

## Assoc. Prof. Gülşah SAÇ

### Personal Information

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### International Researcher IDs

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### Education Information

Doctorate, Istanbul University, Institute of Graduate Studies In Sciences, Fen Fakültesi Bölümü, Turkey 2010 - 2017

Postgraduate, Istanbul University, Institute of Graduate Studies In Sciences, Su Ürünleri Bölümü, Turkey 2007 - 2010

Undergraduate Double Major, Istanbul University, Faculty Of Science, Department of Biology, Turkey 2003 - 2007

Undergraduate, Istanbul University, Faculty of Aquatic Sciences, Department of Marine and Freshwater Resources Management, Turkey 2002 - 2007

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, THE DISTRIBUTION OF FISHES IN THE ISTRANCA STREAM (İSTANBUL) AND THE BIOECOLOGICAL CHARACTERISTICS OF TWO SPECIES, Istanbul University, Faculty Of Science, Department of Biology, 2017

Postgraduate, GROWTH AND REPRODUCTION OF PRUSSIAN CARP *Carassius gibelio* (BLOCH, 1782) IN BÜYÜKÇEKMECE DAM LAKE, Istanbul University, Faculty of Aquatic Sciences, Department of Marine and Freshwater Resources Management, 2010

### Research Areas

Natural Sciences

### Academic Titles / Tasks

Associate Professor, Istanbul University, Faculty of Science, Department of Biology, 2022 - Continues

### Courses

Balıklarda Beslenme Ekolojisi, Postgraduate, 2023 - 2024

Energy Flows in the Ecosystems and Sustainable Energy Systems, Doctorate, 2022 - 2023

Tatlısu Ekosistemlerinde Arazi ve Laboratuvar Çalışmaları, Postgraduate, 2023 - 2024

Wetlands and Ecosystem Services, Undergraduate, 2022 - 2023

Lake Restoration, Doctorate, 2022 - 2023

Invasion Ecology in Freshwaters, Undergraduate, 2022 - 2023

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Low Genetic and Parasite Diversity of Invasive Pumpkinseed <i>Lepomis gibbosus</i> (Centrarchidae) Expanding in Türkiye**  
Kvach Y., Tkachenko M. Y., Giannetto D., Mic R., Bartakova V., AĞDAMAR S., Saç G., Oezulug M., Tarkan A. S., Ondrackova M.  
DIVERSITY-BASEL, vol.16, no.5, 2024 (SCI-Expanded)
- II. **Population Genetic Structure of <i>Petroleuciscus borysthenicus</i> (Kessler 1859) in Northwestern Türkiye Using Mitochondrial COX1 Gene**  
AĞDAMAR S., SAÇ G., ACAR Ü., GAYGUSUZ Ö., Dogac E., ÖZULUĞ M.  
JOURNAL OF APPLIED ICHTHYOLOGY, vol.2024, 2024 (SCI-Expanded)
- III. **How do environmental variables affect the temporal dynamics of zooplankton functional groups in a hyper-eutrophic wetland?**  
Dorak Z., Köker Demo L., Gürevin C., Saç G.  
Environmental Science and Pollution Research, vol.30, no.43, pp.97115-97127, 2023 (SCI-Expanded)
- IV. **Trophic Niche of Four Oxynoemacheilus Species (Teleostei: Nemacheilidae) in the Different River Basins (Western Türkiye) during the spring**  
Saç G., Gaygusuz Ö., Dorak Z.  
Russian Journal of Ecology, vol.54, no.4, pp.338-346, 2023 (SCI-Expanded)
- V. **Fishes Encountered in the Turkish Thrace River Systems (NW Turkey)**  
Özuluğ M., Gaygusuz Ö., Gaygusuz Ç. G., Kaya N., Saç G.  
Inland Water Biology, vol.16, no.2, pp.341-356, 2023 (SCI-Expanded)
- VI. **Assessing Some Bio-ecological Metrics Related to the Growth and Diet of Invasive Gambusia holbrooki in Different Habitats (lotic vs. lentic) of an Island Ecosystem (Gökçeada, Turkey)**  
AĞDAMAR S., SAÇ G., GAYGUSUZ Ö.  
Russian Journal of Ecology, vol.54, no.2, pp.156-164, 2023 (SCI-Expanded)
- VII. **Diet and Feeding Ecology of the Invasive Gambusia holbrooki (Teleostei: Poeciliidae) in Lotic and Lentic Habitats (Northwestern Part of Turkey)**  
SAÇ G.  
Inland Water Biology, vol.16, no.2, pp.330-340, 2023 (SCI-Expanded)
- VIII. **The ichthyofaunal diversity of freshwater ecosystems in Gokceada Island (NW Turkey) under the pressure of nonnative species**  
AĞDAMAR S., Saç G., GAYGUSUZ Ö., Dogac E., ACAR Ü., Gaygusuz C. G., ÖZULUĞ M.  
TURKISH JOURNAL OF ZOOLOGY, vol.45, no.7, pp.570-578, 2021 (SCI-Expanded)
- IX. **Life history pattern and feeding habits of Gobio bulgaricus (Drensky, 1926) (Pisces: Gobionidae) in an endorheic stream (Istranca Stream, Turkey)**  
Saç G., Ozulug M.  
IRANIAN JOURNAL OF FISHERIES SCIENCES, vol.19, no.1, pp.248-261, 2020 (SCI-Expanded)
- X. **New Distribution Areas of Four Invasive Freshwater Fish Species from Turkish Thrace**  
Ozulug M., Gaygusuz Ö., Gaygusuz C. G., Saç G.  
TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, vol.19, no.10, pp.837-845, 2019 (SCI-Expanded)
- XI. **Pseudophoxinus cilicicus, a new spring minnow from southern Anatolia (Teleostei: Leuciscidae)**  
Saç G., Ozulug M., GEIGER M. F., Freyhof J.  
ZOOTAXA, vol.4671, no.1, pp.105-118, 2019 (SCI-Expanded)

