster).

- 48) Aydemir M., Verma S. K., Sakiroglu M., Aydin Y., Kaya E., **Uncuoglu Altinkut A.** Sequencing of *trn-t-l-f* Intron for Phylogenetic Analysis of *Colchicum* Genus from Flora of Turkey. Olomouc Biotech 2013 Plant Biotechnology: Green for Good II, June 17-21, Book of Abstracts p: 50, Czech Republic, (2013), (Oral presentation).
- 49) Tuyel, U., Verma S. K., Akfirat F.S., Sakiroglu M., Aydin Y., Kaya E., **Uncuoglu Altinkut A.** Determination of Morphological and Molecular Characteristics of *Colchicum* L. Species in the Turkish Flora. Olomouc Biotech 2013 Plant Biotechnology: Green for Good II, June 17-21, Book of Abstracts p: 45, Czech Republic, (2013), (Oral presentation).
- 50) **Ahu Altinkut Uncuoglu.** Molecular Breeding and Genetic Aspects of Diversity in Wheat (*Triticum aestivum* L.) for Stripe Rust Resistance. 15th European Congress on Biotechnology, Istanbul, Turkey, New Biotechnology p:s137, 23-26 September (2012), (Poster).
- 51) Funda Şenturk Akfirat, Fahriye Ertugrul, Mehmet Cakir, Semra Hasancebi, Yıldız Aydın, Kadir Akan, Zafer Mert, **Ahu Altinkut Uncuoglu.** Clustering of SSR Markers Located on 2AL for Yellow Rust Resistance in Hexaploid Wheat (*Triticum aestivum* L.). 15th European Congress on Biotechnology, Istanbul, Turkey, New Biotechnology p:s179, 23-26 September (2012), (Poster).
- 52) Tulin Tascioglu, **Ahu Altinkut Uncuoglu,** Ozge Karakas Metin. Structural and Functional Assessments of Wheat (*Triticum aestivum* L.) Gene Pool for Yellow Rust Resistance. 15th European Congress on Biotechnology, Istanbul, Turkey, New Biotechnology p:s140, 23-26 September (2012), (Poster).
- 53) **Ahu Altinkut Uncuoglu,** Yıldız Aydın, Funda Şenturk Akfirat, Metin Tuna, Ilker Nizam, Erdal Kaya, Multidisciplinary Approaches for Identification of *Colchicum* L. Species in the Flora of Turkey, Eurobiotech 2012 Agriculture Symposium, Kayseri, Turkey, 12–14 April (2012), (Poster).
- 54) **Ahu Altinkut Uncuoğlu,** Semra Hasaңebi, Zafer Mert, Urmil Bansal. Relationship Between an EST-SSR Marker “BU099658” and *Yr1* Gene in Wheat. 9th Plant Genomics European Meetings, Istanbul, Abstract Book, p:64, (2011), (Poster).
- 55) Özge Karakaş, Semra Hasaңebi, Fahriye Ertuğrul, Kadir Akan, **Ahu Altinkut Uncuoğlu.** Biotechnological Approaches to Combat with *Puccinia Striiformis* f. sp. *tritici* on Wheat Germplasm. 9th Plant Genomics European Meetings, Istanbul, Abstract Book, p:66, (2011), (Poster).
- 56) F. Ertuğrul, A. Yumurtacı, **A. Altinkut-Uncuoglu.** Use of Expressed Sequence Tag Resources to Reveal Multiplex Quantitative Gene Expression Profiles in Diploid and Polyploid Wheat Genotypes for Salt Stress Tolerance. 2nd International Symposium on Genomics of Plant Genetic Resources. Proceeding Book, Bologna, Italy, p: 82, 24-27 April, (2010), (Oral presentation).
- 57) Aydın, Y., Tok, D., **Altinkut-Uncuoglu, A.** Epigenetic Control of Yellow Rust Resistance in Wheat at Seedling and Adult Plant Stages. 10th Gatersleben Research Conference (GRCX), Germany, p: 64, (2010), (Poster).
- 58) Akfirat, Ş., F. Ertuğrul, F., Aydın, Y., Yumurtacı, A., Hasaңebi, S., Akan, K., Mert, Z., Bolat, N.,

Altinkut-Uncuoglu, A. Development of Molecular Markers Linked to Yellow Rust Resistance in wheat and Marker Screening for Molecular Breeding. 10th Gatersleben Research Conference (GRCX), Germany, p:86, (2010), (Poster).

59) A. Altinkut Uncuoglu, K.Akan, Z. Mert, S. Belen, N. Bolat. Effectiveness of DNA Markers Associated with Yellow Rust Resistance for Diverse Wheat (*Triticum aestivum* L.) Germplasm. Borlaug Global Rust Initiative Technical Workshop, Abstract Book p: 30, May 30-31, St.Petesburg, Russia, (2010), (Poster).

60) A. Altinkut Uncuoglu, Ezgi Cabuk, Aysen Yumurtaci, Yildiz Aydin. Genomic Abundance of Various Simple Sequence Motifs and Conserved Regions among the Wheat Genotypes for “Yr” Resistance Genes. 8th International Wheat Conference. Abstract Book p: 424, June 1-4, St. Petersburg, Russia, (2010), (Poster).

61) Karakas, O., A. Altinkut Uncuoglu. A Comparative Assessment of Genetic Diversity in Wheat using EST-derived Sequences. 8th International Wheat Conference. Abstract Book p: 447, June 1-4, St. Petersburg, Russia, (2010), (Poster).

62) Ayşen Yumurtaci, Yildiz Aydin, Fahriye Ertugrul, Ahu Altinkut Uncuoglu. Variability of Salinity Tolerance Responses among Bread and Durum Wheat at Morphology, Physiology and Transcript Level. 8th International Wheat Conference. Abstract Book p: 482, June 1-4, St. Petersburg, Russia, (2010), (Poster).

