

Assoc. Prof. ARZU KARAHAN

Personal Information

Office Phone: [+90 324 521 3434](tel:+903245213434) Extension: 1171

Fax Phone: [+90 324 521 3434](tel:+903245213434)

Email: arzucar@metu.edu.tr

Web: <https://avesis.metu.edu.tr/arzucar>

Address: Middle East Technical University, Institute of Marine Sciences, P.O.Box 28, 33731, Erdemli-Mersin, TURKEY

International Researcher IDs

ScholarID: GPeL8LIAAAAJ

ORCID: 0000-0002-4096-9372

Publons / Web Of Science ResearcherID: J-5441-2019

ScopusID: 6507183963

Yoksis Researcher ID: 239655

Education Information

Post Doctorate, Middle East Technical University, Deniz Bilimleri, Turkey 2013 - 2017

Post Doctorate, The University of Haifa, Israel Oceanographic And Limnological Research Institute (Iolr), Biotechnology, Israel 2012 - 2013

Post Doctorate, Middle East Technical University, Deniz Bilimleri, Turkey 2010 - 2012

Doctorate, Mersin University, Institute Of Science, Turkey 2000 - 2007

Postgraduate, Mersin University, Institute Of Science, Biyoloji, Turkey 1996 - 1999

Undergraduate, Ataturk University, Kâzım Karabekir Eğitim Fakültesi, Biyoloji, Turkey 1990 - 1994

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Education Management and Planning, 4th Annual 24 Hours of Stem Cells event, Thermo Fisher Scientific, 2016

Education Management and Planning, 3rd Annual Hours of Stem Cells event, Thermo Fisher Scientific, 2015

Education Management and Planning, IsraStem, Tel Aviv Uni., 2013

Dissertations

Doctorate, Garra rufa ve Garra variabilis'in morfometrik ve sitogenetik yönden karşılaştırmalı olarak incelenmesi, Mersin Üniversitesi, 2007

Postgraduate, Göksu Deltası Akgöl-Paradeniz dalyanında yaşayan clarias lazera (valenciennes, 1840)'nın büyüme, beslenme ve üreme özellikleri, Mersin Üniversitesi, 1999

Research Areas

Life Sciences, Molecular Biology and Genetics, Genomics, Animal Molecular Genetics, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Middle East Technical University, Institute of Marine Sciences, Marine Biology and Fisheries, 2018 - Continues

Assistant Professor, Middle East Technical University, Institute of Marine Sciences, Marine Biology and Fisheries, 2017 - 2018

Research Assistant, Mersin University, Faculty Of Arts And Sciences, Department Of Biology, 1998 - 1999

Courses

Marine Molecular Ecology, Postgraduate, 2020 - 2021

Marine Stem Cell, Doctorate, 2020 - 2021

MOLECULAR EVOLUTION, Postgraduate, 2018 - 2019

Advising Theses

Karahan A., Sphingosine-1-phosphate receptor-4's role in the Wnt pathway during the whole-body regeneration of Botryllid ascidians, Doctorate, F.Nur(Student), Continues

KARAHAN A., Mitochondrial and nuclear dna phylogeographies for two botryllid ascidian species from the north-eastern mediterranean sea, Postgraduate, E.Öztürk(Student), 2020

Karahan A., PHYLOGEOGRAPHIC RESOLUTION OF Botrylloides affinis leachii (SAVIGNY, 1816) FROM THE NORTH-EASTERN MEDITERRANEAN SEA, Postgraduate, B.Temiz(Student), 2019

Jury Memberships

Post Graduate, Post Graduate, Orta Doğu Teknik Üniversitesi, June, 2021

Designed Lessons

Karahan A., Marine stem cell, Doctorate, 2020 - 2021

Karahan A., Marine Molecular Ecology, Postgraduate, 2020 - 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Identification of Cutinolytic Esterase from Microplastic-Associated Microbiota Using Functional Metagenomics and Its Plastic Degrading Potential**
Adıgüzel A. O., Şen F., Könen-Adıgüzel S., KIDEYŞ A. E., KARAHAN A., Doruk T., Tunçer M.
Molecular Biotechnology, vol.66, no.10, pp.2995-3012, 2024 (SCI-Expanded)
- II. **A broad-taxa approach as an important concept in ecotoxicological studies and pollution monitoring**
Rosner A., Ballarin L., Barnay-Verdier S., Borisenko I., Drago L., Drobne D., Concetta Eliso M., Harbuzov Z., Grimaldi A., Guy-Haim T., et al.
Biological Reviews, vol.99, no.1, pp.131-176, 2024 (SCI-Expanded)

