

Assoc. Prof. AYKUT YILMAZ

Personal Information

Email: aykut.yilmaz@usak.edu.tr

Web: <https://avesis.usak.edu.tr/aykut.yilmaz>

International Researcher IDs

ORCID: 0000-0002-0327-8388

Yoksis Researcher ID: 121821

Research Areas

Molecular Biology and Genetics, Plant Molecular Genetics, Genetic Engineering, Cytogenetic, Population Biology

Academic Titles / Tasks

Associate Professor, Usak University, Mühendislik Ve Doğa Bilimleri Fakültesi, Moleküler Biyoloji Ve Genetik Bölümü, 2023 - Continues

Associate Professor, Usak University, İnsan Ve Toplum Bilimleri Fakültesi, Moleküler Biyoloji Ve Genetik Bölümü, 2021 - 2023

Assistant Professor, Usak University, İnsan Ve Toplum Bilimleri Fakültesi, Moleküler Biyoloji Ve Genetik Bölümü, 2012 - 2021

Expert, Hitit University, Fen Edebiyat Fakültesi, Biyoloji, 2009 - 2012

Academic and Administrative Experience

Deputy Head of Department, Usak University, Mühendislik Ve Doğa Bilimleri Fakültesi, Moleküler Biyoloji Ve Genetik Bölümü, 2024 - Continues

Head of Department, Usak University, 2022 - 2024

Usak University, 2019 - 2022

Usak University, 2015 - 2017

Usak University, 2012 - 2015

Usak University, 2012 - 2015

Courses

İLERİ MOLEKÜLER GENETİK, Postgraduate, 2020 - 2021, 2019 - 2020, 2016 - 2017

PROKARYOT GENETİĞİ, Undergraduate, 2020 - 2021, 2015 - 2016, 2014 - 2015, 2013 - 2014

İLERİ PCR YÖNTEMLERİ, Postgraduate, 2020 - 2021, 2019 - 2020

MOLEKÜLER GENETİK I, Undergraduate, 2020 - 2021, 2016 - 2017, 2015 - 2016

İLERİ PCR YÖNTEMLERİ, Postgraduate, 2020 - 2021

PROKARYOTİK VE ÖKARYOTİK GEN REGÜLASYONU, Postgraduate, 2020 - 2021, 2019 - 2020, 2016 - 2017

LİSANS TEZİ I, Undergraduate, 2020 - 2021, 2016 - 2017, 2015 - 2016

MOLEKÜLER GENETİKTE ÖZEL KONULAR, Postgraduate, 2020 - 2021, 2019 - 2020

GENOM ORGANİZASYONU VE YAPISI, Doctorate, 2020 - 2021

GENOM ORGANİZASYONU VE YAPISI, Doctorate, 2020 - 2021, 2019 - 2020
PROKARYOTİK VE ÖKARYOTİK GEN REGÜLASYONU, Postgraduate, 2020 - 2021
LİSANS TEZİ I, Undergraduate, 2020 - 2021
POPULASYON GENETİĞİ, Undergraduate, 2020 - 2021, 2019 - 2020
İLERİ MOLEKÜLER GENETİK, Postgraduate, 2020 - 2021
MOLEKÜLER GENETİK I, Undergraduate, 2020 - 2021
PROKARYOT GENETİĞİ, Undergraduate, 2020 - 2021
MOLEKÜLER GENETİKTE ÖZEL KONULAR, Postgraduate, 2020 - 2021
POPULASYON GENETİĞİ, Undergraduate, 2020 - 2021
MOLEKÜLER BİYOLOJİ VE GENETİKTE GÜNCEL KONULAR II, Undergraduate, 2019 - 2020, 2015 - 2016
KÖK HÜCRE BİYOLOJİSİ, Undergraduate, 2019 - 2020, 2015 - 2016
EPİGENETİK, Undergraduate, 2019 - 2020
SEMİNER, Postgraduate, 2019 - 2020
TRANSKRİPSİYON SONRASI GEN KONTROL MEKANİZMALARI, Doctorate, 2019 - 2020
MOLEKÜLER GENETİK I-II, Undergraduate, 2019 - 2020
LİSANS TEZİ I-II, Undergraduate, 2019 - 2020
REKOMBİNANT DNA TEKNOLOJİSİ, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015
MOLEKÜLER BİYOLOJİ VE GENETİKTE GÜNCEL KONULAR I, Undergraduate, 2016 - 2017, 2015 - 2016
HİSTOLOJİ, Undergraduate, 2015 - 2016
ÖKARYOT GENETİĞİ, Undergraduate, 2015 - 2016, 2014 - 2015
DNA PARMAK İZİ, Undergraduate, 2015 - 2016
HİSTOLOJİ LAB., Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014
LİSANS TEZİ II, Undergraduate, 2015 - 2016
MOLEKÜLER GENETİK II, Undergraduate, 2015 - 2016, 2014 - 2015
MOLEKÜLER BİYOLOJİ II LAB., Undergraduate, 2014 - 2015
MOLEKÜLER BİYOLOJİ II, Undergraduate, 2014 - 2015, 2013 - 2014
GENETİĞİ DEĞİŞTİRİLMİŞ ORGANİZMALAR, Undergraduate, 2014 - 2015
MOLEKÜLER BİYOLOJİ I, Undergraduate, 2014 - 2015, 2013 - 2014
İNSAN GENETİĞİ, Undergraduate, 2014 - 2015
MOLEKÜLER BİYOLOJİ LAB. I, Undergraduate, 2014 - 2015, 2013 - 2014
GENEL BİYOLOJİ LAB. I, Undergraduate, 2013 - 2014
GENEL BİYOLOJİ LAB. II, Undergraduate, 2013 - 2014, 2012 - 2013
LABARATUVAR TEKNİKLERİ, Undergraduate, 2013 - 2014, 2012 - 2013
GENEL BİYOLOJİ II, Undergraduate, 2013 - 2014, 2012 - 2013
MOLEKÜLER BİYOLOJİ LAB. II, Undergraduate, 2013 - 2014