63) H. Balta, A. Yumurtaci, K. Akan, Z. Mert, L. Çetin, N. Bolat, A. Altinkut Uncuoglu. Investigations on Tolerant and Susceptible Wheat (*Triticum aestivum* L.) Cultivars for Yellow Rust Disease with AFLP Markers. 2nd International Symposium on Genomics of Plant Genetic Resources. Proceeding Book, Bologna, Italy, p: 203, 24-27 April, (2010), (Poster).

64) S. Hasançebi, L. Çetin, K. Akan, Z. Mert, N. Bolat, S. Belen, A. Altinkut Uncuoglu. An Assessment of EST-SSR Markers for Yellow Rust Disease Resistance on Turkish Bread Wheat Genotypes. 2nd International Symposium on Genomics of Plant Genetic Resources. Proceeding Book, Bologna, Italy, p: 208, 24-27 April, (2010), (Poster).

65) O. Karakaş, F. Ertuğrul, S. Hasançebi, K. Akan, N. Bolat, Ahu Altinkut Uncuoğlu. Defence Related Multiplex Gene Expression in Wheat in Response to Interaction with *Puccinia striiformis*. 2nd International Symposium on Genomics of Plant Genetic Resources. Proceeding Book, Bologna, Italy, p: 209, 24-27 April, (2010), (Poster).

66) D. Sevinç, N. Bolat, Ahu Altinkut Uncuoğlu. Genetic Diversity of Winter Wheat (*Triticum aestivum* L.). Germplasm for Resistance to Yellow Rust. 2nd International Symposium on Genomics of Plant Genetic Resources. Proceeding Book, Bologna, Italy, p: 216, 24-27 April, (2010), (Poster).

67) D. Tok, F. Senturk Akfirat, Y. Aydin, N. Bolat. Ahu Altinkut Uncuoğlu. DNA Methylation Pattern in Turkish Bread Wheat (*Triticum aestivum* L.) Genotypes with CRED-RA Analysis. 2nd International Symposium on Genomics of Plant Genetic Resources. Proceeding Book, Bologna, Italy, p: 218, 24-27 April, (2010), (Poster).

68) A. Altinkut Uncuoglu, F. Ş. Akfirat, Y. Aydin, S. Hasançebi, F. Ertuğrul, K. Akan, Z. Mert, L. Çetin, S. Belen, N. Bolat. Identification and Potential Use of DNA markers for Yellow Rust Disease Resistance in Wheat (*Triticum aestivum*). 12th International Cereal Rust and Powdery Mildews Conference (ICRPMC), Proceeding Book p: 28, 13-16 October, Antalya, (2009), (Oral presentation).

- 69)** Y. Aydin, E. Çabuk, Z. Mert, K. Akan, N. Bolat, M.Çakmak, **A. Altinkut Uncuoglu**. Investigations on Yellow Rust Disease Resistance by Useful Genes and Markers in Gene-Rich Regionson Wheat Chromosomes. 6th International Triticeae Symposium. Kyoto, Japan, May 31-June 5, (2009), (*Poster*).
- 70)** I. Yumurtaci, F. Ertugrul, **A. Altinkut Uncuoglu**. Identification and Characterization of Novel Gene Candidates Expressed under Salt Stress in *Aegilops tauschii*. International Wheat Quality Conference IV.Saskatchewan, Canada, June2-6, (2009), (*Poster*).
- 71)** O. Karakas, S. Hasancebi, F. Ertugrul, **A. Altinkut Uncuoglu**. EST-Based Multiplex Gene Expression in Yellow Rust Infected Wheat using GenomeLab GeXP Genetic Analysis System. 12th International Cereal Rust and Powdery Mildews Conference (ICRPMC), Proceeding Book p: 23, 13-16 October, Antalya, (2009), (*Oral presentation*).
- 72)** I. Yumurtaci, Y.Aydin, F.Ertugrul, **A.Altinkut Uncuoglu**. Differential Responses to Salt Stress: A Comparison Using Morphological, Cytological and Molecular Profiling in Bread and Durum Wheat. International Conference on Plants & Environmental Pollution (ICPEP), Environmental Biotechnology Session, Proceeding Book p:51, 6-11 July, Erciyes Üniversitesi, Kayseri, (2009), (*Oral presentation*).
- 73)** I. Yumurtaci, Fahriye Ertugrul, Funda Senturk Akfırat, Semra Hasancebi, Yildiz Aydin, Ismail Cakmak, **A. Altinkut Uncuoglu**. Use of cDNA-AFLP for the Identification of D-Genome Specific Genes Expressed under Salt Stress in Turkish Wheat Cultivars, *Bosphorus 2008 ICC International Conference*, April 24-26, p:109, Istanbul, Turkey, (2008), (*Oral presentation*).
- 74)** **Altinkut Uncuoğlu, A.**, Ercan, S., Aydın, Y., Ertuğrul, F., Akfırat, F., Hasançebi, S., Çetin, L., Albustan, S., Mert, Z., Akan, K., Düşünceli, F., Bolat, N., Yorgancılar, Ö., Belen, S., Çakmak, M. An EST-SSR Marker for Yellow Rust Resistance at Seedling and Adult Plant Stage in Turkish Bread Wheat (*Triticum aestivum* L.) Genotypes. XVI. Congress of The Federation of European Societies of Plant Biology (FESPB), 17-22 August, Tampere, Finland, (2008), (*Poster*).
- 75)** Ertuğrul, F., Şenturk-Akfırat F., Aydın, Y., Hasancebi, S., Yumurtacı, A., Çetin, L., Albustan, S., Mert, Z. Akan, K., Düşünceli, F., Bolat, N., M., Çakmak, Belen, Ş., Yorgancılar, O., Özdemir, E., **Altinkut-Uncuoğlu, A.** Search for Molecular Markers Associated with Yellow Rust Resistance in Turkish Bread Wheat Genotypes. 33rd FEBS Congress, June 28- July 03, Athens- Greece. The FEBS Journal, Vol 275, Supplement 1, p: 365, (2008), (*Poster*).
- 76)** Ertugrul, F., Aydin, Y., Yumurtaci, A., Cakmak, I., **Altinkut Uncuoğlu A.** EST-Based Analysis of Salt Stress-induced Gene Expression in Turkish Bread and Durum Wheat Cultivars. The 14th International European Wheat Aneuploid Co-operative Conference, 6-10 May, 2007, Istanbul. European Wheat Aneuploid Co-operative Newsletter, p: 113-115, (2008), (*Poster*).
- 77)** **Altinkut Uncuoğlu A.**, Yumurtaci A. Developmental Responses to Salinity in Bread and Durum Wheat Roots. 6th European Cytogenetics Conference, 7-10 July, 2007, Istanbul. Chromosome Research, Vol 15, Number 1, p: 270-271, (2007), (*Poster*).
- 78)** Gozukirmizi, N. **Altinkut Uncuoğlu A.** Barley Chromosomes as a Tool for Mutation, Tissue Culture and Gene Localization Studies. 6th European Cytogenetics Conference, 7-10 July, 2007, Istanbul. Chromosome Research, Vol 15, Number 1, p: 269-270, (2007), (*Poster*).
- 79)** Gozukirmizi, N., Temel, A., Senturk-Akfırat, F., Ertugrul, F., Yumurtaci, A., Aydin, Y., Talas-Ogras, T., Bolat, N., Yorgancılar, O., Belen, S., Yildirim, M., Cakmak, M., Ozdemir, E., Cetin, L., Mert Z., Sipahi, H., Albustan, S., Akan, K., Dusunceli, F., **Altinkut-Uncuoglu A.** Screening