- III. **Tunicate Eco-Evo-Devo laboratory in IMS-METU**
KARAHAN A.
Genesis (United States), vol.61, no.6, 2023 (SCI-Expanded)
- IV. **Phylogeographic and Morphological Analysis of Botrylloides niger Herdman, 1886 from the Northeastern Mediterranean Sea**
Temiz B., Öztürk E., Blanchoud S., Karahan A.
DIVERSITY-BASEL, vol.15, no.3, 2023 (SCI-Expanded)
- V. **Seven ascidian (Tunicata) species from the North Eastern Mediterranean**
Karahan A., Temiz B., Öztürk E., Douek J., Rinkevich B.
Mediterranean Marine Science, vol.24, no.3, pp.545-557, 2023 (SCI-Expanded)
- VI. **16S rRNA DIVERSITY OF MIRROR LAKE IN GILINDIRE CAVE (TURKEY) SHOWS ABUNDANT NITROSPIRA**
Deliceirmak S., KARAHAN A.
JOURNAL OF CAVE AND KARST STUDIES, vol.84, no.3, pp.96-103, 2022 (SCI-Expanded)
- VII. **Quantifying an online wildlife trade using a web crawler**
Masters S., Anthoons B., Madesis P., Saroja S. G., Schermer M., Gerritsen W., Karahan A., Verdoes R., Schwallier R., Van Andel T., et al.
BIODIVERSITY AND CONSERVATION, vol.31, no.3, pp.855-869, 2022 (SCI-Expanded)
- VIII. **Stem Cells and Innate Immunity in Aquatic Invertebrates: Bridging Two Seemingly Disparate Disciplines for New Discoveries in Biology**
Ballarin L., KARAHAN A., Salvetti A., Rossi L., Manni L., Rinkevich B., Rosner A., Voskoboynik A., Rosental B., Canesi L., et al.
Frontiers in Immunology, vol.12, 2021 (SCI-Expanded)
- IX. **First record of non-indigenous Botrylloides anceps (Herdman, 1891) species along the Turkish Levantine Coasts, Confirmed by DNA Barcoding**
Öztürk E., Temiz B., Karahan A.
INVERTEBRATE SURVIVAL JOURNAL, vol.17, pp.30, 2020 (SCI-Expanded)
- X. **3rd general meeting and working group meetings of the COST Action 16203: STEM CELLS OF MARINE/AQUATIC INVERTEBRATES: FROM BASIC RESEARCH TO INNOVATIVE APPLICATIONS (MARISTEM), December 3, 2019, METU-Culture and Convention Center (METU-CCC), METU Ankara, T.**
Karahan A.
ISJ-Invertebrate Survival Journal, vol.17, pp.32-35, 2020 (SCI-Expanded)
- XI. **Phylogenetic and phylogeographic resolution of Botrylloides leachii (Savigny, 1816) in Northeastern Mediterranean**
Temiz B., Ozturk E., Karahan A.
ISJ-INVERTEBRATE SURVIVAL JOURNAL, vol.17, pp.29, 2020 (SCI-Expanded)
- XII. **Whole genome sequencing and gene editing via silencing RNA in some botryllid ascidians**
Ogul F. N., Karahan A.
ISJ-INVERTEBRATE SURVIVAL JOURNAL, vol.17, pp.26, 2020 (SCI-Expanded)
- XIII. **Metagenomics of the northeastern Mediterranean; cave and marine habitats**
KARAHAN A., KUCUKAVSAR S., GOKDAG K., KIDEYŞ A. E., TEMİZ B., OZTURK E.
ISJ-INVERTEBRATE SURVIVAL JOURNAL, vol.15, pp.109, 2018 (SCI-Expanded)
- XIV. **First record of the buccaneer anchovy Encrasicholina punctifer (Fowler, 1938) (Clupeiformes; Engraulidae) in the Mediterranean Sea, confirmed through DNA barcoding**
CIFTCI O., KARAHAN A., OREK Y. A. K., KIDEYŞ A. E.
JOURNAL OF APPLIED ICHTHYOLOGY, vol.33, no.3, pp.520-523, 2017 (SCI-Expanded)
- XV. **First record of the honeycomb stingray Himantura leoparda (Manjaji-Matsumoto & Last, 2008) (Myliobatoidei: Dasyatidae) in the Mediterranean Sea, confirmed by DNA barcoding**
Yucel N., Sakalli A., KARAHAN A.
JOURNAL OF APPLIED ICHTHYOLOGY, vol.33, no.3, pp.530-532, 2017 (SCI-Expanded)

