

İş Telefonu: [+90 212 383 4627](tel:+902123834627)

Fax Telefonu: [+90 212 383 4625](tel:+902123834625)

E-posta: alyilmaz@yildiz.edu.tr

Web: <https://avesis.yildiz.edu.tr/alyilmaz>

Uluslararası Araştırmacı ID'leri

ScholarID: cY6X2voAAAAJ

ORCID: 0000-0002-8827-4887

Publons / Web Of Science ResearcherID: R-1830-2019

ScopusID: 57067174700

Yoksis Araştırmacı ID: 29465

Eğitim Bilgileri

- I. Doktora, Ohio State University, Moleküler, Hücresel ve Gelişim Biyolojisi Programı, Amerika Birleşik Devletleri 2000 - 2007
- II. Lisans, İhsan Doğramacı Bilkent Üniversitesi, Fen Fakültesi, Moleküler Biyoloji Ve Genetik Bölümü, Türkiye 1996 - 2000

Yabancı Diller

- I. İngilizce, C1 İleri

Yönetilen Tezler

- I. Yılmaz A., Preimplantation genetic diagnosis in balanced rearrangement carriers and investigation of inter chromosomal effect, Doktora, Ç.OĞUR(Öğrenci), 2023
- II. Yılmaz A., Gen ifadesi verilerinden derin öğrenme yaklaşımıyla genler arası dolaylı etkileşimlerin ortaya çıkarılması, Yüksek Lisans, G.ÇELEN(Öğrenci), 2022
- III. Yılmaz A., Dokuya Özgü Halkasal RNA'lar ve Kaynak Genlerinin İfade Profillerinin Araştırılması, Yüksek Lisans, E.İREM(Öğrenci), 2022
- IV. Yılmaz A., Kanser Hastalarının Gen İfade Verileri Kullanılarak Kanserde Kritik Genlerin Tanımlanması, Kanser Sınıflandırılması ve Tahmini için Görüntü-Tabanlı Derin Öğrenme Yaklaşımı, Yüksek Lisans, B.NUR(Öğrenci), 2021
- V. Yılmaz A., Meme Kanseri Yeni Nesil Dizileme Verilerinden Gen İfadesi ile mikroRNA ifadesi Arasındaki Karşılıklı Etkileşimin Analizi, Yüksek Lisans, S.ARI(Öğrenci), 2018
- VI. Yılmaz A., Analysis of biochemical pathway with graph based algorithms, Yüksek Lisans, E.RAVZA(Öğrenci), 2018
- VII. Yılmaz A., Analysis of Intra-tumoral Heterogeneity in Context of Tissue Specific Gene Expression with Computational Approach, Yüksek Lisans, H.BÜŞRA(Öğrenci), 2018
- VIII. YILMAZ A., İnsan Nöroblastoma Hücrelerinde Metal Uyarıcılı Oksidatif Stresle İndüklenen Alzheimer Modeli, Yüksek Lisans, E.KARAMAN(Öğrenci), 2017

