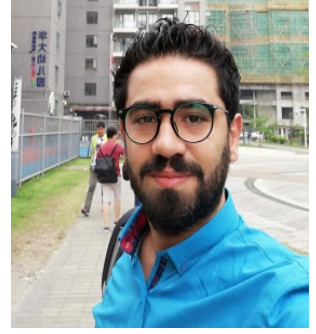


VAHAP ELDEM

ASST. PROF.

Email : vahap.eldem@istanbul.edu.tr

Office Phone : [+90 212 455 5700](tel:+902124555700) Extension: 15086



Learning Knowledge

Doctorate 2010 - 2015	İstanbul Üniversitesi, Faculty of Science, Biyoloji/Zooloji, Turkey
--------------------------	---

Post Graduate 2008 - 2010	İstanbul Üniversitesi, Fen Bilimleri, Biyoloji, Turkey
------------------------------	--

Under Graduate 2004 - 2008	İstanbul Üniversitesi, Faculty of Science, Biyoloji, Turkey
-------------------------------	---

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Hamsi Balığı (*Engraulis encrasicolus*, L.) Genom Düzeyinde Doku Spesifik Transkriptom Analizi, İstanbul University, Faculty of Science, Biyoloji/Zooloji, 2015

Post Graduate, BAZI KARA MİDYE (*MYTILUS GALLOPROVINCIALIS LAMARCK*) POPULASYONLARINDA ITS BÖLGESİNE DAYALI GENETİK ÇEŞİTLİLİK, İstanbul University, Faculty of Science, Biyoloji, 2010

Academic Titles / Tasks

Assistant Professor 2018 - Continues	İstanbul University, Faculty of Science, Department of Biology
---	--

Supported Projects

- ELDEM V., TÜBİTAK Project, Van Gölü İnci Kefali Genom Projesi Kapsamında İnci Kefali Balığının (*Chalcalburnus tarichi*) Genom ve Transkriptom Düzeylerinde Karakterizasyonu, 2018 - Continues
- Dikmen F., Eldem V., Project Supported by Higher Education Institutions, Comparison of the transcriptome profiles of antennal Chemosensory reseptors of Long and Short-Tongued species of the genus *Bombus* Latreille, 1802 Apidae Hymenoptera, 2020 - 2022
- Dikmen F., Eldem V., TÜBİTAK Project, *Bombus* Arısının (*Bombus terrestris* L.) Gelişim Sürecinde Anten

- Kemoreseptörlerinin Genom Düzeyindeki İfade Eğilimlerinin Araştırılması, 2019 - 2021
4. KÖSESAKAL T., ELDEM V., Project Supported by Higher Education Institutions, Azolla'nın işlevsel karakterizasyonu ve de novo transkriptom inşası, 2018 - 2020
 5. Eldem V., TUBITAK Project, Hamsi Balığı (*Engraulis encrasicolus* L., 1758) Genomunun Mate-Pair Dizileme Yaklaşımı ile Geliştirilmesi, 2018 - 2020
 6. ELDEM V., Project Supported by Higher Education Institutions, Kemikli Balıklarda Transkripsiyon Faktör Kompozisyonunun Belirlenmesi, 2017 - 2018
 7. BOZÇAL DAĞDEVİREN E., SKURNIK M., ELDEM V., AYDEMİR S. Ş. , Project Supported by Higher Education Institutions, İntestinal sistem dışı patojenik *Escherichia coli* (ExPEC) suşlarında virülans ilişkili yeni genomik adaların in silico karşılaştırmalı genomik ile araştırılması, 2016 - 2017
 8. ERKAN M. B. , ELDEM V., ORTA YILMAZ B., AYDIN Y., Project Supported by Higher Education Institutions, Hamsi balığı (*Engraulis encrasicolus* L., 1758)'nin genom karakteri ve kompozisyonunun araştırılması, 2014 - 2017
 9. KUBANÇ C., KUBANÇ S. N. , ARTÜZ L., ELDEM V., SÖNMEZ B., Project Supported by Higher Education Institutions, Bazı Tatlı Su Ostracodlarında DNA İzolasyon Yönteminin Geliştirilmesi, 2016 - 2016
 10. ERKAN M. B. , ELDEM V., Project Supported by Higher Education Institutions, Hamsi Balığı (*Engraulis encrasicolus* L., 1758)'nin Genom Düzeyinde Doku Spesifik transkriptom Analizi, 2013 - 2015