of *Yr10* Wheat (*Triticum aestivum* L.) Yellow Rust (*Puccinia striiformis*) Resistance Gene in Bread Wheat Cultivars. 7th International Symposium in the Series Recent Advances in Plant Biotechnology: Impact on High Quality Plant Production. June 10-16, p: 132, High Tatras, Slovak Republic, (2007), (*Oral presentation*).

80) Altinkut, A., Yumurtaci, A., Aydin, Y., Cakmak, I., Unal, M., Yesil, E., Budak, H. Data Mining of ESTs for Genetic Improvement of Salt Tolerance in Wheat. The International Conference on Bioinformatics and Computational Biology. Proceeding Book, p. 177-124, 26-29 June, Las Vegas, Nevada, USA, (2006), (*Oral presentation*).

81) Altinkut, A., Yumurtaci, A., Aydin, Y., Budak, H., Unal, M., Cakmak, I. Towards Understanding The Genetic Basis of Salt Stress in Wheat. XV. FESPB Congress Federation of European Societies of Plant Biology, 17-21 July, Lyon, France. Book of Abstracts, p: 181, (2006), (*Poster*).

82) Gozukirmizi, N., Aydin, Y., **Altinkut, A.**, Ismailoglu, I., Talas-Ogras, T. Cytohistology and Medea Gene Expression during Cotton Somatic Embryogenesis with Brassinosteroid Application. XV. FESPB Congress Federation of European Societies of Plant Biology, 17-21 July, Lyon, France. Book of Abstracts, p: 96, (2006), (*Poster*).

83) Altinkut, A., Distelfeld, A., Weining S., Fahima, T., Nevo, E. Cloning and Characterization of *WAX2* Gene in Wild Barley, *Hordeum spontaneum*. 31st FEBS Congress. 24-29 June, İstanbul, Turkey. The FEBS Journal Vol 273, Supplement 1, p.316, (2006), (*Poster*).

84) Altinkut, A., Raskina, O., Nevo, E, and Belyayev A. Activator (*Ac*) transposons in populations of wild diploid Triticeae species: comparative analysis of chromosomal distribution. 8th Gatersleben Research Conference, "Genetic Diversity & Genome Dynamics in Plants". June 3rd-6th, Chateau Meisdorf/Harz and IPK Gatersleben, Germany. Abstract Book, p: 77, (2005), (*Poster*).

85) Altinkut, A., Weining, S., Distelfeld, A., Nevo, E. Sequencing, Annotation and Transcriptional Analysis of Molybdenum Cofactor Sulfurase Gene from Wild Barley *Hordeum spontaneum*. 9th International Barley Genomics Symposium, Brno Trade Fairs, Brno, Czech Republic, 20-26 June Czech Journal of Genetics&Plant Breeding Book of Abstracts. Vol 40, Special issue, p: 165, (2004), (*Poster*).

86) Altinkut, A., Raskina, O., Nevo, E., Belyayev, A. En/ Spm-like Transposons in Wild Triticeae Species: Preference to a Certain Chromosomal Regions. The 15th International Chromosome Conference, Brunel University, West London, U.K., 5th-10th September. Chromosome Research, Vol 12, Supplement 1, p: 73, (2004), (*Poster*).

87) Altinkut, A., Weining, S., Nevo, E. Molecular Cloning and Characterization of Abscisic Acid Genes in Wild Barley (*Hordeum spontaneum*). Plant & Animal Genome XII, San Diego California, USA, January 10-14, 2004, p: 188, (2004), (*Poster*).

88) Altinkut, A., Ipekci, Z., Gozukirmizi, N. Morphological, Physiological and Molecular Markers Associated with Water Stress Tolerance in Wheat and Barley. 1st Eurasian Congress on Molecular Biotechnology, Karadeniz Technical University, Trabzon-Turkey, October 17-20, p.23-27, (2001), (*Oral presentation*).

89) Lapitan., N.L.V., Stephens, J.L., Brown, S.E., **Altinkut, A.**, Knudson, D.L. Integration of the Genetic and Physical Maps of Barley and Wheat Based on FISH with cDNAs and BACs. Plant & Animal Genome IX, San Diego California, USA, January 13-17, p: 48, (2001), (*Oral*

presentation).