- I. **Efficient Storage and Analysis of Genomic Data: A k-mer Frequency Mapping and Image Representation Method**
Luleci H. B., Yuka S. A., YILMAZ A.
Interdisciplinary Sciences - Computational Life Sciences, 2024 (SCI-Expanded)
- II. **Biofabrication of Acer palmatum-Mediated Multifunctional CuO Nanoparticles for Dye Removal, Antibacterial-Antifungal Activity, and Molecular Docking**
Sazak C., ATTAR A., YILMAZ A., ALTIKATOĞLU YAPAÖZ M.
ACS Omega, cilt.8, sa.40, ss.36835-36844, 2023 (SCI-Expanded)
- III. **PGT for structural chromosomal rearrangements in 300 couples reveals specific risk factors but an interchromosomal effect is unlikely**
Ogur C., Kahraman S., Griffin D. K., Cinar Yapan C., Tufekci M. A., Cetinkaya M., TEMEL Ş. G., YILMAZ A.
Reproductive BioMedicine Online, cilt.46, sa.4, ss.713-727, 2023 (SCI-Expanded)
- IV. **Effect of SARS-CoV-2 infection on host competing endogenous RNA and miRNA network.**
Ari Yuka S., Yilmaz A.
PeerJ, cilt.9, sa.e12370, 2021 (SCI-Expanded)
- V. **Network based multifactorial modelling of miRNA-target interactions**
Ari Yuka S., Yilmaz A.
PEERJ, cilt.9, 2021 (SCI-Expanded)
- VI. **Important biological information uncovered in previously unaligned reads from chromatin immunoprecipitation experiments (ChIP-Seq)**
Ouma W. Z., Mejia-Guerra M. K., YILMAZ A., PAREJA-TOBES P., Li W., Doseff A. I., Grotewold E.
SCIENTIFIC REPORTS, cilt.5, 2015 (SCI-Expanded)
- VII. **Molecular basis for the action of a dietary flavonoid revealed by the comprehensive identification of apigenin human targets**
Arango D., Morohashi K., Yilmaz A., Kuramochi K., Parihar A., Brahimaj B., Grotewold E., Doseff A. I.
PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, cilt.110, sa.24, 2013 (SCI-Expanded)
- VIII. **Unraveling the KNOTTED1 regulatory network in maize meristems**
Bolduc N., Yilmaz A., Mejia-Guerra M. K., Morohashi K., O'Connor D., Grotewold E., Hake S.
GENES & DEVELOPMENT, cilt.26, sa.15, ss.1685-1690, 2012 (SCI-Expanded)
- IX. **A Genome-Wide Regulatory Framework Identifies Maize Pericarp Color1 Controlled Genes**
Morohashi K., Casas M. I., Falcone Ferreyra L., Mejia-Guerra M. K., Pourcel L., Yilmaz A., Feller A., Carvalho B., Emiliani J., Rodriguez E., et al.
PLANT CELL, cilt.24, sa.7, ss.2745-2764, 2012 (SCI-Expanded)
- X. **Thriving under Stress: Selective Translation of HIV-1 Structural Protein mRNA during Vpr-Mediated Impairment of eIF4E Translation Activity**
Sharma A., Yilmaz A., Marsh K., Cochrane A., Boris-Lawrie K.
PLOS PATHOGENS, cilt.8, sa.3, 2012 (SCI-Expanded)
- XI. **AGRIS: the Arabidopsis Gene Regulatory Information Server, an update**
Yilmaz A., Mejia-Guerra M. K., Kurz K., Liang X., Welch L., Grotewold E.
NUCLEIC ACIDS RESEARCH, cilt.39, 2011 (SCI-Expanded)
- XII. **Genome sequencing and analysis of the model grass Brachypodium distachyon**
Vogel J. P., Garvin D. F., Mockler T. C., Schmutz J., Rokhsar D., Bevan M. W., Barry K., Lucas S., Harmon-Smoth M., Lail K., et al.
NATURE, cilt.463, sa.7282, ss.763-768, 2010 (SCI-Expanded)
- XIII. **Components and Mechanisms of Regulation of Gene Expression**
YILMAZ A., Grotewold E.
COMPUTATIONAL BIOLOGY OF TRANSCRIPTION FACTOR BINDING, cilt.674, ss.23-32, 2010 (SCI-Expanded)
- XIV. **The word landscape of the non-coding segments of the Arabidopsis thaliana genome**
Lichtenberg J., Yilmaz A., Welch J. D., Kurz K., Liang X., Drews F., Ecker K., Lee S. S., Geisler M., Grotewold E., et al.
BMC GENOMICS, cilt.10, 2009 (SCI-Expanded)