- XVI. **Employing DNA barcoding as taxonomy and conservation tools for fish species censuses at the southeastern Mediterranean, a hot-spot area for biological invasion**
Karahan A., DOUEK J., PAZ G., STERN N., KIDEYŞ A. E., SHAİŞH L., Goren M., RİNKEVİCH B.
JOURNAL FOR NATURE CONSERVATION, vol.36, pp.1-9, 2017 (SCI-Expanded)
- XVII. **Integration of DNA barcoding for the initial recordings of Lessepsian fishes: a case study of the Indo-Pacific slender ponyfish *Equulites elongatus***
SAKINAN S., KARAHAN A., OK M.
JOURNAL OF FISH BIOLOGY, vol.90, no.3, pp.1054-1061, 2017 (SCI-Expanded)
- XVIII. **Population genetics features for persistent, but transient, *Botryllus schlosseri* (Urochordata) congregations in a central Californian marina**
KARAHAN A., Douek J., Paz G., Rinkevich B.
MOLECULAR PHYLOGENETICS AND EVOLUTION, vol.101, pp.19-31, 2016 (SCI-Expanded)
- XIX. **Karyotype analysis and chromosome banding of *Upeneus moluccensis* (Bleeker, 1855) from the north-eastern Mediterranean**
KARAHAN A.
CARYOLOGIA, vol.69, no.2, pp.141-146, 2016 (SCI-Expanded)
- XX. **Geometric morphometrics, Fourier analysis of otolith shape, and nuclear-DNA markers distinguish two anchovy species (*Engraulis* spp.) in the Eastern Mediterranean Sea**
Karahana A., Borsa P., GÜCÜ A. C., Kandemir I., Ozkan E., Orek Y. A., ACAN S. C., KOBAN E., TOGAN I.
FISHERIES RESEARCH, vol.159, pp.45-55, 2014 (SCI-Expanded)
- XXI. **Chromosomal differentiation between two populations of Catfish Clariidae *Clarias gariepinus* Valenciennes 1840 in the Göksu Delta and Orontes River Turkey**
KARAHAN A., ERGENE R. S.
Turkish Journal Of Biology, 2011 (SCI-Expanded)
- XXII. **Chromosomal differentiation between populations of *Clarias gariepinus* (Burchell, 1822) from the Goksu Delta and Orontes River (Turkey)**
KARAHAN A., Ergene S.
TURKISH JOURNAL OF BIOLOGY, vol.35, no.1, pp.79-87, 2011 (SCI-Expanded)
- XXIII. **Cytogenetic Analysis of *Garra variabilis* Heckel 1843 Pisces Cyprinidae from Savur Stream Mardin Turkey**
Karahana A., Ergene R. S.
TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, vol.10, pp.483-489, 2010 (SCI-Expanded)
- XXIV. **Cytogenetic analysis of *Pseudophoxinus antalyae*, Bogustkaya, 1992 (Pisces: Cyprinidae) from the Eastern Mediterranean River Basin, Turkey**
Ergene S., KARAHAN A., Kuru M.
TURKISH JOURNAL OF ZOOLOGY, vol.34, no.1, pp.111-117, 2010 (SCI-Expanded)
- XXV. **Cytogenetic Variation of Geographically Isolated Four Populations of *Garra rufa* [(Heckel, 1843) (Pisces, Cyprinidae)] in Turkey**
KARAHAN A., Ergene S.
CARYOLOGIA, vol.62, no.4, pp.276-287, 2009 (SCI-Expanded)
- XXVI. **Monitoring of nuclear abnormalities in peripheral erythrocytes of three fish species from the Goksu Delta (Turkey): genotoxic damage in relation to water pollution**
Ergene S., Cavas T., Celik A., Koleli N., Kaya F., Karahan A.
ECOTOXICOLOGY, vol.16, pp.385-391, 2007 (SCI-Expanded)
- XXVII. **Effects of different long-day photoperiods on somatic growth and gonadal development in Nile tilapia (*Oreochromis niloticus* L.)**
Rad F., Bozaoglu S., Gozukara S., Karahan A., Kurt G.
AQUACULTURE, vol.255, pp.292-300, 2006 (SCI-Expanded)

Articles Published in Other Journals

- I. **Phylogeographic resolution of the barnacle (*Chelonibia testudinaria*) from the north-eastern mediterranean loggerhead sea turtles epibiont community**
Beden E., KARAHAN A.
Genetics of Aquatic Organisms, vol.5, no.1, pp.1-8, 2021 (Scopus)
- II. **CoCoNet: TOWARDS COAST TO COAST NETWORKS OF MARINE PROTECTED AREAS (FROM THE SHORE TO THE HIGH AND DEEP SEA), COUPLED WITH SEA-BASED WIND ENERGY POTENTIAL**
Özyurt Tarakcioğlu G., Boero F., Fogliani F., Frascchetti S., Goriup P., Macpherson E., Planes S., Soukissian T., Adiloğlu B., Gween C., et al.
SCIRES-IT-SCIENTIFIC RESEARCH AND INFORMATION TECHNOLOGY, vol.6, pp.1-95, 2016 (ESCI)
- III. **EDITORIAL. A SUPPLEMENT OF SCIRES-IT ON COCONET EUROPEAN PROJECT**
Boero F., Valzano V., Bartolomei C.
SCIRES-IT-SCIENTIFIC RESEARCH AND INFORMATION TECHNOLOGY, vol.6, 2016 (ESCI)
- IV. **Determination Genetic Effect of Methamidophos on *Clarias lazera* Valenciennes 1840 Erythrocyte by Micronucleus Test**
ERGENE R. S., ÇAVAŞ T., KARAHAN A., PORTAKAL E.
Journal of Gazi Education Faculty, 1999 (Peer-Reviewed Journal)
- V. **Karyologic analyses of *Tilapia rendalli* Boulenger 1897 Pisces Cichlidae**
ERGENE R. S., KARAHAN A.
Journal of Gazi Education Faculty, 1999 (Peer-Reviewed Journal)
- VI. **Karyological Analysis and body proportion of Catfish Clariidae *Clarias lazera* Valenciennes 1840 in Göksu Delta Turkey**
ERGENE R. S., Portakal E., KARAHAN A.
Turkish Journal of Zoology, 1999 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **The connection between Sea of Marmara biodiversity and mucilage occurrence incidence**
Karahan A., Deliceirmak S., Esti M., Kalkan Tezcan E., Öztürk E., Örek H.
8th Ecology and Evolutionary Biology Symposium 7-9 September 2022, Ankara, Turkey, Ankara, Turkey, 7 - 09 September 2022, pp.30
- II. **Screening of Potential Cutinase-Producing Clones in Metagenomic Libraries Constructed Using DNA Extracted from Microplastics**
ŞEN F., CİLMELİ S., TUNÇER M., DORUK T., KÖNEN ADIGÜZEL S., KIDEYŞ A. E., KARAHAN A., ADIGÜZEL A. O.
2nd International Conference on Applied Engineering and Natural Sciences, Konya, Turkey, 10 - 13 March 2022
- III. **Inhibitors of apoptosis proteins (IAPs) family function in *Botryllus schlosseri* whole body regeneration**
KARAHAN A., Rosner A., Rinkevich B.
3rd MARISTEM MEETINGMETU-Ankara, TURKIYE, 3rd -5th December 2019, 3 - 05 December 2019
- IV. **Phylogeographic resolution of *Botrylloides leachii* (Savigny, 1816) from the North-eastern Mediterranean Sea**
Temiz B., Öztürk E., Karahan A.
Ecology and Evolutionary Biology, Ankara, Turkey, 10 - 12 July 2019, pp.42
- V. **First record of non-indigenous *Botrylloides anceps* (Herdman, 1891) species along the Turkish Levantine Coasts, Confirmed by DNA Barcoding**
Öztürk E., Temiz B., Karahan A.
Ecology and Evolutionary Biology Symposium 2019, Ankara, Turkey, 10 - 12 July 2019, pp.64
- VI. **Levanti Baseninde Nitrifikasyon ve Azot Fiksasyonu: Zaman Serisi Çalışması.**
Ibello V., Küçükavşar S., Karahan A., Örek H., Arkin Ş. S., Salihoğlu B.