Advising Theses

Yılmaz A., "Trigonella L. (Fabaceae) cinsine ait türlerin DNA barkodlama verilerinin incelenmesi ve filogenetik açıdan değerlendirilmesi", Postgraduate, Y.YELTEKİN(Student), 2022

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Karyomorphology of some *Crocus* L. taxa from Uşak province in Turkey**
YILMAZ A., Yeltekin Y.
Caryologia, vol.74, no.4, pp.129-134, 2021 (SCI-Expanded)
- II. **THE IMPORTANCE IN DNA BARCODING OF THE REGIONS WHICH IS COVERING rRNA GENES AND ITS SEQUENCES IN THE GENUS QUERCUS L.**
Yılmaz A.

BANGLADESH JOURNAL OF PLANT TAXONOMY, vol.27, no.2, pp.261-271, 2020 (SCI-Expanded)

- III. **Karyomorphology of some Quercus L. species from section Quercus and Cerris in Turkey**
YILMAZ A.
Caryologia, vol.71, no.3, pp.210-216, 2018 (SCI-Expanded)
- IV. **Cytotaxonomic study of Quercus L. species from Section Quercus in Turkey**
YILMAZ A.
Caryologia, vol.70, no.2, pp.141-146, 2017 (SCI-Expanded)
- V. **Morphological variability of evergreen oaks (quercus) in Turkey**
Aykut Y., Emel U., Tekin B. M.
Bangladesh Journal of Plant Taxonomy, vol.24, no.1, pp.39-47, 2017 (SCI-Expanded)
- VI. **Karyological studies on some Crocus L. taxa from Turkey**
Uslu E., Tekin Babaç M., Yilmaz A.
Caryologia, vol.65, no.1, pp.7-10, 2012 (SCI-Expanded)
- VII. **Cytogenetic studies on quercus l. (fagaceae) species belonging to ilex and cerris section in turkey**
Aykut Y., Uslu E., babaç M. T.
Caryologia, vol.64, no.3, pp.297-301, 2011 (SCI-Expanded)
- VIII. **Karyological study on six trigonella l. Species (leguminosae) in turkey**
Aykut Y., Martin E., ÜNAL F., Akan H.
Caryologia, vol.62, no.2, pp.89-94, 2009 (SCI-Expanded)
- IX. **Karyological studies on four quercus l. Species in Turkey**
Aykut Y., Uslu E., TekinBabaç M.
Caryologia, vol.61, no.4, pp.397-401, 2008 (SCI-Expanded)