- XV. **GRASSIUS: A Platform for Comparative Regulatory Genomics across the Grasses**
Yilmaz A., Nishiyama M. Y., Fuentes B. G., Souza G. M., Janies D., Gray J., Grotewold E.
PLANT PHYSIOLOGY, cilt.149, sa.1, ss.171-180, 2009 (SCI-Expanded)
- XVI. **NOD/SCID mouse model of canine T-cell lymphoma with humoral hypercalcaemia of malignancy: cytokine gene expression profiling and in vivo bioluminescent imaging**
Nadella M. V. P., Kisseberth W. C., Nadella K. S., Thudi N. K., Thamm D. H., McNeil E. A., Yilmaz A., Boris-Lawrie K., Rosol T. J.
VETERINARY AND COMPARATIVE ONCOLOGY, cilt.6, sa.1, ss.39-54, 2008 (SCI-Expanded)
- XVII. **RNA helicase A interacts with divergent lymphotropic retroviruses and promotes translation of human T-cell leukemia virus type 1**
Bolinger C., Yilmaz A., Hartman T. R., Kovacic M. B., Fernandez S., Ye J., Forget M., Green P. L., Boris-Lawrie K.
NUCLEIC ACIDS RESEARCH, cilt.35, sa.8, ss.2629-2642, 2007 (SCI-Expanded)
- XVIII. **Retrovirus translation initiation: Issues and hypotheses derived from study of HIV-1**
Yilmaz A., BOLINGER C., BORIS-LAWRIE K.
CURRENT HIV RESEARCH, cilt.4, sa.2, ss.131-139, 2006 (SCI-Expanded)
- XIX. **Coordinate enhancement of transgene transcription and translation in a lentiviral vector**
Yilmaz A., FERNANDEZ S., LAIRMORE M. D., BORIS-LAWRIE K.
RETROVIROLOGY, cilt.3, 2006 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Balıkesir/Antandros Antik Kenti Kazısı Toprak Örneklerinin Metagenomik Analizi**
Bal D., Balci B., Yilmaz A., Polat G., Arican E.
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, cilt.26, sa.1, ss.1-12, 2022 (Hakemli Dergi)
- II. **Convolutional Neural Network Approach to Predict Tumor Samples Using Gene Expression Data**
DARENDELİ KİRAZ B. N., YILMAZ A.
Zeki sistemler teori ve uygulamaları dergisi (Online), cilt.4, sa.2, ss.136-141, 2021 (Hakemli Dergi)
- III. **Assessment of Mutation Susceptibility in DNA Sequences with Word Vectors**
YILMAZ A.
Zeki Sistemler Teori ve Uygulamaları Dergisi, cilt.3, sa.1, ss.1-6, 2020 (Hakemli Dergi)
- IV. **POPcorn: An Online resource providing access to distributed and diverse maize project data**
Cannon E. K., Birkett S. M., Braun B. L., Kodavali S., Jennewein D. M., Yilmaz A., Antonescu V., Antonescu C., Harper L. C., Gardiner J. M., et al.
International Journal of Plant Genomics, cilt.2011, 2011 (Scopus)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **A New Network-Based Tool to Analyse Competing Endogenous RNAs**
Yuka S., Yilmaz A.
16th International Symposium on Bioinformatics Research and Applications, ISBRA 2020, Moscow, Rusya, 1 - 04 Aralık 2020, ss.274-281
- II. **Constructing Accurate Compound Networks for Reliable Network Analysis**
Alpaydın D., Öztürk R., Yilmaz A.
12th International Symposium on Health Informatics and Bioinformatics (HIBIT) 2019, İzmir, Türkiye, 17 - 18 Ekim 2019, ss.230
- III. **Reduction of Depression Symptoms via the Metabolites of Gut Microbiota**
Mawaldı I., Yilmaz A.
12th International Symposium on Health Informatics and Bioinformatics (HIBIT) 2019, İzmir, Türkiye, 17 - 18 Ekim