- XII. **Length-weight relationship of seven freshwater fish species from Turkish Thrace**  
Sac G., Gaygusuz O., Gaygusuz C. G., Ozulug M.  
JOURNAL OF APPLIED ICHTHYOLOGY, vol.35, no.3, pp.808-811, 2019 (SCI-Expanded)
- XIII. **Bio-Ecological Traits of Western Tubenose Goby *Proterorhinus semilunaris* (Heckel, 1837): A Key to Understand Its Invasion Success**  
Sac G.  
WATER, vol.11, no.6, 2019 (SCI-Expanded)
- XIV. **New records of *Pseudophoxinus firati* from Turkey (Teleostei: Leuciscidae)**  
Sac G., Ozulug M., Elp M., Gaffaroglu M., Unal S., Ayata M. K., KAYA C., Freyhof J.  
JOURNAL OF APPLIED ICHTHYOLOGY, vol.35, no.3, pp.769-774, 2019 (SCI-Expanded)
- XV. **Length-weight relationship of 16 fish species belonging to genus *Pseudophoxinus* (Teleostei: Leuciscidae) from Turkish inland waters**  
Sac G., Ozulug M.  
JOURNAL OF APPLIED ICHTHYOLOGY, vol.34, no.6, pp.1335-1339, 2018 (SCI-Expanded)
- XVI. **Neotype designation of *Aphanius iconii*, first reviser action to stabilise the usage of *A. fontinalis* and *A. meridionalis* and comments on the family group names of fishes placed in Cyprinodontidae (Teleostei: Cyprinodontiformes)**  
Freyhof J., Ozulug M., Sac G.  
ZOOTAXA, vol.4294, no.5, pp.573-585, 2017 (SCI-Expanded)
- XVII. **Circumstantial evidence of gibel carp, *Carassius gibelio*, reproductive competition exerted on native fish species in a mesotrophic reservoir**  
Tarkan A. S., Gaygusuz O., Gaygusuz C. G., Sac G., Copp G. H.  
FISHERIES MANAGEMENT AND ECOLOGY, vol.19, no.2, pp.167-177, 2012 (SCI-Expanded)
- XVIII. **Are introduced gibel carp *Carassius gibelio* in Turkey more invasive in artificial than in natural waters?**  
Tarkan A. S., Copp G. H., Top N., Ozdemir N., Onsoy B., Bilge G., Filiz H., Yapici S., EKMEKÇİ F. G., Kirankaya S. G., et al.  
FISHERIES MANAGEMENT AND ECOLOGY, vol.19, no.2, pp.178-187, 2012 (SCI-Expanded)
- XIX. **Length-weight relationships of six freshwater fishes from small streams flowing into Lake Sapanca, NW Turkey**  
Tarkan A. S., Ozulug M., Gaygusuz O., Gaygusuz C. G., Sac G.  
JOURNAL OF APPLIED ICHTHYOLOGY, vol.25, no.2, pp.230-231, 2009 (SCI-Expanded)