- III. Ulusal Deniz Bilimleri Konferansı, İzmir, Turkey, 9 - 12 May 2018
- VII. **Metataxonomics for the Micro-plastic and other Particle Attached Habitats in the Northeastern Mediterranean Sea**
Küçükavşar S., Gökdağ K., KIDEYŞ A. E., KARAHAN A.
5th ECOLOGY AND EVOLUTIONARY BIOLOGY SYMPOSIUM, İzmir, Turkey, 18 - 20 July 2018, pp.9
- VIII. **Kuzey Dogu Levant Baseni'nin Prokaryotik Biyolojik Cesitliginin 16S RRNA Amplikon Dizileme Yontemi Ile Arastirilmesi- Oncul Sonuclar.**
Küçükavşar S., KARAHAN A., ARKIN Ş. S., SALİHOĞLU B.
III. Ulusal Deniz Bilimleri Konferansı, İzmir, Turkey, 9 - 12 May 2018
- IX. **Caretta caretta Epibiyontlarından Deniz Voklancıklarının (Chelonibia testudinaria) Filocoğrafik Analizi**
KIDEYŞ E., KARAHAN A.
V. ULUSAL DENİZ KAPLUMBAĞALARI SEMPOZYUMU, Turkey, 6 - 08 December 2017
- X. **Doğu Akdeniz Deniz Kaplumbağaları Populasyonlarının Genetik Yapısı**
Oğul F. N., KARAHAN A., BETON SNAPE D., CANBOLAT A. F., SÖNMEZ B., SNAPE R., KIDEYŞ A. E., ÖZKAN K.
V. ULUSAL DENİZ KAPLUMBAĞALARI SEMPOZYUMU, Turkey, 6 - 08 December 2017
- XI. **Genetic structure of the breeding Audouin's gull (Larus audouinii) in the Mediterranean**
YAPAN B. Ç., PERKTAŞ U., KARAHAN A., ORO d., GUİNART M., ÖZKAN K.
41. Waterbirds Congress, 8 - 12 August 2017
- XII. **Exploring Marine Microbial Community Structure Using 16S rRNA Amplicon Sequencing: First results to understand their role in the oligotrophic marine ecosystem**
KÜÜÇÜKAVŞAR S., KARAHAN A., ARKIN S.
4th Ecology and Evolutionary Biology symposium, 11 - 13 July 2017
- XIII. **KUZEYDOĞU AKDENİZ'DEKİ İKİ KIYI BİTKİ TÜRÜNÜN (Posidonia oceanica ve Pancratium maritimum) DNA BARKOD VE GENETİK ÇEŞİTLİLİK ANALİZLERİ**
Çiftçi O., KARAHAN A., TUTAR Ö., AYTAÇOĞLU H., KIDEYŞ A. E.
I. ULUSAL DENİZLERDE İZLEME VE DEĞERLENDİRME SEMPOZYUMU, Turkey, 21 - 23 December 2016
- XIV. **İSTİLA, KORUMA ve DNA BARKODLAMA**
KARAHAN A., Douek J., Paz G., Stern N., KIDEYŞ A. E., Shaish L., Goren M., Rinkevich B.
I. ULUSAL DENİZLERDE İZLEME VE DEĞERLENDİRME SEMPOZYUMU, Turkey, 21 - 23 December 2016
- XV. **DENİZLERDEKİ MİKROBİYAL DÖNGÜLERİN GENETİK YAKLAŞIMLAR KULLANILARAK ARAŞTIRILMASI**
Küçükavşar S., Arkn Ş. S., KARAHAN A., SALİHOĞLU B.
I. ULUSAL DENİZLERDE İZLEME VE DEĞERLENDİRME SEMPOZYUMU, Turkey, 21 - 23 December 2016
- XVI. **Present and previous genetics studies of the Middle East Technical University, Institute of Marine Sciences**
KARAHAN A.
2nd HYDROGENCONNECT Workshop, 12 - 13 October 2016
- XVII. **Status and structure of breeding gull populations in North eastern Mediterranean island**
YAPAN B. Ç., PERKTAŞ U., KARAHAN A., ORO D., ÖZKAN K.
3rd Ecology and Evolutionary Biology Symposium, 31 August - 01 October 2016
- XVIII. **Genetic analysis of north eastern Mediterranean populations of green sea turtle and loggerhead sea turtle**
Oğul F. N., Karahan A., BETON SNAPE D., CANBOLAT A. F., SÖNMEZ B., Snape R., KIDEYŞ A. E., ÖZKAN K.
III. Ecology and Evolutionary Biology Symposium, 31 August - 01 September 2016
- XIX. **Genetic analysis of North-Eastern Mediterranean populations of green sea turtle and loggerhead sea turtle**
OĞUL F. N., KARAHAN A., BETON SNAPE D., CANBOLAT A. F., SÖNMEZ B., SNAPE R., KIDEYŞ A. E., ÖZKAN K.
3rd Ecology and Evolutionary Biology Symposium, 31 August - 01 September 2016
- XX. **ADA MARTISI (Larus audouinii) DOĞU AKDENİZ POPÜLASYONLARINININ YAKIN DÖNEMLİ DEĞİŞİKLİKLERİNİN GENETİK YÖNTEMLER KULLANILARAK ANLAŞILMASI**
YAPAN B. Ç., PERKTAŞ U., KARAHAN A., Oro D., ÖZKAN K.