- 90) Ozudogru, E.A., Y. Özden, **Altinkut A.**, Gozukirmizi, N., Akcin, A. Estimation of Drought Tolerance and Polymorphism among Segregating F₂ Populations of Barley and Wheat via RAPD Markers. Proceedings of the 1st Eurasian Congress on Molecular Biotechnology. Trabzon, Turkey, October 17-20, p. 235-239, (2001), (Oral presentation).
- 91) **Altinkut, A.**, Kazan, K, Ipekci, Z, Gozukirmizi, N. Morphological and Physiological Marker Traits Associated with Water Deficit in Barley Second Balkan Botanical Congress, Istanbul, Turkey, May 14-18, pp. 167-172, (2000), (Oral presentation).
- 92) **Altinkut A.**, Y. Ozden, E.A. Ozudogru, N. Gozukirmizi. Towards Identification of Drought Related Molecular Markers in Wheat via Bulk Segregant Analysis, Second Balkan Botanical Congress, Istanbul, Turkey, May 14-18, pp.173-181, (2000), (Oral presentation).
- 93) Ipekci, Z, **Altinkut, A.**, Bajrovic, K., Kazan, K., Gozukirmizi, N. High Frequency Plant Regeneration from Nodes of *Paulownia elongata*. Second Balkan Botanical Congress, Istanbul, Turkey, May 14-18, pp 287-291, (2000), (Oral presentation).
- 94) Ipekci, Z., Ogras, T., **Altinkut, A.**, Bajrovic, K., Kazan, K, Gozukirmizi, N., Boydak, M., Tank, T., Akalp, T., Ozden, O., Calikoglu, M., Tunctaner, K., Tulukcu, M., Balkan, H., Tanriyar, H. Reduced Leaf Peroxidase Activity is Associated with Reduced Lignin Content in Transgenic Poplar. International Training Course on Techniques for the Study of Functional Genomics, Santiago-Chile, June 19-July 1, (2000), (Oral presentation).
- 95) Ozudogru, E.A., Ozden, Y., **Altinkut A.**, Gozukirmizi N., Akcin, A. Use of RAPD Markers in Barley. Second Balkan Botanical Congress, Istanbul, Turkey, May 14-18, pp 357-361, (2000), (Oral presentation).
- 96) Ozden, Y., Ozudogru, E.A., **Altinkut A.**, Gozukirmizi. N., Akcin, A. Study of DNA Fingerprinting in Wheat (*Triticum aestivum* L.). Second Balkan Botanical Congress, Istanbul, Turkey, May 14-18, pp 347-352, (2000), (Oral presentation).
- 97) Bajrovic, K., Ipekci, Z, Ozturk, N, Ogras, T.T, **Altinkut, A.**, Kazan, K, Gozukirmizi, N, Boydak, M, Tank, T, Akalp, A, Ozden, O, Calikoglu, M, Tunctaner, K, Tulukcu, M, Balkan, H, Tanriyar H. Transformation of Poplar Hybrid Clones (*Populus deltoides* x *Populus deltoides*) with Two Gene Involved in Lignin Biosynthesis, pOMT8 and Shpx6 pp. 188 Second Balkan Botanical Congress, Istanbul, Turkey, May 14-18, pp 211-216, (2000), (Oral presentation).
- 98) **Altinkut A.**, Turet M., Gozukirmizi, N. Assessment of F₁ Hybrids in Different Wheat and Barley Lines using RAPD's. In Progress in Botanical Research edited by I.Tsekos and M. Moustakas, Kluwer Academic Publishers, Dordercht, The Netherlands, p: 453-456, (1998), (Oral presentation).
- 99) **Altinkut A.**, Turet M., Ipekci Z., Gozukirmizi N. Morphological, Physiological and Molecular Parameters Associated With Drought Tolerance in Wheat and Barley. Drought Resistance in Crop Plants, ICGEB, Workshop, Varna, Bulgaria. September 12-15, (1998), (Poster).

Proceedings in National Conferences

- 1) Aslıhan Çetinbaş Genç, Elif Kılıç, Fatma Yanık, Filiz Vardar, **Ahu Altinkut Uncuoğlu**, Yıldız Aydın. Biochemical and Genotoxic Analysis of Aluminum toxicity on Sunflower (*Helianthus annuus* L.). 4th National Botanical Congress. July 6-9, Afyon, 2017, (Poster).