Articles Published in Other Journals

- I. **The Evaluation of psbA-trnH IGS Sequences in The Genus Potentilla L. as Barcoding Region**
Yılmaz A.
KSU J. Agric Nat, vol.27, no.4, pp.773-781, 2024 (ESCI)
- II. **Phylogenetic Relationships of The Trifolium L. Species Based on cpDNA Sequences**
Yılmaz A., Yeltekin Y.
Kahramanmaraş Sütçü İmam Üniversitesi Tarım ve Doğa Dergisi, vol.26, no.2, pp.299-306, 2023 (ESCI)
- III. **THE IMPORTANCE OF trnL/trnF IGS REGION IN THE TAXONOMY OF THE GENUS Potentilla L.**
yılmaz a.
Trakya University Journal of Natural Sciences, vol.24, no.1, pp.71-76, 2023 (ESCI)
- IV. **The Evaluations Of Taxonomic Classifications In The Genus Trifolium L. Based On ITS Sequences**
yılmaz A.
Sakarya Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.26, no.3, pp.545-553, 2022 (Peer-Reviewed Journal)
- V. **The Evaluations and Comparisons of Nuclear and Chloroplast DNA Regions Based on Species Identification and Phylogenetic Relationships of Crocus L. Taxa**
yılmaz a.
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.11, no.2, pp.1504-1518, 2021 (Peer-Reviewed Journal)
- VI. **The Importance in Phylogenetic Relationships of The Regions Belonging to Nuclear and Plastid DNA among Crocus biflorus subspecies**
YILMAZ A.
SAKARYA UNIVERSITY JOURNAL OF SCIENCE, vol.25, no.1, pp.55-64, 2021 (Peer-Reviewed Journal)
- VII. **Quercus L. cinsine ait türlerde kloroplast DNA'ya ait psbA-trnH IGS bölgesinin kullanılarak filogenetik ilişkilerin değerlendirilmesi**
YILMAZ A.
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.8, no.1, pp.1185-1192, 2020 (Peer-Reviewed Journal)
- VIII. **Phylogenetic relationships of the genus Quercus L. (Fageceae) from three different sections**

YILMAZ A.

AFRICAN JOURNAL OF BIOTECHNOLOGY, vol.15, no.40, pp.2265-2271, 2016 (Peer-Reviewed Journal)

IX. Molecular diversity among Turkish oaks (QUERCUS) using random amplified polymorphic DNA (RAPD) analysis

YILMAZ A., USLU E., BABAÇ M. T.

AFRICAN JOURNAL OF BIOTECHNOLOGY, vol.12, no.45, pp.6358-6365, 2013 (Peer-Reviewed Journal)

Books & Book Chapters

- I. matK Sekansları Temelinde Potentilla L. Cinsine Ait Taksonların Değerlendirilmesi ve Filogenetik Analizleri**
YILMAZ A.
in: Fen Bilimleri ve Matematik Alanında Gelişmeler, Talaz Oktay, Editor, Platanus Publishing, Ankara, pp.277-292, 2023
- II. THE IMPORTANCE OF ITS1-ITS2 SEQUENCES IN THE PHYLOGENETICALLY EVALUATION OF POTENTILLA L. TAXA AND COMPARISON OF THESE SEQUENCES AS BARCODING REGIONS**
YILMAZ A.
in: International Studies in Health Sciences, Gerçekler Filiz Özbaş, Akgül Hasan, Selamoğlu Zeliha, Editor, Serüven Yayınevi, Ankara, pp.183-200, 2023
- III. PHYLOGENETIC RELATIONSHIPS OF POTENTILLA L. TAXA BASED ON rbcL SEQUENCES**
YILMAZ A.
in: SCOPE AND IMPORTANCE OF AGRICULTURAL STUDIES, Baran Mehmet Fırat, Gezer Rukiye, Editor, İKSAD Publishing House, Ankara, pp.109-123, 2023
- IV. SPECIES IDENTIFICATION ABILITIES OF NUCLEAR AND PLASTID DNA REGIONS, THEIR IMPORTANCE IN PHYLOGENETIC RELATIONSHIPS AMONG Colchicum L. Species**
YILMAZ A.
in: HEALTH AND SCIENCE, Yasemin Taşçı, Sevi Öz, Editor, İKSAD Publishing House, Ankara, pp.35-64, 2020
- V. Cytogenetic Relationships of Turkish Oaks**
YILMAZ A.
in: Cytogenetics-Past, Present and Further Perspectives, Marcelo Larramendy, Sonia Soloneski, Editor, IntechOpen, Londra, pp.19-35, 2018