TürkiyeDeniz Bilimleri Konferansı, Turkey, 31 May - 03 June 2016

- XXI. **DENİZLERDEKİ MİKROBİYAL REAKSİYONLARIN YENİYAKLAŞIMLAR KULLANILARAK ARAŞTIRILMASI: GENETİK, BİYOJEOKİMYA VE MODELLEME**
Küçükavşar S., Arkin Ş. S., Salihoğlu B., Karahan A., Ibello V.
TürkiyeDeniz Bilimleri Konferansı, Ankara, Turkey, 31 May - 03 June 2016
- XXII. **MARMARA, EGE VE AKDENİZ BİYOÇEŞİTLİLİĞİNİN DNABARKODLAMA İLE TESPİTİ VE DEĞERLENDİRMESİ**
Çiftçi O., KARAHAN A., KIDEYŞ A. E.
TürkiyeDeniz Bilimleri Konferansı2016, Turkey, 31 May - 03 June 2016
- XXIII. **YEŞİL DENİZ KAPLUMBAĞASI VE İRİBAŞ DENİZ KAPLUMBAĞASININKUZEYDOĞU AKDENİZ POPULASYONLARININ GENETİK ANALİZİ**
Oğul F. N., KARAHAN A., BETON SNAPE D., CANBOLAT A. F., SÖNMEZ B., SNAPE R., KIDEYŞ A. E., ÖZKAN K.
TürkiyeDeniz Bilimleri Konferansı, Turkey, 31 May - 03 June 2016
- XXIV. **Caretta caretta KAPLUMBAĞALARININ KABUĞUNDA YAŞAYAN DENİZVOLKANCIKLARININ (Chelonibia testudinaria) FİLOCOĞRAFİK ANALİZİ**
KIDEYŞ E., KARAHAN A.
TürkiyeDeniz Bilimleri Konferansı 2016, Turkey, 31 May - 03 June 2016
- XXV. **Yeşil deniz kaplumbağası ve iribaş deniz kaplumbağasının kuzeydoğu Akdeniz populasyonlarının genetik analizi.**
ÖZKAN K., Oğul F. N., KARAHAN A., BETON SNAPE D., CANBOLAT A. F., KIDEYŞ A. E., SÖNMEZ B.
Türkiye Deniz Bilimleri Konferansı, 31 May 2016
- XXVI. **Denizlerdeki Mikrobiyal Reaksiyonların Yeni Yaklaşımları kullanılarak Araştırılması: Genetik biyokimya ve Modelleme**
Küçükavşar S., Arkin Ş. S., Salihoğlu B., Karahan A., Ibello V.
Türkiye Deniz Bilimleri Konferansı, Ankara, Turkey, 31 May - 03 June 2016
- XXVII. **Denizlerdeki Mikrobiyal Döngülerin Genetik Yaklaşımlar kullanılarak Araştırılması**
Küçükavşar S., ARKIN Ş. S., Karahan A., SALİHOĞLU B.
I.Ulusal Denizlerde İzleme Ve Degerlendirme Sempozyumu, Turkey, 1 January - 31 December 2016
- XXVIII. **Status and Population Structure of Audo- uin's Gull (Larus audounii) Population in the North East Mediterranean and Its Relation with West Mediterranean Population.**
YAPAN B. Ç., ÖZKAN K., KARAHAN A.
2nd HYDROGEN- CONNECT Workshop. Erdemli, 01 January 2016
- XXIX. **DNA barcodes of the Levantine basin fish species**
KARAHAN A., Douek J., Paz G., Stern N., KIDEYŞ A. E., Shaish L., Goren M., Rinkevich B.
PERSEUS Final Scientific Conference. 7-9 December 2015, the Royal Flemish Academy of Belgium for Science and the Arts (KVAB) in Brussels, Belgium, 7 - 09 December 2015
- XXX. **Population genetics features of an invasive Tunicate time series samples in a central Californian marina**
KARAHAN A., Douek J., Paz G., Rinkevich B.
Ecology and Evolutionary Biology Symposium Turkey (EEBST), 6 - 07 August 2015
- XXXI. **Initiating the DNA barcoding of the Levant s marine biodiversity PERSEUS General Assembly GA**
Paz G., YUDKOVSKY Y., Douek J., ISRAEL A., LUBİNEVSKY H., KARAHAN A., RİNKEVİCH B.
Meeting and the Scientific Workshop (SWS) in Marrakech., 1 - 04 December 2014
- XXXII. **Utilization of the DNA Barcoding Tool for Fish Species from the Levantine Basin Mediterranean marine biodiversity in view of climate change and the invasion of alien species**
KARAHAN A., Douek J., Paz G., Stern N., KIDEYŞ A. E., Shaish L., MENACHEN G., RİNKEVİCH B.
international conference, HCMR, Heraklion Chamber, Heraklion, Crete, Greece, 7 - 09 October 2013
- XXXIII. **Barcoding of the Marine Biota in the Levantine Basin Mol Tools International Workshop on Molecular Tools for Monitoring Marine Invasive Species**
KARAHAN A., Douek J., Paz G., KIDEYŞ A. E., Rinkevich B.
Mol-Tools International Workshop on Molecular Tools for Monitoring Marine Invasive Species Lecce, Italy, 12-14