- 2) **Ahu Altinkut Uncuoğlu**, Umut Tüyel, Yıldız Aydın, Funda Şentürk Akfırat, Ezgi Çabuk Şahin, Erdal Kaya. Phylogenetic Analysis and Genome-wide Association Mapping of Colchicum Genus Belong to Turkey's Flora. 18th National Biotechnology Congress, December 18-19, Konya, Proceeding Book, p:184, 2015, (*Oral presentation*).
- 3) Yıldız Aydın, Nilüfer Akgül, **Ahu Altinkut Uncuoğlu**, Filiz Vardar, Mehmet İbrahim Yılmaz, Göksel Evcı. Obtaining Resistant Sunflower Genotypes for Broomrape and Herbicide by In Vitro Anther Culture. 18th National Biotechnology Congress, December 18-19, Konya, Proceeding Book, p:246, 2015, (*Poster*).
- 4) Ahmet Onay, Fatih Mehmet Kılınc, Veysel Süzerer, Yelda Özden Çiftçi, Engin Tilkat, **Ahu Altinkut Uncuoğlu**, Yusuf Ersalı, Nazan Çalar, Ömer Faruk Akdemir. Micropropagation of *Pistacia* Species. 22.National Biology Congress, June 23-27 Eskişehir. Proceeding Book, B-Biotechnology, B-P2-2, 2014, (*Poster*).
- 5) Engin Tilkat, Ahmet Onay, Yusuf Ersalı, Zeynep Ekinci, Ayşe Hoşer, Alevcan Kaplan, Hakan Yıldırım, Fatih Mehmet Kılınc, Veysel Süzerer, Hülya Akdemir, Yelda Özden Çiftçi, **Ahu Altinkut Uncuoğlu**, Ömer Faruk Akdemir. Mass Reproduction of Axigenic Sprouts Regenerated from Mature Buttum (*Pistacia khinjuk* Stocks) Trees Using Temporary Immersion Bioreactor System (TIS). 22.National Biology Congress, June 23-27 Eskişehir. Proceeding Book, B-Biotechnology, B-P2-23, 2014, (*Poster*).
- 6) Fatih Mehmet Kılınc, Veysel Süzerer, Ahmet Onay, Yelda Özden Çiftçi, Engin Tilkat, **Ahu Altinkut Uncuoğlu**, İbrahim Koç, Ömer Faruk Akdemir, Yusuf Ersalı, Nazan Çalar. The Importance of Clonal Activation in In Vitro Microbial Population of the Gum Tree (*Pistacia lentiscus* L. 22.National Biology Congress, June 23-27 Eskişehir. Proceeding Book, B-Biotechnology, P-B2-29, 2014, (*Poster*).
- 7) **Altinkut Uncuoğlu A.** Biotechnological Approaches towards Biotic and Abiotic Stress Tolerance in Wheat. XVI. National Biotechnology Congress, Proceeding Book, p:82-84, December 13-16, Antalya, (2009), (*Oral presentation*).
- 8) Ertugrul, F., Yumurtacı, A., **Altinkut Uncuoğlu A.** Determination of Multiple Expression Profiles of Genes Associated with Salt Stress Resistance in Wheat Using Fluorescent-Based Capillary Electrophoresis System. XVI. National Biotechnology Congress, Proceeding Book, p: 118-121, December 13-16, Antalya, (2009), (*Oral presentation*).
- 9) Semra Hasancebi, L.Çetin, K. Akan, Z. Mert, N. Bolat, M.Çakmak, **Altinkut Uncuoğlu, A.** RGAP Analysis in Some Winter Wheat Genotypes, Turkey VIII Congress of Crop Field. Proceeding Book, p: 793-795, October 19-22, Antalya, (2009), (*Oral presentation*).
- 10) Tok, D., Şentürk-Akfırat, F., Aydın, Y., Akan, K., Mert, Z., Bolat, N., **Altinkut Uncuoğlu, A.** Investigation of DNA Methylation Polymorphism in Yellow Rust Disease Tolerant and Sensitive Wheat (*Triticum aestivum* L.) Varieties. Turkey VIII Congress of Crop Field. Proceeding Book, p: 32, October 19-22, Antalya, (2009), (*Poster*).
- 11) Sevinç D., H. Balta, Akan, K., Mert, Z., Çetin, L., Bolat, N., Yorgancılar, Ö., **Altinkut Uncuoğlu, A.** Investigation of Durability to Yellow Rust Disease in Wheat (*Triticum aestivum* L.) Using Different Types of Molecular Markers. XVI. National Biotechnology Congress, Proceeding Book, p: 5-6, December 13-16, Antalya, (2009), (*Poster*).
- 12) Karakaş, Ö., Hasancebi, S., Yumurtacı, A., Ertugrul, F., Aydın, Y., Akfırat, Ş.F., Çetin, L., Albustan, S., Mert, Z., Akan, K., Düşünceli, F., Bolat, N., Çakmak, M., Belen, S., Yorgancılar, Ö., Özdemir, E., **Altinkut-Uncuoğlu A.** Investigation of Dust Disease Resistance in Wheat

(*Triticum aestivum* L.) Using EST Databases. 19th National Biology Congress, Proceeding Book, p: 159-160, June 23-27, Karadeniz Technical University, Trabzon, (2008), (Oral presentation).

- 13) Karakaş, Ö., Yumurtacı, A., Hasaңebi, S., **Altinkut-Uncuođlu A.** Identification of New Genes in Plant Disease Resistance: Use of EST ("Expressed Sequence Tags") Databases. IV. National Bioengineering Congress. Proceeding Book, p: 130-131, October 15-18, İzmir, (2008), (Poster).
- 14) Ercan, S., Aydın, Y., Yumurtacı, A., Akfırat, Ş.F., Hasaңebi, S., Ertuđrul, F., Çetin, L., Albustan, S., Mert, Z., Akan, K., Düşünceli, F., Bolat, N., Çakmak, M., Belen, S., Yorgancılar, Ö., Özdemir, E., **Altinkut-Uncuođlu A.** Determination of Resistant Genotypes with EST-SSR and ISSR Markers in the Challenge of Yellow Rust in Bread Wheat (*Triticum aestivum* L.) Varieties. 19th National Biology Congress, Proceeding Book, p: 370-371. June 23-27, Karadeniz Technical University, Trabzon, (2008), (Poster).
- 15) Temel, A., Şenturk Akfırat F., Ertuđrul, F., Yumurtacı, A., Aydın, Y., Talas Oğras, T., Gözükırmızı, N., Bolat, N., Yorgancılar, Ö., Belen, Ş., Yıldırım, M., Çakmak, M., Özdemir, E., Çetin, L., Mert, Z., Sipahi, H., Albustan, S., Akan, K., Düşünceli, F., **Altinkut Uncuođlu, A.** Scanning of Yellow Rust Resistance Gene "Yr10" in Winter Type Bread Wheat (*Triticum aestivum* L.). Turkey VII Congress of Crop Field. Proceeding Book, p: 375-378, June 25-27, Erzurum, (2007), (Oral presentation).
- 16) Alp, U.S., Şenturk-Akfırat F., Ertuđrul, F., Yumurtacı, A., Aydın, Y., Talas-Oğras, T., Gözükırmızı, N., Bolat, N., Yorgancılar, Ö., Belen, Ş., Yıldırım, M., Çakmak, M., Özdemir, E., Çetin, L., Mert, Z., Sipahi, H., Albustan, S., Akan, K., Düşünceli, F., **Altinkut Uncuođlu, A.** Investigation of "Yr5" Yellow rust (*Puccinia striiformis*) Resistant Genotypes by Molecular Markers in Winter Bread Wheat (*Triticum aestivum* L.) Varieties. Turkey VII Congress of Crop Field, Proceeding Book, p: 412-415, June 25-27, Erzurum, (2007), (Oral presentation).
- 17) İpekçi, Z., **A. Altinkut**, T. Ođraş ve N. Gözükırmızı. Methods Used to Identify Genetically Modified Plant and Foods. Workshop on Food Safety and Health Risks. Proceeding Book, p: 21, S. Demirel University., Faculty of Agriculture, Department of Food Engineering, October 20-22, Isparta, (2003), (Oral presentation).
- 18) Bajrovic, K., Ipekci Z., Oğras, T., **Altinkut A.**, Ozturk, N., Gozukirmizi, N., Transformation Studies in Hybrid Poplar (*Populus deltoides* x *Populus deltoides*) and Shimmering Poplar (*Populus tremula*) Clones 12. Biotechnology Congress, Ayvalık, Balıkesir, September 17-21, Proceeding Book, p: 82-85, (2001), (Oral presentation).
- 19) **Altinkut A.**, Ipekci Z., Turet M., Gozukirmizi N. Selection of Drought Resistant Genotypes in Barley and Wheat by Physiological and Genetic Parameters. Basis of Physiology of Plant Stress at Molecular Level, Ege University, EBILTEM, June 22-26, Bornova/İzmir, Turkey, Proceeding Book, p: 155-168. (1998), (Oral presentation).
- 20) **Altinkut A.**, Sahin S., Albayrak G., Gozukirmizi N. Genetic Analysis on the Transgenic Chickpea Plants) XIII. National Biology Congress, September 17-20, Section for Biotechnology, Microbiology, Molecular Biology and Genetics, Proceeding Book, p: 46-55, (1996), (Oral presentation).
- 21) Sahin S., **Altinkut A.**, Ş. Arı. Genetic Analyzes of Tobacco (*Nicotiana tabacum* L.) in T-DNA Insertion Mutants XIII. National Biology Congress, September 17-20, Section for Biotechnology, Microbiology, Molecular Biology and Genetics, Proceeding Book, p: 36-45, (1996), (Oral presentation).