2019, ss.218

- IV. **Automation of Genetic Screening and Reporting with Snakemake**
Kalyon O., Müslümanoğlu M. H., Yılmaz A.
12th International Symposium on Health Informatics and Bioinformatics (HIBIT) 2019, İzmir, Türkiye, 17 - 18 Ekim 2019, ss.219
- V. **Prediction of Mutation Susceptibility Based on Solely DNA Sequences with Word2Vec**
Darendeli B. N., Kalyon O., Yılmaz A.
12th International Symposium on Health Informatics and Bioinformatics (HIBIT) 2019, İzmir, Türkiye, 17 - 18 Ekim 2019, ss.222-223
- VI. **Breast cancer gene expression profile analysis in terms of genes specific to non- breast tissues**
Konuk H. B., Yılmaz A.
1st International Conference of Genomics and Bioinformatics (ICGB), Aydın, Türkiye, 1 - 04 Kasım 2018, ss.30
- VII. **Batch Analysis of RNA-Seq Data with Docker in AWS Cloud**
Yılmaz A.
ICAMLS 2018 International Conference on Applied Mathematics, Modeling and Life Science Problems, İstanbul, Türkiye, 3 - 05 Ekim 2018, ss.87
- VIII. **What is the relationship between cancer DEGs and tissue specific genes**
Konuk H. B., Cesur M. R., Yılmaz A.
Lisansüstü Araştırmalar Sempozyumu ve Tanıtım Günleri, Kocaeli, Türkiye, 17 - 18 Mayıs 2017
- IX. **Kanserde İfadesi Değişen Genlerin Metabolit Ağı Açısından Değerlendirilmesi**
Öztürk R., Yılmaz A.
1.Temel Onkoloji Sempozyumu, İzmir, Türkiye, 9 - 11 Mayıs 2018, ss.30
- X. **Kanser Teşhisinde Derin Öğrenme ile Sınıflandırma**
Darendeli B. N., Al-Qabbani H., Yılmaz A.
1.Temel Onkoloji Sempozyumu, İzmir, Türkiye, 9 - 11 Mayıs 2018, ss.48
- XI. **Pinpointing the importance of compounds in human metabolic network**
Öztürk E. R., Yılmaz A.
7th International Molecular Biology and Biotechnology Congress, Konya, Türkiye, 25 - 27 Nisan 2018, ss.160
- XII. **Multifactorial Modelling of MicroRNA Associated Repression and Its Subsequent Effects on Gene Expression in MicroRNA:Target Network**
Arı S., Yılmaz A.
7th International Molecular Biology and Biotechnology Congress, Konya, Türkiye, 25 - 27 Nisan 2018, ss.401
- XIII. **RIGOROUS IDENTIFICATION OF TISSUE SPECIFIC GENES IN SILICO: REVEALING THE INTERPLAY BETWEEN CANCER SPECIFIC EXPRESSION AND TISSUE SPECIFIC EXPRESSION**
KONUK H. B., YILMAZ A.
International Congress on Advances in Bioscience and Biotechnology, Saraybosna, Bosna-Hersek, 25 - 29 Ekim 2017
- XIV. **GENERATING LOSSLESS COMPRESSION OF GENOME SCALE K-MER FREQUENCY TABLE AS RASTER IMAGE**
KONUK H. B., YILMAZ A.
International Congress on Advances in Bioscience and Biotechnology, Saraybosna, Bosna-Hersek, 25 - 29 Ekim 2017
- XV. **IDENTIFICATION of TISSUE SPECIFIC GENES and ASSESMENT of THEIR INTERSECTION WITH DIFFERENTIALY EXPRESSED GENES in CANCER DATA to UNDERSTAND TUMOR HETEROGENEITY IN SILICO**
Konuk H. B., Cesur M. R., Yılmaz A.
10 th International Symposium on Health Informatics and Bioinformatics, Güzelyurt, Kıbrıs (Kkct), 28 Haziran 2017
- XVI. **SURVEY OF CHIMERIC mRNAs IN HIV INFECTED PATIENT RNA-SEQ DATA**
KALYON O., YILMAZ A.
10th International Symposium on Health Informatics and Bioinformatics, Güzelyurt, Kıbrıs (Kkct), 28 Haziran 2017