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

1. **Fish oil replacement with different vegetable oils in gilthead seabream, *Sparus aurata* diets: Effects on fatty acid metabolism based on whole-body fatty acid balance method and genes expression**
Ofori-Mensah S., YILDIZ M., ARSLAN M., ELDEM V.
AQUACULTURE, vol.529, 2020 (Journal Indexed in SCI)
2. **Substitution of fish oil with camelina or chia oils in gilthead sea bream (*Sparus aurata*, L.) diets: Effect on growth performance, fatty acid composition, haematology and gene expression**
Ofori-Mensah S., YILDIZ M., ARSLAN M., ELDEM V., Gelibolu S.
AQUACULTURE NUTRITION, 2020 (Journal Indexed in SCI)
3. **MLSeq: Machine learning interface for RNA-sequencing data**
GÖKSÜLÜK D., ZARARSIZ G., KORKMAZ S., Eldem V., Zararsiz G. E. , Ozcetin E., ÖZTÜRK A., KARAAĞAOĞLU A. E.
COMPUTER METHODS AND PROGRAMS IN BIOMEDICINE, vol.175, pp.223-231, 2019 (Journal Indexed in SCI)
4. **The Relationship Between Blood Pressure and Sleep Duration in Turkish Children: A Cross-Sectional Study**
BAL C., ÖZTÜRK A., ÇİÇEK B., Ozdemir A., ZARARSIZ G., ÜNALAN D., Zararsiz G. E. , KORKMAZ S., GÖKSÜLÜK D., Eldem V., et al.
JOURNAL OF CLINICAL RESEARCH IN PEDIATRIC ENDOCRINOLOGY, vol.10, pp.51-58, 2018 (Journal Indexed in SCI)
5. **voomDDA: discovery of diagnostic biomarkers and classification of RNA-seq data**
ZARARSIZ G., Goksuluk D., Klaus B., Korkmaz S., Eldem V., KARABULUT E., ÖZTÜRK A.
PEERJ, vol.5, 2017 (Journal Indexed in SCI)
6. **A comprehensive simulation study on classification of RNA-Seq data**
Zararsiz G., Goksuluk D., Korkmaz S., Eldem V., Zararsiz G. E. , Duru I. P. , ÖZTÜRK A.
PLOS ONE, vol.12, 2017 (Journal Indexed in SCI)
7. **Global Transcriptome Analysis Reveals Differences in Gene Expression Patterns Between Nonhyperhydric and Hyperhydric Peach Leaves**
Bakir Y., Eldem V., ZARARSIZ G., Unver T.
PLANT GENOME, vol.9, 2016 (Journal Indexed in SCI)
8. **Theory of room temperature ferromagnetism in Cr modified DNA nanowire**
Duru I. P. , DEĞER C., Eldem V., Kalayci T., AKTAŞ Ş.
JOURNAL OF PHYSICS D-APPLIED PHYSICS, vol.49, 2016 (Journal Indexed in SCI)
9. **Complete mitochondrial genome of *Alburnus istanbulensis* (Teleostei, Cyprinidae).**

Eldem V., Kubanc C., Kubanc N.

Mitochondrial DNA. Part A, DNA mapping, sequencing, and analysis, vol.27, pp.1241-2, 2016 (Journal Indexed in SCI Expanded)

10. **The complete mitochondrial genome of *Alburnus tarichi* (Teleostei, Cyprinidae)**
Kubanc N., Eldem V., Kubanc C.
Mitochondrial DNA, vol.27, pp.1243-1244, 2016 (Journal Indexed in SCI Expanded)
11. **De novo assembly and comprehensive characterization of the skeletal muscle transcriptomes of the European anchovy (*Engraulis encrasicolus*)**
Eldem V., ZARARSIZ G., Erkan M., Bakir Y.
MARINE GENOMICS, vol.20, pp.7-9, 2015 (Journal Indexed in SCI)
12. **Genome-Wide Analysis of the bZIP Transcription Factors in Cucumber**
Baloglu M. C. , Eldem V., Hajyzadeh M., Unver T.
PLOS ONE, vol.9, 2014 (Journal Indexed in SCI)
13. **Boron Stress Responsive MicroRNAs and Their Targets in Barley**
Ozhuner E., Eldem V., Ipek A., Okay S., Sakcali S., Zhang B., Boke H., Unver T.
PLOS ONE, vol.8, 2013 (Journal Indexed in SCI)
14. **Plant microRNAs: new players in functional genomics**
Eldem V., Okay S., Unver T.
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.37, pp.1-21, 2013 (Journal Indexed in SCI)
15. **Genome-Wide Identification of miRNAs Responsive to Drought in Peach (*Prunus persica*) by High-Throughput Deep Sequencing**
Eldem V., Akcay U. C. , Ozhuner E., Bakir Y., Uranbey S., Unver T.
PLOS ONE, vol.7, 2012 (Journal Indexed in SCI)
16. **Micro-RNA Regulation for Boron Toxicity Tolerance in Barley**
ÜNVER T., Erkilic E. G. , Eldem V., Sakcali S., İPEK A., Uranbey S., ÖZCAN S.
IN VITRO CELLULAR & DEVELOPMENTAL BIOLOGY-ANIMAL, vol.48, pp.40, 2012 (Journal Indexed in SCI)

Articles Published in Other Journals

1. **Sodium Arsenic Alters the Gene Expression of some Steroidogenic Genes in TM3 Leydig Cell.**
Taşçı T., ELDEM V., ERKAN M. B.
Celal Bayar University Journal of Science, vol.15, pp.265-270, 2019 (National Refreed University Journal)
2. **Genome-wide EST-SSR Marker Identification in Red Wiggler Worm *Eisenia fetida* (Savigny, 1826)**
ELDEM V.
Celal Bayar University Journal of Science, vol.14, pp.135-140, 2018 (National Refreed University Journal)
3. **A Quick and Efficient Method for DNA Isolation from Freshwater Ostracods**
KUBANÇ S. N. , Taşçı T., KUBANÇ C., Özuluğ O., ELDEM V.
Genetics of Aquatic Organisms, vol.1, no.1, pp.1-7, 2017 (National Refreed University Journal)