## Articles Published in Other Journals

- I. **The translocation of a native fish for recreational purposes: First record of *Abramis brama* (Linnaeus, 1758) in Büyükçekmece Reservoir (İstanbul, Türkiye)**  
Yürekli Ö. D., Damar A. B., Saç G., Özuluğ M.  
Su Ürünleri Dergisi (EgeJFAS), vol.41, no.2, pp.155-157, 2024 (Peer-Reviewed Journal)
- II. **Growth and Feeding Ecology of Dnieper chub *Petroleuciscus borysthenicus* (Kessler, 1859) in Şahinkaya Reservoir, an Artificial Water Body of an Island Ecosystem (Gökçeada, Turkey)**  
Ağdamar S., Saç G.  
Journal of advanced research in natural and applied sciences (Online), vol.8, no.1, pp.76-85, 2022 (Peer-Reviewed Journal)
- III. **In Memory of Fahire Battalgazi; Bringing Back a Fish Collection to Life**  
Gaygusuz Ö., Özuluğ M., Gürsoy Gaygusuz Ç., Dorak Z., Saç G., Serezli E. E.  
TURKISH JOURNAL OF BIOSCIENCE AND COLLECTIONS, vol.5, no.1, pp.12-21, 2021 (Peer-Reviewed Journal)
- IV. **Pressure of Urbanisation on the Fish Community Structure in Küçük Menderes River Basin (Turkey)**  
Saç G., Gaygusuz Ö., Dorak Z., Köker Demo L., Aydın F., Akçaalan Albay R., Albay M.  
Turkish Journal of Water Science and Management, vol.5, no.1, pp.40-58, 2021 (Peer-Reviewed Journal)
- V. **Feeding of *Barbus cyclolepis* Heckel, 1837 (Teleostei: Cyprinidae) and its relationship with benthic**

**macroinvertebrate fauna in the Istranca Stream (Istanbul, Turkey)**

Sac G., Dokumcu N., ÖZULUĞ O., ÖZULUĞ M.

SU URUNLERI DERGISI, vol.38, no.3, pp.345-353, 2021 (ESCI)