- XVII. **Prebiotics and Probiotics: Break the 'Self-Domino Effect' for obesity Treatment**
Özel C., Yılmaz A.
IVEK 3rd International Convention of Pharmaceuticals and Pharmacies, İstanbul, Türkiye, 26 Nisan 2017, ss.338
- XVIII. **Robust and Rigorous Classification of Tissue Specific Genes**
KONUK H. B., YILMAZ A.
INTERNATIONAL DNA DAY AND GENOME CONGRESS (IDGCG) 2017, Kırşehir, Türkiye, 24 Nisan 2017
- XIX. **Prediction of splice site using AdaBoost with a new sequence encoding approach**
Pashaei E., YILMAZ A., ÖZEN M., AYDIN N.
2016 IEEE International Conference on Systems, Man, and Cybernetics, 9 - 12 Ekim 2016
- XX. **A Combined SVM and Markov Model approach for Splice Site Identification**
Pashaei E., YILMAZ A., Aydin N.
6th International Conference on Computer and Knowledge Engineering (ICCKE), Mashhad, İran, 20 - 21 Ekim 2016, ss.200-204
- XXI. **A Novel Method for Splice Sites Prediction Using Sequence Component and Hidden Markov Model**
Pashaei E., YILMAZ A., Ozen M., AYDIN N.
38th Annual International Conference of the IEEE-Engineering-in-Medicine-and-Biology-Society (EMBC), Florida, Amerika Birleşik Devletleri, 16 - 20 Ağustos 2016, ss.3076-3079
- XXII. **Utilization of Multiple Mapped Sequences in Next Generation Sequencing Especially in Chip Seq Experiments**
ZOR S., YILMAZ A.
International Health Informatics and Bioinformatics Symposium, Muğla, Türkiye, 16 - 17 Ekim 2015
- XXIII. **Computational Identification of miRNA Targets Using Olive Library**
Ömeroğlu Ulu Z., ÜN C., ÖZTABAK K. Ö., YILMAZ A., ÖZDEMİR ÖZGENTÜRK N.
Post-Transcriptional Gene Regulation in Plants, Paris, 10 - 11 Temmuz 2015
- XXIV. **Molecular Analysis of Lipid Transfer Gene Selected from Olive Olea europaea ESTs Expressed Sequence Tags Collection**
Ömeroğlu Ulu Z., ÜN C., ÖZTABAK K. Ö., YILMAZ A., ÖZDEMİR ÖZGENTÜRK N.
International Symposium on Molecular Chemistry, 18 - 19 Aralık 2014
- XXV. **Construction and Comparison of EST Library for Expressed Genes in Normal and Tumoral Mammary Gland Tissue of the Terrier Dog**
Ömeroğlu Ulu Z., ÜN C., ÖZTABAK K. Ö., YILMAZ A., ÖZDEMİR ÖZGENTÜRK N.
International Symposium on Molecular Chemistry, 18 - 19 Aralık 2014
- XXVI. **Design and synthesis of small peptide sequences to detect concentrations of free transition metal ions**
YÜCESAN G., Yılmaz A., Adıyaman R.
American Chemical Society, 01 Mart 2014
- XXVII. **Analyses of EST Collection from Prenatal and Postnatal Mammary Tissue of Sheep**
Ömeroğlu Ulu Z., ÜN C., ÖZTABAK K. Ö., YILMAZ A., ÖZDEMİR ÖZGENTÜRK N.
HIBIT 2013 The 8th International Symposium on Health Informatics and Bioinformatics, 25 - 27 Eylül 2013
- XXVIII. **Discovery of regulatory networks in plants by linking promoter and transcription factor databases.**
YILMAZ A., Palaniswamy S., Davuluri R., Grotewold E.
Proceedings of the Ohio Collaborative Conference on Bioinformatics, 01 Haziran 2009
- XXIX. **Construction of genomic regulatory encyclopedias: Strategies and case studies**
Alam M., Bitterman T., Drews F., Ecker K., Elnitski L., Evans S., YILMAZ A., Welch L.
Proceedings of the Ohio Collaborative Conference on Bioinformatics, 01 Haziran 2009

Desteklenen Projeler

-
- I. Çakır R., Yılmaz A., Çalık H., Arı Yuka S., Maden H., TÜSEB A Grubu Acil AR-GE Projesi, Kolorektal Kanserde Çoklu

İlaç Direncine Karşı İn Siliko Terapötik Peptit Tasarlanması ve Kitosan Nanopartikülleri ile Etkinliğinin İn Vitro İncelenmesi, 2024 - 2026

- II. YILMAZ A., Yükseköğretim Kurumları Destekli Proje, İnsan Nöroblastoma Hücrelerinde Metal-Uyarıcı Oksidatif Stresle İndüklenen Alzheimer Modeli, 2016 - 2017
- III. YILMAZ A., BULUT YILGÖR M., ÖZTAŞ E. S., TÜBİTAK Projesi, Bazı Sonlu Halkalar Üzerinde Tanımlı Ters Sıralı-Tamlama Kodlar Ve DNA\'ya Uygulamaları, 2013 - 2015