- 22) **Altinkut A.**, Sahin S., Bajrovic K., Gozukirmizi N. Establishment of Tissue Cultures and Gene Transfer Studies in Chickpea (*Cicer arietinum* L.). Biotechnology and Plant Breeding Workshop, 17-19 April, Gebze/Kocaeli, Turkey, Proceeding Book, p: 195-198, (1995), (*Oral presentation*).

Other Publications

- 1) **Ahu Altinkut Uncuoğlu**. Plant Bioediversity and Plant Gene Resources in Turkey. *Science and Technique Magazine (Bilim ve Teknik Dergisi)*, p: 46-49, November issue, (2010).
- 2) **Ahu Altinkut Uncuoğlu**. Resilience in the Face of Stress. Young Women in Science. In partnership with For Women in Science. Loreal Foundation. *Science AAAS*, p: 34-35, (2009).
- 3) **Ahu Altinkut Uncuoğlu**. Development of Molecular Markers for Resistance to Yellow Rust Disease in Wheat, *Science and Technique Magazine (Bilim ve Teknik Dergisi)*, p: 9-10, January issue, (2008).
- 4) Boydak, M., K Tunçtaner, T. Tank, T. Akalp, Ö. Özden, T. Tulukçu, H. Balkan, H. Tanrıyar, M. Çalıkoğlu, K. Bajroviç, T. Oğraş, **A. Altinkut**, Z. İpekçi ve N. Gözükırmızı. Investigation and Investigation of Kavak Clones Improved by Biogenetics of Paper Raw Material Properties. *Seka Paper Magazine (Seka Kağıtçılık Dergisi)*, 57, p: 11-14, (1997).

SUPERVISION of UNDERGRADUATE AND GRADUATE STUDENTS, POST-DOCTORAL FELLOWS, VISITING SCIENTISTS

MSc Theses

- 1) *Nilay Yönet*, MSc, (2017). Molecular Characterisation of Sunflower Broomrape (*Orobancha cumana* Wallr.) Germplasm. Marmara University, Science Institute, Department of Bioengineering.
- 2) *Elif (Çakmak) Kılıç*, MSc, (2017). Biochemical and Molecular Analysis of Sunflower (*Helianthus annuus* L.) in Response to in vitro Conditions. Marmara University, Science Institute, Department of Bioengineering.
- 3) *Mehmet Aydemir*, MSc, (2015). Phylogenetic Analysis of *Colchicum* L. Species with Chloroplast Genome Specific Markers. Marmara University, Science Institute, Department of Bioengineering.
- 4) *Seren Mete*, MSc, (2015). Identification of *Colchicum* L. Species of Turkey's Flora by Sequence Analysis of nrDNA ITS Region. Marmara University, Science Institute, Department of Bioengineering.
- 5) *Alimu Abuduli*, MSc, (2015). Evaluation of Wild Type Mastic Tree (*Pistacia lentiscus* L.) Germplasm by Molecular Markers. Marmara University, Science Institute, Department of Bioengineering.
- 6) *Tülin Taşçıoğlu*, MSc, (2014). Assessment of Genetic Diversity in Yellow Rust Disease Resistant Wheat (*Triticum aestivum* L.) Genepool and Gene Expression Analyses. Marmara University, Science Institute, Department of Bioengineering.
- 7) *Handan Balta*, MSc, (2014). Searching for Yellow Rust Resistance in Wheat (*Triticum aestivum*

L.) by Amplified Fragment Length Polymorphism. Istanbul University, Science Institute, Department of Biology.

- 8) *Dilek Tok*, MSc, (2010). Investigation of DNA Methylation Polymorphism in Various Types of Yellow Rust Disease Resistant and Sensitive Bread Wheat (*Triticum aestivum* L.). Marmara University, Science Institute, Department of Biology
- 9) *Duygu Sevinç*, MSc, (2010). Investigation of Yellow Rust Disease Resistant and Sensitive Wheat (*Triticum aestivum* L.) Varieties with Molecular Markers. Istanbul University, Science Institute, Department of Biology.
- 10) *Ezgi Çabuk Şahin*, MSc, (2009). Investigation of Resistant and Susceptible Wheat (*Triticum aestivum* L.) Species for Yellow Rust with Molecular Markers in Gene-Rich Areas. Marmara University, Science Institute, Department of Biology.
- 11) *Seval Ercan*, MSc, (2008). Investigation of Resistance against Yellow Rust (*Puccinia striiformis f. Tritici*) Disease in Some Winter Bread Wheat (*Triticum aestivum* L.) Varieties by Molecular Markers. Marmara University Science Institute, Department of Biology.