- VI. **Length-weight and length-length relationships of three endemic freshwater fish species from Anatolia, Turkey**  
Saç G., Özuluğ M.  
Natural and Engineering Sciences, vol.6, no.1, pp.53-59, 2021 (Peer-Reviewed Journal)
- VII. **Invasive fish threat in Manyas Lake (Turkey)**  
Saç G., Gaygusuz Ö., Ertürk A.  
Biological Diversity and Conservation, vol.13, no.2, pp.115-120, 2020 (Peer-Reviewed Journal)
- VIII. **Food overlap between *Vimba vimba* (L., 1758) and *Scardinius erythrophthalmus* (L., 1758) in Büyükçekmece Reservoir (Turkey)**  
Saç G.  
Turkish Journal of Bioscience and Collections, vol.4, no.1, pp.14-19, 2020 (Peer-Reviewed Journal)
- IX. **New Localities and Length-Weight Relationship for *Alburnus caeruleus* in the Euphrates and Tigris River Basins (Turkey)**  
Sac G.  
AQUATIC SCIENCES AND ENGINEERING, vol.35, no.4, pp.105-109, 2020 (ESCI)
- X. **Relationships between Body Size, Weight and Fecundity of the Endangered Fish *Alburnus carinatus* Battalgil, 1941 in the Manyas Lake (Turkey)**  
Sac G., Gaygusuz O.  
AQUATIC SCIENCES AND ENGINEERING, vol.35, no.1, pp.27-30, 2020 (ESCI)
- XI. **İstanbul İli (Türkiye) Tatlısu Balık Faunası**  
Özuluğ M., Saç G.  
Turkish Journal of Bioscience and Collections, vol.3, no.1, pp.19-36, 2019 (Peer-Reviewed Journal)
- XII. **A NEW LOCALITY FOR THE ENDEMIC *Gobio sakaryaensis* TURAN, EKMEKÇİ, LUSKOVA & MENDEL, 2012 IN THE MARMARA REGION (TURKEY) AND THE LENGTH-WEIGHT RELATIONSHIP OF THE SPECIES**  
Saç G., Gaygusuz Ö., Gürsoy Gaygusuz Ç., Özuluğ M.  
Aquatic Research, vol.2, no.1, pp.36-40, 2019 (Peer-Reviewed Journal)
- XIII. **Fish fauna of Yildiz Mountains (North-Eastern Thrace, Turkey)**  
SARI H. M., İLHAN A., Sac G., Ozulug M.  
SU URUNLERI DERGISI, vol.36, no.1, pp.65-73, 2019 (ESCI)
- XIV. **İstanbul Üniversitesi Fen Fakültesi Hidrobiyoloji Müzesi Balık Koleksiyonu Tip Örnekleri Kataloğu**  
Özuluğ M., Saç G.  
Turkish Journal of Bioscience and Collections, vol.2, no.1, pp.44-50, 2018 (Peer-Reviewed Journal)
- XV. **New data on distribution of three invasive freshwater fish species in İstanbul**  
Saç G., Özuluğ M.  
Acta Biologica Turcica, vol.30, no.1, pp.11-15, 2017 (Peer-Reviewed Journal)
- XVI. **BALIK BARIYERLERİNE BİR ÖRNEK: BÜYÜKÇEKMECE BARAJI (İSTANBUL)**  
Saç G., Özuluğ M.  
TURKISH JOURNAL OF AQUATIC SCIENCES, vol.32, no.2, pp.96-101, 2017 (Peer-Reviewed Journal)
- XVII. **THE OCCURRENCE OF *Ligula intestinalis* IN ITS FISH HOST *Rutilus rutilus* (L.) AND THE EFFECTS OF PARASITE ON THE FISH GROWTH (BÜYÜKÇEKMECE RESERVOIR, TURKEY)**  
Saç G., Serezli E. E., Okgerman H.  
Journal of Aquaculture Engineering and Fisheries Research, vol.2, no.3, pp.142-150, 2016 (Peer-Reviewed Journal)
- XVIII. **Büyükçekmece Rezervuarı (İstanbul, Türkiye)'ndaki Bazı Balık Türlerinin Boy-Ağırlık ve Boy-Boy İlişkileri ile Kondisyon Faktörleri**  
Saç G., Okgerman H.  
LIMNOFISH-Journal of Limnology and Freshwater Fisheries Research, vol.2, no.1, pp.43-48, 2016 (Peer-Reviewed Journal)