Refereed Congress / Symposium Publications in Proceedings

- I. Trigonella L. (Fabaceae) Cinsine Ait Türlerde, GA3OX1 ve RBCL Gen Bölgelerinin Kullanılarak Filogenetik İlişkilerin Değerlendirilmesi**
YELTEKİN Y., YILMAZ A.
AEGEAN SUMMIT 4th INTERNATIONAL APPLIED SCIENCES CONGRESS, Muğla, Turkey, 12 February 2022
- II. IMPORTANCE OF MATK GENE AND PSBA-TRNH INTRON BELONGING TO CHLOROPLAST GENOME IN THE EVALUATION OF PHYLOGNETIC RELATIONSHIPS AND DNA BARCODING IN THE SPECIES OF THE GENUS TRIGONELLA**
YELTEKİN Y., YILMAZ A.
7th INTERNATIONAL ZEUGMA CONFERENCE ON SCIENTIFIC RESEARCHES, Gaziantep, Turkey, 21 - 23 January 2022
- III. THE EVALUATION OF Trifolium L. TAXA PHYLOGENETICALLY BY USING OF FOUR DIFFERENT REGIONS BELONGING TO cpDNA IN DNA BARCODING**
YILMAZ A., YELTEKİN Y.
10th International Conference on Engineering and Natural Sciences, Siirt, Turkey, 16 - 18 May 2021, pp.467-468
- IV. TAXONOMY OF THE GENUS TRIFOLIUM AND THE EVALUATION OF THE GENUS BY USING COMPLETE**

GENOME OF cpDNA

YILMAZ A., YELTEKİN Y.

IGDIR INTERNATIONAL APPLIED SCIENCES CONGRESS, Iğdır, Turkey, 14 - 15 April 2021, pp.42-43

- V. **Bitkilerde DNA Barkodlama, Barkodlamada Kullanılan Bölgelerin Önemi ve Seçiminde Dikkat Edilmesi Gereken Durumlar**

YILMAZ A.

2nd International Congress of Medical Sciences and Biotechnology, Uşak, Turkey, 1 - 03 October 2020, pp.210-218

- VI. **Quercus cinsine ait türlerde matK geni/trnK gen intronu ve rbcL geninin DNA barkodlama ve filogenetik ilişkilerin değerlendirilmesinde önemi**

YILMAZ A.

1st International Congress on Medical Sciences and Biotechnology, Ankara, Turkey, 14 - 16 October 2019, pp.297-304

- VII. **Analysis of genetic variation among some Turkish oaks using random amplified polymorphic DNA (RAPD) method**

YILMAZ A.

European Biotechnology Congress, Riga, Latvia, 5 - 07 May 2016, pp.17-18

- VIII. **Comparison with morphometric measurement of the species belonging to Ilex section using vegetative characters**

YILMAZ A., USLU E., BABAÇ M. T.

Molecular Ecology, Vienna, Austria, 4 - 07 February 2012, pp.46

- IX. **Electrochemical Copolymerization of N Methylaniline and Bithiophene in Aqueous solution and Anticorrosive Properties of Coatings on Stainless Steel Electrodes in NaCl Medium**

KARADAŞ BAKIRHAN N., ÖZÇİÇEK N., ÇOLAK N., YILMAZ A.

AACD 2010, Lesvos, Greece, 29 September - 03 October 2010

- X. **Türkiye Ilex Loudon Seksiyonuna ait Quercus L. (Fagaceae) Türleri Üzerinde Sitogenetik Çalışmalar**

YILMAZ A., USLU E., BABAÇ M. T.

20. Ulusal Biyoloji Kongresi, Denizli, Turkey, 21 - 25 June 2010, pp.1041-1042

Supported Projects

YILMAZ A., Project Supported by Higher Education Institutions, Uşak İlinde Doğal Yetişen Crocus L. (Çiğdem) Türlerinin Sitogenetik ve Moleküler Yöntemlerle Karşılaştırılarak İncelenmesi, 2021 - 2023

YILMAZ A., Project Supported by Higher Education Institutions, UŞAK MEŞELERİNDE SİTOGENETİK VE MOLEKÜLER KARŞILAŞTIRMALAR, 2014 - 2020

YILMAZ A., Project Supported by Higher Education Institutions, Türkiye Ilex Loudon. Seksiyonuna ait Quercus L. (Fagaceae) Türleri Üzerinde Karşılaştırmalı Biyosistematik Çalışmalar, 2009 - 2011

YILMAZ A., Project Supported by Higher Education Institutions, Topluma Hizmet Projesi, 2009 - 2010

Metrics

Publication: 33

Citation (Scopus): 41

H-Index (WoS): 1

H-Index (Scopus): 4