PhD Theses

- 1) *Ezgi Çabuk Şahin*, PhD, (2016). Identification of Colchicum Genus Distributed in Turkey by DNA Barcoding System. Marmara University, Science Institute, Biology, Department of Biology.
- 2) *Abdurrahman Umut Tüyel*, PhD, (2015). Molecular Characterisation and Association Mapping with Morphological Data of *Colchicum* L. Species in the Flora of Turkey, Marmara University. Science Institute, Department of Bioengineering.
- 3) *Özge Karakaş*, PhD, (2010). Investigation of Resistance to Yellow Rust Disease in Winter Bread Wheat (*Triticum aestivum* L.) by Biotechnological Methods. Istanbul University, Science Institute, Department of Molecular Biology and Genetics.
- 4) *Ayşen Yumurtacı*, PhD, (2009). Determination of New Genes Providing Salt Stress Resistance in *Aegilops tauschii* by cDNA AFLP Method. Marmara University, Science Institute, Department of Biology.

Graduation Theses

- 1) *Kevser Kösoğlu, Sevcan Yumuk*, (2017). Identification of SNP Markers Related with Downy Mildew Resistance Genes in sunflowers and KASP Assay Optimization, (with the support of **TUBITAK BİDEB 2241 A** (2209 B) Industry Oriented Undergraduate Thesis Support Program).
- 2) *Melike Özder, Övgü Sesal*, (2016). Characterisation of Pistacia Genus with Molecular Markers.
- 3) *Büşra İpek Tekin, Bülent Mustafa Faytın, Deniz Tonyalı*, (2016). Molecular Characterization of Colchicum Species by Sequence Analysis of nrDNA ITS Regions.
- 4) *Nilay Yönet, Ceren Pekşen*, (2015). Structural and Functional Analysis of Moco Sulfurase Gene Under Various Stress Conditions in Barley Plants, (with the support of **TUBITAK BİDEB 2209 A** University Student Support Program for Domestic-Overseas Research Projects).
- 5) *Kamer Dinç, Cemre Günay, Ezgi Özşarık* (2015). Structural and Functional Analysis of Yellow

Rust Resistance Gene *Yr10* in Wheat Gene Pool, (with the support of **TUBITAK BIDEB 2209 A** University Student Support Program for Domestic-Overseas Research Projects).

6) *Aral Kalenderoğlu*, (2014). Determination of Resistance to Downy Mildew in Sunflower (*Helianthus annuus* L.) by Marker Assisted Selection (with the support of **TUBITAK BIDEB 2241 A** Industry Oriented Undergraduate Thesis Support Program).

Post-Doctoral Researchers and Visiting Scientists

- 1) *Dr. Sana Ziadi*: Identification of Race Composition of Sunflower Broomrape (*Orobanche cumana* Wallr.) in the Thrace Region of Turkey, (with the support of TUBITAK BIDEB 2216 Research Fellowship Program For International Researchers) during **January 04, 2016- January 04, 2017** as a post-doc in Plant Biotechnology Research Group under the supervision of Prof. Altinkut Uncuoglu.
- 2) *Dr. Ehsan Valiollahi*: Identification of Abiotic-responsive microRNAs in *Solanum lycopersicum* by Stem-loop qPCR, during **October 15, 2014 – January 15, 2015** as a visiting scientist in Plant Biotechnology Research Group under the supervision of Prof. Altinkut Uncuoglu.
- 3) *Dr. Sandeep Kumar Verma*: Identification of Colchicum L. Species in the Flora of Turkey via Nuclear DNA Content, Morphological Parameters and Association Mapping, (with the support of TUBITAK BIDEB 2216 Research Fellowship Program For International Researchers) during **June 12, 2012- June 12, 2013** as a post-doc in Plant Biotechnology Research Group under the supervision of Prof. Altinkut Uncuoglu.

TEACHING RESPONSIBILITIES

Undergraduate Courses:

- General Biology for Engineers (BIOE1011) (2013 - 2014, 2014 - 2015, 2015 -2016, 2016 - 2017, spring)
- Molecular Biology and Genetics for Bieengineers (BIOE2002) (2011-2012 spring, 2012 - 2013, 2013 - 2014, 2014 -2015, 2015 - 2016, 2016 - 2017, spring)
- Recombinant DNA Technology (BIOE4000) (2015 - 2016, 2016 - 2017, fall)
- Career Development (HR113) (2014 - 2015, 2015 - 2016, 2016 - 2017, fall)
- Planning and Management of Research (BIOE4072) (2016 - 2017, fall and spring)
- Special Topics in Bioengineering (BIOE495) (2015 - 2016, 2016 - 2017, fall)
- Microbiology for Engineers (BIOE201) (2011-2012 fall, 2012-2013 fall, 2013-2014 fall)
- Bioengineering Project I (BIOE497.5) (2013-2014, 2014-2015, 2015-2016, 2016-2017 fall)
- Bioengineering Project II (BIOE498.1 2013-2014, 2014-2015, 2015-2016, 2016-2017 spring)
- BIOE495.5 Special Topics in Bioengineering III (2014-2015 fall)

Graduate Courses:

- Agricultural Biotechnology (BIOE8004) (2015-2016 spring, 2016-2017 spring)
- Plant Biodiversity and Genetic Resources (BIOE708) (2012-2013 spring, 2013-2014 fall and spring)
- Structural and Functional Genomics (BIOE891) (2011-2012 fall and spring, 2012-2013 fall,