- XIX. **Resettlement of *Atherina boyeri* Risso, 1810 in Büyükçekmece Reservoir (İstanbul, Turkey)**  
Saç G., Aydoğan K., Özuluğ O., Özuluğ M.  
FishTaxa, vol.1, pp.27-28, 2016 (Peer-Reviewed Journal)
- XX. **REOCCURRENCE OF A COMMERCIAL EURYHALINE FISH SPECIES, *Atherina boyeri* Risso, 1810 (Atherinidae) IN BÜYÜKÇEKMECE RESERVOIR (İSTANBUL, TURKEY)**  
Saç G., Gaygusuz Ö., Tarkan A. S.  
Journal of Aquaculture Engineering and Fisheries Research, vol.1, no.4, pp.203-208, 2015 (Peer-Reviewed Journal)
- XXI. **Growth and reproduction of a non-native fish species *Carassius gibelio* (Bloch, 1782) from Büyükçekmece Lake (İstanbul, Turkey)**  
Saç G., Okgerman H.  
IUFJ Journal of Biology, vol.74, no.1, pp.1-12, 2015 (Peer-Reviewed Journal)
- XXII. **FIVE NEW RECORDS FOR THE FISH FAUNA OF DURUSU LAKE BASIN (İSTANBUL)**  
Saç G., Özuluğ M.  
Journal of FisheriesSciences.com, vol.8, no.4, pp.291-297, 2014 (Peer-Reviewed Journal)
- XXIII. **İSTİLACI ÖZELLİKTEKİ *Gambusia holbrooki*, *Carassius gibelio* ve *Pseudorasbora parva* (Teleostei) TÜRLERİ İÇİN TÜRKİYE'DEN YENİ YAYILIM ALANLARI**  
Özuluğ M., Saç G., Gaygusuz Ö.  
İ.Ü. Journal of Fisheries & Aquatic Sciences, vol.28, pp.1-22, 2013 (Peer-Reviewed Journal)
- XXIV. **BÜYÜKÇEKMECE REZERVUARI (İSTANBUL)'NDA YAŞAYAN *Clupeonella cultriventris* (NORDMANN, 1840)'İN BAZI BİYOLOJİK ÖZELLİKLERİ**  
Saç G.  
Istanbul University Journal of Fisheries & Aquatic Sciences, vol.27, pp.23-33, 2012 (Peer-Reviewed Journal)
- XXV. **BIOMETRIC RELATIONSHIP BETWEEN BODY SIZE AND BONE LENGTHS OF *Carassius gibelio* and *Rutilus frisii* from İZNIK LAKE**  
Gürsoy Gaygusuz Ç., Gaygusuz Ö., Tarkan A. S., Acıpınar H., Saç G.  
Journal of FisheriesSciences.com, vol.2, no.2, pp.146-152, 2008 (Peer-Reviewed Journal)

## Supported Projects

Saç G., Project Supported by Higher Education Institutions, Büyükçekmece Gölünde Yaşayan Kimi Tathisu Balıklarında Mikroplastik Varlığının Araştırılması, 2023 - 2025

Saç G., Özuluğ M., Ağdamar S., İnci H., Project Supported by Higher Education Institutions, Kentleşme Baskısı Altındaki Küçükçekmece Lagünü (İstanbul)'nün Güncel BalıkFaunasının Tespiti, 2023 - 2025

Gaygusuz Ö., Albay M., Küçükali S., Alp A., Dorak Z., Saç G., Köker Demo L., Ağdamar S., Gürsoy Gaygusuz Ç., TUBITAK Project, Restoration of Ecological Continuity in Streams: A Pilot Study for Sapanca River Basin, 2023 - 2025

Saç G., Ağdamar S., Özuluğ M., Odabaşı D. A., Project Supported by Higher Education Institutions, Tuzla Köyü (Ayvacık/Çanakale) kaplıcasında ekstrem koşullarda yaşayan *Aphanius sp.* balığının tür tayininin morfolojik ve moleküler yöntemlerle belirlenmesi, 2022 - 2023

İlhan A., İlhan D., Topkara E. T., Gaygusuz Ö., Saç G., Gürsoy Gaygusuz Ç., Akalın S., Project Supported by Higher Education Institutions, Sapanca Gölü Havzasının Güncel Balık Faunasının Tespiti ve Sürdürülebilir Kullanımının Araştırılması, 2021 - 2023

Ertürk A., Albay M., Akçaalan Albay R., Dorak Z., Gaygusuz Ö., Gürevin C., Arslangündoğdu Z., Dalkıran N., TUBITAK Project, Development of an Integrated Ecosystem Modelling Based Decision Support System for Management of Manyas Lake Watershed, 2018 - 2022

Gaygusuz Ö., Gürsoy Gaygusuz Ç., Ağdamar S., Özuluğ M., Doğaç E., Acar Ü., Saç G., Project Supported by Higher Education Institutions, Gökçeada İçsu Balık Faunasının Belirlenmesi, 2019 - 2021

## Metrics

Publication: 85

Citation (WoS): 135

Citation (Scopus): 137

H-Index (WoS): 6

H-Index (Scopus): 4