September 2012 organized by CoNiSma, 12 - 14 September 2012

- XXXIV. **Two Distinct Anchovy Forms from the North Eastern Mediterranean Inferred by the Analyses of Geometric Morphometry Otolith Fourier Creatin Kinase Loci and Microsatellites**
KARAHAN A., Borsa P., GÜCÜ A. C., KANDEMİR İ., ÖZKAN ÜNAL E., Ak örek Y., Acan S. C., Koban E., Togan İ.
Species assemblages, dispersal and connectivity Workshop, Synthesis on knowledge on genetic connectivity in Mediterranean and Black Sea, June 11-13th, 2012 Institut d'Estudis Catalans, Barcelona, Spain, 11 - 13 June 2012
- XXXV. **A method for Karyological Analyses of Rutilus tricolor Lortet 1883 Pisces Cyprinidae from the South Mediterranean fresh water**
ERGENE R. S., KARAHAN A., KURU M.
XVI. National Biology Congress, 4-7. September, s.88 Malatya-Turkey, Turkey, 4 - 07 September 2002
- XXXVI. **Feeding features of Clarias lazera Valenciennes 1840 living in the Akgöl Paradaniz Lagoon of Göksu Delta**
KARAHAN A., ERGENE R. S., Portakal E.
X. National Aquaculture Symposium, 22-24. September, Volume II, 452-463 Adana-Turkey, Turkey, 22 - 24 September 1999
- XXXVII. **Previous study on changes of metric and meristic characters of Clarias lazera Valenciennes 1840 live in two different locality**
ERGENE R. S., YALÇIN ÖZDİLEK Ş., KARAHAN A.
III. National Aquaculture Symposium, 10-12. June, 569-575, Erzurum, Turkey, 10 - 12 June 1998

Supported Projects

Karahan A., Keskin E., TUBITAK Project, Tr.Aqua: Gıda Arzı Güvenliği Çerçevesinde Su Ürünlerinde Yenilikçi Ve Sürdürülebilir Uygulamalar, 2023 - 2027

Akoğlu E., Salihoğlu B., Gücü A. C., Başdurak N. B., Karahan A., H2020 Project, Advancing Black Sea Research and Innovation to Co-Develop Blue Growth within Resilient Ecosystems, 2021 - 2025

Salihoğlu B., Yücel M., Şahin Yücel E., Ibello V., Akoğlu E., Örek H., Ok M., Karahan A., Uysal Z., Sürücü B., et al., H2020 Project, BRIDGE-BS: Advancing Black Sea Research and Innovation to Co-Develop Blue Growth within Resilient Ecosystems , 2021 - 2025

Karahan A., Rossi S., TÜBİTAK - AB COST Project, Marine Animal Forest of the world (MAF-WORLD), 2021 - 2025

Karahan A., Örek H., Deliceirmak S., TUBITAK Project, Marmara Denizi'nde Oluşan Müsilajın Kaynağının ve Barındırdığı Organizma Gruplarının 16S Amplikon dizileme ve Metabarkodlama Metotları ile Araştırılması, 2021 - 2023

KARAHAN A., OĞUL F. N., Project Supported by Higher Education Institutions, Akdeniz'deki bazı botryllidlerin immunohistokimyasal analizi, 2021 - 2023

Karahan A., Vernesi C., TÜBİTAK - AB COST Project, Genomic Biodiversity Knowledge for Resilient Ecosystems, 2019 - 2023

IBELLO V., KÜÇÜKAVŞAR S., KARAHAN A., Project Supported by Higher Education Institutions, Discovering the diversity and functionality of diazotrophs in the East Mediterranean Sea (DIAZOGENE), 2017 - 2022

KARAHAN A., SALİHOĞLU B., ZENGİNER YILMAZ A., Project Supported by Higher Education Institutions, Kuzeydoğu Akdeniz Botryllid tulumularının (Ascidians) moleküler teknikler kullanılarak tanımlanması ve karşılaştırılması, 2018 - 2021

Karahan A., Ballarin ., H2020 Project, Stem cells of marine/aquatic invertebrates: from basic research to innovative applications, 2017 - 2021

Karahan A., Arslan Ergül A., TUBITAK Project, Van Gölü İnci Kefali Genom Projesi Kapsamında İnci Kefali Balığının (Chalcalburnus tarichi) Genom ve Transkriptom Düzeylerinde Karakterizasyonu, 2018 - 2020

SALİHOĞLU B., ÖZHAN K., AKÇAY İ., KARAHAN A., UYSAL Z., AKOĞLU E., TUĞRUL S., GÜCÜ A. C., KIDEYŞ A. E., YÜCEL M., et al., Project Supported by Higher Education Institutions, Erdemli Zaman Serisi Deniz Araştırmaları 2018, 2018 - 2019
Salihoğlu B., Karahan A., TUBITAK Project, Denizlerdeki mikrobiyal reaksiyonların yeni yaklaşımlar kullanılarak araştırılması genetik biyojeokimya ve modelleme TUBITAK 1001 115Y629, 2016 - 2019