2015-2016 fall)

- Basic Techniques in Molecular Biology (BIOE7007) (2014-2015 fall, 2015-2016 fall, 2016-2017 fall)
- Recent Advances in Plant Biotechnology (BIOE712) (2011-2012 fall and spring, 2012-2013 fall, 2014-2015 spring)
- Chromosome Biology and Cytogenomics (BIOE7050) (2014-2015 spring, 2015-2016 spring)

INVITED TALKS, COURSES AND WORKSHOPS

November 03-05 2017:	<i>Invited Speaker:</i> "Designing of Projects in RD Studies in Health Sciences". International Meeting on Education and Research in Health Sciences (IMER-HS), Istanbul, Turkey.
March 26-27 2016:	<i>Keynote Speech:</i> "Genetic Diversity and Association Mapping in Plants. International Conference on Agriculture", Ecology and Biological Engineering (AEBE-16), London, United Kingdom.
March 15-16 2016:	<i>Invited Speaker:</i> "Project-Based Work in Plant Biotechnology: Molecular Breeding and Association Mapping". IV. Çukurova Biotechnology Days, Adana, Turkey.
October 8-10 2016:	Expo 2016 Antalya organised under the motto of "A Green Life for Future Generations.
September 21-23 2015:	<i>Keynote Speech:</i> Association Mapping in Plants. International Workshop on "Green Biotechnology", Bayramoğlu Resort Hotel, Darica, Kocaeli, Turkey.
October 25-28 2014:	<i>Invited Speaker:</i> "Advance Technologies and Multi-disciplinary Projects in Plant Science", 1 st National Botanic Conference Antalya, Turkey.
February 27-March 5 2010:	<i>Invited as a Role Model:</i> For Women in Science Week Events organised by UNESCO and L'oreal Foundation. UNESCO Headquarter, Paris, France.
June 3-7 2006:	Second IAASTD Sub-Global (Central/West Asia and North Africa: (CWANA) Authors' Meeting organised by ICARDA and World Bank. Amman, Jordan.
January 28 - 29 2006:	<i>Invited Speaker:</i> "Women in Biotechnology Area: An Example for Finding a Place in Turkey". International Women Conference organised by Turkish Republic Prime Ministry Directorate General on The Status and The Problems of Women, Conrad Otel, Istanbul, Turkey.

November 29 – December 02 2005:	First CWANA Authors Meeting of the Bureau of the International Assessment of Agricultural Science and Technology for Development (IAASTD) organised by World Bank, ICARDA, Aleppo, Syria.
October 25 - 28 2005:	Plant Biotechnology Meeting organised by International Bureau of the Federal Ministry of Education and Research, German Aerospace Center, Bonn, Germany.
April 25-26 2005:	Meeting on Agricultural Research Areas, TUSSIDE, Gebze, Kocaeli, Turkey.
October 03 - 07 2005:	Workshop on Genomics and Marker Assisted Selection (MAS) in Plant Breeding, Ege University, EBILTEM, Turkey.
January 29 2004:	Introduction to Microarray Analysis: Hands-on session in the Feinberg Computer Room, Weizmann Institute of Science, Rehovot, Israel.
February 27 2003:	The Ceremony for The Annual L'oreal-UNESCO Awards and UNESCO–L'oreal Fellowships For Women in Science, UNESCO Headquarter, Paris, France.
February 19 - 22 2001:	International Seminar on “Genetics and Molecular Biology of Stress Tolerance in Plants” TUBITAK, MRC, Gebze-Kocaeli, Turkey.
January 12 - 13 2001:	National Science Foundation Meeting, Town and Country Hotel San Diego, California-USA.
December 3 - 4 2001:	Second Turkish-Israeli Joint Conference on Plant Genetics and Molecular Biology, (Ahu Altinkut and Nora Lapitan, Physical Mapping of RWA Resistance Genes in Wheat and Barley), TUBITAK- MRC, Turkey.
September 12 - 15 1998:	Drought Resistance in Crop Plants, ICGEB, Workshop, Varna, Bulgaria.
June 22 - 26 1998:	Selection of Drought Resistant Genotypes in Barley and Wheat, EUREKA 1322 Workshop, IHAR, Poland.
October 30 - 01 November 1996:	Practical Course Plant Biotechnology II: Gen Transfer in Plants, TUBITAK, MRC, Gebze-Kocaeli, Turkey.
April 12 - 19 1995:	Workshop Biotechnology and Plant Improvement, Tusside Gebze-Kocaeli, Turkey.

EDITORIAL WORKS, SOCIETIES, RESPONSIBILITIES AND MEMBERS

Professional Services

- Editorial Board Member of “The International Journal of Innovative Approaches in Agricultural Research (IJIAAR)” (2017-)
- Scientific Committee Member of Agribalkan 2017 Congress (2017)
- Editorial Board Member of “Turkish Journal of Field Crops” (2013-2017)
- Scientific Committee Member of 1st National Botanic Congress (2014)
- Member of “International Plant Proteomic Organisation” (2011-)
- TUBITAK Basic Sciences Research and Support Group, Board Member (2009-2010)
- Turkey Plant Technologies Platform- Board Member (2007-2009)
- Turkish Biochemistry Association (2005-)
- Turkish Biotechnology Association (1998-)

Scientific & Technical Organisations

- *Member of Organising Committee:* International Green Biotechnology Congress, September 11-13, 2017, Dedeman Bostancı Hotel & Convention Center, Istanbul, TURKEY.
- *Member of Organising Committee:* International Workshop on “Green Biotechnology”, September 21-23, 2015, Bayramoğlu Resort Hotel, Darıca, Kocaeli, TURKEY.
- *Organiser of an Practical Course:* Fluorescent based New Generation Genetic Analysis: A Course on DNA sequencing, Molecular Marker Technologies and Multiplex Gene Expression Analyses, June 15-19, 2009 and June 22-26 2009, TUBITAK, Marmara Research Center, Genetic Engineering and Biotechnology Institute, Kocaeli, TURKEY.