Books & Book Chapters

1. **Transcriptome Analysis for Non-Model Organism: Current Status and Best-Practices**
ELDEM V., Zararsız G., Taşçı T., Duru İ. P. , Bakır Y., ERKAN M. B.
in: Applications of RNA-Seq and Omics Strategies - From Microorganisms to Human Health, March F.A., Cirillo P.D.R., Mateo E.C, Editor, Intech, Rijeka, pp.55-77, 2017
2. **Transcriptome Analysis for Non-Model Organism: Current Status and Best-Practices**
ELDEM V., Zararsız G., Taşçı T., Duru İ. P. , Bakır Y., ERKAN M. B.
in: Applications of RNA-Seq and Omics Strategies - From Microorganisms to Human Health, March F.A., Cirillo P.D.R., Mateo E.C, Editor, Intech, Rijeka, pp.55-77, 2017

3. **Diluted Magnetic DNA Nanowires**
Değer C., ELDEM V., Duru İ. P.
in: Nanowires - New Insights, Maaz K., Editor, Intech, Rijeka, pp.189-207, 2017
4. **Antimicrobial Polypeptides in the Control of Plant Pathogenic Bacteria**
ELDEM V.
in: Sustainable Approaches to Controlling Plant Pathogenic Bacteria, Kannan R.V., Bastas K.K., Editor, Crc Press, Florida, pp.123-148, 2015
5. **Drosophila' da Eksen Spesifikasyonunun Genetiği**
ELDEM V.
in: Gelişim Biyolojisi, "Erkan M.", "İrez T.", Editor, Nobel Tıp Kitapevi, İstanbul, pp.203-237, 2013
6. **Kuşlar ve Memeliler: Erken Gelişim ve Eksen Oluşumu**
ELDEM V.
in: Gelişim Biyolojisi, "Erkan M.", "İrez T.", Editor, Nobel Tıp Kitapevi, İstanbul, pp.287-319, 2013

Refereed Congress / Symposium Publications in Proceedings

1. **The Comprehensive Characterization of Segmental Duplication in Zebrafish Genome**
DİKMEN F., YILDIZBAYRAK N., ELDEM V., ERKAN M. B.
13th International Symposium on Fisheries and Aquatic Sciences (FABA), Ankara, Turkey, 21 - 23 November 2018, pp.81
2. **Whole-Genome Characterization and Composition of European Anchovy (*Engraulis encrasicolus* L., 1758)**
ELDEM V., Yüksel B., ERKAN M. B., Zararsız G., DİKMEN F., Saraç A., AYDIN Y., Taşçı T., Gücü A. C.
FABA 2016: International Symposium on Fisheries and Aquatic Sciences, Antalya, Turkey, 3 - 05 November 2016, pp.111-112
3. **Hamsi balığı (*Engraulis encrasicolus*)'nın yumurta gelişiminde rol oynayan genlerin karşılaştırmalı transkriptomik yaklaşım ile belirlenmesi**
ELDEM V., AYDIN Y., Yüksel B., ERKAN M. B.
II. Ulusal Su Ürünleri Yetiştiriciliğinde Gamet Biyolojisi Çalıştayı, Muğla, Turkey, 19 - 21 April 2016, pp.1
4. **Şeftali (*Prunus persica* L.)' de kuraklık stresi ile ilişkili mikroRNA' ların yeni nesil dizileme teknolojisiyle tanımlanması ve karakterizasyonu**
ELDEM V., Bakır Y., Akçay U. Ç., ÜNVER T.
2. Ulusal Moleküler Biyoloji ve Biyoteknoloji Kongresi, Antalya, Turkey, 1 - 04 December 2012, pp.58-59
5. **İşlevsel Genomiğin Yeni Oyuncusu; Bitki MikroRNA' ları**
ÜNVER T., Erkilic E. G., Özhüner E., Yanık H., Böke H., Hajyzadeh M., İnal B., ELDEM V., Parmaksız İ., İpek A., et al.
2. Ulusal Moleküler Biyoloji ve Biyoteknoloji Kongresi, Antalya, Turkey, 1 - 04 December 2012, pp.18-19
6. **Micro-RNA Regulation for Boron Toxicity Tolerance in Barley**
Unver T., ELDEM V.
World Congress on In vitro biology, Washington, United States Of America, 3 - 07 June 2012, vol.48, pp.40

Other Publications

1. **Machine learning interface for RNA-Seq data**
Zararsız G., Goksuluk D., Korkmaz S., ELDEM V., Duru İ. P., Unver T., Ozturk A.
Other, pp.1-10, 2014

Citations

Total Citations (WOS):336

h-index (WOS):7

Research Areas

Life Sciences, Bioinformatics, Biological Information, Molecular Biology and Genetics, Genetic Disorders, Genomics, Natural Sciences