ÖZKAN K., KARAHAN A., OĞUL F. N., Karahan A., KIDEYŞ A. E., ZENGİNER YILMAZ A., Project Supported by Higher

Education Institutions, Yeşil Deniz Kaplumbağası, İribaşlı Deniz Kaplumbağası ve Nil Nehir Kaplumbağasının Kuzey-Doğu Akdeniz Popülasyonlarının R35 Intron gen bölgesi kullanılarak incelenmesi, 2016 - 2019

Kıdeyş A. E., Özhan K., Karahan A., Yılmaz M., Güven O., TUBITAK Project, MİKROPLASTİK PARTİKÜLLERİN VE PLASTİK KATKISI OLAN BİSFENOL A ORGANİK BİLEŞİĞİNİN MERSİN KÖRFEZİ NDE DAĞILIM GÖSTEREN BAZI ZOOPLANKTON TÜRLERİ ÜZERİNE ETKİLERİNİN BELİRLENMESİ, 2016 - 2018

Salıhoğlu B., Kıdeyş A. E., Özhan K., Karahan A., Yılmaz M., TUBITAK Project, Bisfenol A" Organik Bileşiminin Mersin Körfezi'xxnde Dağılım Gösteren Bazı Zooplankton Türleri Üzerine Etkilerinin Belirlenmesi, 2015 - 2018

KIDEYŞ A. E., TUBITAK Project, Karadeniz Zooplanktonunda Hızlı Tu r Tayini için bir Yöntem TUBITAK 1001 113Y179, 2014 - 2017

KARAHAN A., TUBITAK Project, Kaplumbağaların kabuğuna yapışık yaşayan deniz volkancığının barnacle genetiğinin çalışılarak Caretta caretta nın göç yollarının belirlenmesi TUBITAK 2209 A Üniversite Öğrencileri Yurt İçi Araştırma Projeleri Destek Programı 2015, 2014 - 2015

KARAHAN A., TUBITAK Project, Kuzeydoğu Akdeniz de taksonomik olarak problemlili bazı Teleost ların sitogenetik ve morfometrik Analizi 2218 TUBITAK Yurt İçi Doktora Sonrası Araştırma Burs Programı 2010, 2010 - 2011

Activities in Scientific Journals

FRONTIERS IN MARINE SCIENCE, Article Editor, 2023 - Continues

GenAqua, Assistant Editor/Section Editor, 2021 - 2021

Memberships / Tasks in Scientific Organizations

Member, 2013 - Continues

Scientific Refereeing

TUBITAK Project, 1002 - Quick Support Program, Middle East Technical University, Turkey, November 2023

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, November 2023

FRONTIERS IN MICROBIOLOGY, Journal Indexed in SCI-E, October 2023

TUBITAK Project, 1002 - Quick Support Program, Middle East Technical University, Turkey, October 2023

TUBITAK Project, 1002 - Quick Support Program, Middle East Technical University, Turkey, September 2023

TUBITAK Project, 1002 - Quick Support Program, Middle East Technical University, Turkey, July 2023

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, June 2023

ESTUARIES AND COASTS, Journal Indexed in SCI-E, March 2023

INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, Journal Indexed in SCI-E, March 2023

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, March 2023

FISHES, Journal Indexed in SCI-E, January 2023

TUBITAK Project, 1002 - Quick Support Program, Middle East Technical University, Turkey, January 2023

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, December 2022

Project Supported by Higher Education Institutions, BAP Research Project, Middle East Technical University, Turkey, December 2022

TUBITAK Project, 1002 - Quick Support Program, Middle East Technical University, Turkey, November 2022

JOURNAL FOR NATURE CONSERVATION, Journal Indexed in SCI-E, October 2022

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical

University, Turkey, October 2022

COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY, PART C, Journal Indexed in SCI-E, September 2022

Project Supported by Higher Education Institutions, BAP MSc, Middle East Technical University, Turkey, September 2022

Project Supported by Higher Education Institutions, BAP MSc, Middle East Technical University, Turkey, September 2022

Project Supported by Higher Education Institutions, BAP PhD, Middle East Technical University, Turkey, September 2022

MARINE ECOLOGY - PROGRESS SERIES, Journal Indexed in SCI-E, August 2022

Project Supported by Higher Education Institutions, BAP Research Project, Middle East Technical University, Turkey, August 2022

TUBITAK Project, 1002 - Quick Support Program, Middle East Technical University, Turkey, August 2022

TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey, May 2022

FRONTIERS IN MARINE SCIENCE, Journal Indexed in SCI-E, April 2022

TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, Journal Indexed in SCI-E, March 2022

genAqua, Other Indexed Journal, August 2021

TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, Journal Indexed in SCI-E, July 2021

TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, Journal Indexed in SCI-E, May 2021

MARINE BIOLOGY RESEARCH, SCI Journal, March 2021

MEDITERRANEAN MARINE SCIENCE, Journal Indexed in SCI-E, July 2020

SCIENCE OF THE TOTAL ENVIRONMENT, SCI Journal, January 2020

TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, Journal Indexed in SCI-E, August 2019

MOLECULAR ECOLOGY RESOURCES, SCI Journal, May 2019

MOLECULAR ECOLOGY RESOURCES, Journal Indexed in SCI-E, May 2019

Project Supported by Higher Education Institutions, BAP Research Project, Middle East Technical University, Turkey, January 2019

SCIENCE OF THE TOTAL ENVIRONMENT, SCI Journal, July 2018

Molecular Ecology Resources, SCI Journal, July 2018

FRONTIERS IN ECOLOGY AND EVOLUTION, SCI Journal, April 2018

Bmc Evolutionary Biology, SCI Journal, March 2018

Civil Society Organizations of Other Countries Supported Project, National Geographic Society, United States Of America, May 2017

Scientific Consultations

Türkiye Büyük Millet Meclisi, Scientific Consultancy, Middle East Technical University, Institute of Marine Sciences, Marine Biology and Fisheries, Turkey, 2021 - 2022

Tasks In Event Organizations

Karahan A., 16th The International Symposium on Health Informatics and Bioinformatics, Scientific Congress, Turkey, Ekim 2023

Aydın Son Y., Karahan A., Otlu Sarıtaş B., TOHUMCU B. E., 15 th International Symposium on Health Informatics and Bioinformatics, Scientific Congress, Mersin, Turkey, Ekim 2022

Karahan A., 3. MARISTEM meeting, CA16203 COST Action, Workshop Organization, Ankara, Turkey, Aralık 2019

Karahan A., Ecology and Evolutionary Biology Symposium 2019, Scientific Congress, Ankara, Turkey, Temmuz 2019

Scientific Research / Working Group Memberships

Marine invertebrate stem cell, ORTA DOĞU TEKNİK ÜNİVERSİTESİ, Turkey, <http://maristem.eu/>, 2017 - Continues

Mobility Activity

Other, Scientific Research, The University of Haifa, Israel, 2020 - 2020

Other, Scientific Research, Universite de Fribourg, Switzerland, 2019 - 2019

Other, Scientific Research, The University of Haifa, Israel, 2018 - 2018

Metrics

Publication: 81

Citation (WoS): 402

Citation (Scopus): 441

H-Index (WoS): 8

H-Index (Scopus): 9

Congress and Symposium Activities

THE FIRST HYBRID (IN PRESENCE + VIRTUAL) MEETING OF THE CA20102 MAF-WORLD BREMEN-ZMT, Working Group, Bremen, Germany, 2022

Stem cells of marine/aquatic invertebrates: from basic research to innovative applications, Working Group, Ljubljana, Slovenia, 2022

METU-IMS SCIENTIFIC WEBINAR SERIES, Moderator, Mersin, Turkey, 2021

Second Aegean Seminars for Computational Ecology and Evolution , Invited Speaker, Ankara, Turkey, 2021

"International Molecular Biology and Genetics Application Areas Symposium for Students, Invited Speaker, Lefkoşa, Cyprus (Kktc), 2021

COST Action CA18134, COST Association Genomic Biodiversity Knowledge for Resilient Ecosystems, Working Group, Sarajevo, Bosnia And Herzegovina, 2019

Evolution-Speciation and phylogeny, Invited Speaker, Lefkoşa, Cyprus (Kktc), 2019

Evolution, Invited Speaker, Lefkoşa, Cyprus (Kktc), 2019

Evolution, Invited Speaker, Lefkoşa, Cyprus (Kktc), 2019

Aykut Kence Evolutionary Conference, Invited Speaker, Ankara, Turkey, 2019

[COST] Action CA16203 Meeting, MARISTEM. Stem cells of marine invertebrates: from basic research to innovative applications, Working Group, Banyuls-Sur-Mer, France, 2018

5th ECOLOGY AND EVOLUTIONARY BIOLOGY SYMPOSIUM 18 -20 July 2018, İzmir TURKEY, Working Group, İzmir, Turkey, 2018

Speciation and Phylogeny, Invited Speaker, Lefkoşa, Cyprus (Kktc), 2018

Mutation and Variation, Invited Speaker, Lefkoşa, Cyprus (Kktc), 2018

Evolutionary thought, Invited Speaker, Lefkoşa, Cyprus (Kktc), 2018

[COST] Action CA16203 Meeting, MARISTEM. Stem cells of marine invertebrates: from basic research to innovative applications, Working Group, Piran, Slovenia, 2018

Invited Talks

Aging, Regeneration and Marine Stem Cell, Seminar, Çemberlitaş Anadolu Lisesi, Turkey, December 2023

Yaşlanma, Onarım ve Denizel Kök hücre, Seminar, İto Hüma Hatun İmam Hatip Ortaokulu, Turkey, December 2023

Yaşlanma, Onarım ve Denizel Kök hücre, Seminar, Bahadır Demir Ortaokulu, Turkey, December 2023

"International Molecular Biology and Genetics Application Areas Symposium for Students, Seminar, Yakın Doğu Üniversitesi, Kıbrıs, Turkey, April 2021

AEGEAN SEMINARS FOR COMPUTATIONAL ECOLOGY AND EVOLUTION - 2021, Seminar, Izmir Institute of Technology ,

Turkey, April 2021

Yaşlanma, Onarım ve Denizel Kök Hücre, Seminar, Ekoloji ve Evrimsel Biyoloji, Turkey, June 2020

Non Academic Experience

Grand National Assembly of Turkey Grand National Assembly, TBMM , TBMM Müsilaj komisyonu

ORTA DOĞU TEKNİK ÜNİVERSİTESİ, DENİZ BİLİMLERİ ENSTİTÜSÜ

IOLR-BİYOTEKNOLOJİ

ORTA DOĞU TEKNİK ÜNİVERSİTESİ, DENİZ BİLİMLERİ ENSTİTÜSÜ

ÖZEL EĞİTİM KURUMLARI

MİLLİ EĞİTİM BAKANLIĞI

ÖZEL EĞİTİM KURUMU

MİLLİ EĞİTİM BAKANLIĞI