

Assoc. Prof. Gülsah SAÇ

Personal Information

Web: <https://avesis.istanbul.edu.tr/70371>

Address: gulsah.sac@istanbul.edu.tr

International Researcher IDs

ORCID: 0000-0001-9988-1116

Publons / Web Of Science ResearcherID: P-6703-2019

Yoksis Researcher ID: 323506

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, Depertment 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 İSTRANCA STREAM (İSTANBUL) AND THE BIOECOLOGICAL CHARACTERISTICS OF TWO SPECIES, Istanbul University, Faculty Of Science, Depertment 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, Depertment 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. **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)
- II. **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)
- III. **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)
- IV. **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)
- 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. **The ichthyofaunal diversity of freshwater ecosystems in Gokceada Island (NW Turkey) under the pressure of nonnative species**
AĞDAMAR S., Sac 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)
- VII. **Life-history Traits of *Phoxinus strandjae* Drensky, 1926 (Actinopterygii: Leuciscidae) from Istranca Stream, Turkey**
Saç G., Özuluğ M.
Acta Zoologica Bulgarica, vol.72, no.3, pp.429-438, 2020 (SCI-Expanded)
- VIII. **Life history pattern and feeding habits of *Gobio bulgaricus* (Drensky, 1926) (Pisces: Gobionidae) in an endorheic stream (Istranca Stream, Turkey)**
Sac G., Ozulug M.
IRANIAN JOURNAL OF FISHERIES SCIENCES, vol.19, no.1, pp.248-261, 2020 (SCI-Expanded)
- IX. **New Distribution Areas of Four Invasive Freshwater Fish Species from Turkish Thrace**
Ozulug M., Gaygusuz Ö., Gaygusuz C. G., Sac G.
TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, vol.19, no.10, pp.837-845, 2019 (SCI-Expanded)
- X. **Pseudophoxinus cilicus, a new spring minnow from southern Anatolia (Teleostei: Leuciscidae)**
Sac G., Ozulug M., GEIGER M. F., Freyhof J.
ZOOTAXA, vol.4671, no.1, pp.105-118, 2019 (SCI-Expanded)
- XI. **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)
- 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. **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)
- XIV. **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)
- XV. **EFFECTS OF ENVIRONMENTAL VARIABLES ON THE DISTRIBUTION OF FISH ASSEMBLAGES IN AN ENDORHEIC STREAM (ISTANBUL, TURKEY)**
 Saç G.
 Fresenius Environmental Bulletin, vol.26, no.12, pp.7150-7159, 2017 (SCI-Expanded)
- XVI. **Growth and Diet of Alburnoides tzanevi Chichkoff, 1933 (Teleostei: Cyprinidae) in the Istranca Stream, Istanbul, Turkey**
 Saç G., Kaptan Ç., Özuluğ M.
 Acta Zoologica Bulgarica, vol.69, no.3, pp.361-368, 2017 (SCI-Expanded)
- XVII. **Neotype designation of Aphanus 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)
- XVIII. **New data on the distribution and conservation status of Phoxinus strandjae (Teleostei: Cyprinidae)**
 Saç G., Özuluğ M.
 Ichthyological Exploration Of Freshwaters, vol.25, no.4, pp.381-383, 2015 (SCI-Expanded)
- XIX. **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)
- XX. **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)
- XXI. **Length-weight relationships of six freshwater fishes from small streams flowing into Lake Sapanca, NW Turkey**
 Tarkan A. S., Oezulug 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. **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)
- II. **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)
- III. **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 URUNLERİ DERGİSİ, vol.38, no.3, pp.345-353, 2021 (ESCI)
- 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. Length-weight and length-length relationships of three endemic freshwater fish species from Anatolia, Turkey
Saç G., Özluğ M.
Natural and Engineering Sciences, vol.6, no.1, pp.53-59, 2021 (Peer-Reviewed Journal)
- VI. 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)
- VII. Food overlap between Vimba vimba (L., 1758) and Scardinius erythrophthalmus (L., 1758) in Büyüçekmece Reservoir (Turkey)
Saç G.
Turkish Journal of Bioscience and Collections, vol.4, no.1, pp.14-19, 2020 (Peer-Reviewed Journal)
- VIII. 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)
- IX. 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)
- X. İstanbul İli (Türkiye) Tatlısu Balık Faunası
Özluğ M., Saç G.
Turkish Journal of Bioscience and Collections, vol.3, no.1, pp.19-36, 2019 (Peer-Reviewed Journal)
- XI. A NEW LOCALITY FOR THE ENDEMIC Gobio sakaryaensis TURAN, EKMEKİ, LUSKOVA & MENDEL, 2012 IN THE MARMARA REGION (TURKEY) AND THE LENGTH-WEIGHT RELATIONSHIP OF THE SPECIES
Saç G., Gaygusuz Ö., Gürsoy Gaygusuz Ç., Özluğ M.
Aquatic Research, vol.2, no.1, pp.36-40, 2019 (Peer-Reviewed Journal)
- XII. Fish fauna of Yıldız Mountains (North-Eastern Thrace, Turkey)
SARI H. M., İLHAN A., Sac G., Ozulug M.
SU URUNLERİ DERGİSİ, vol.36, no.1, pp.65-73, 2019 (ESCI)
- XIII. İstanbul Üniversitesi Fen Fakültesi Hidrobiyoloji Müzesi Balık Koleksiyonu Tip Örnekleri Kataloğu
Özluğ M., Saç G.
Turkish Journal of Bioscience and Collections, vol.2, no.1, pp.44-50, 2018 (Peer-Reviewed Journal)
- XIV. New data on distribution of three invasive freshwater fish species in İstanbul
Saç G., Özluğ M.
Acta Biologica Turcica, vol.30, no.1, pp.11-15, 2017 (Peer-Reviewed Journal)
- XV. BALIK BARIYERLERİNE BİR ÖRNEK: BÜYÜKÇEKMECE BARAJI (İSTANBUL)
Saç G., Özluğ M.
TURKISH JOURNAL OF AQUATIC SCIENCES, vol.32, no.2, pp.96-101, 2017 (Peer-Reviewed Journal)
- XVI. Büyüçekmece 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)
- 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. **Resettlement of Atherina boyeri Risso, 1810 in Büyükçekmece Reservoir (İstanbul, Turkey)**
 Saç G., Aydoğan K., Özluğ O., Özluğ M.
FishTaxa, vol.1, pp.27-28, 2016 (Peer-Reviewed Journal)
- XIX. **REOCCURRENCE OF A COMMERCIAL EURYHALINE FISH SPECIES, Atherina boyeri Risso, 1810 (Atherinidae) IN BÜYÜKÇEKMECE RESERVOIR (ISTANBUL, 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)
- XX. **Growth and reproduction of a non-native fish species Carassius gibelio (Bloch, 1782) from Büyükçekmece Lake (İstanbul, Turkey)**
 Saç G., Okgerman H.
IUFS Journal of Biology, vol.74, no.1, pp.1-12, 2015 (Peer-Reviewed Journal)
- XXI. **FIVE NEW RECORDS FOR THE FISH FAUNA OF DURUSU LAKE BASIN (ISTANBUL)**
 Saç G., Özluğ M.
 Journal of FisheriesSciences.com, vol.8, no.4, pp.291-297, 2014 (Peer-Reviewed Journal)
- XXII. **İSTİLACI ÖZELLİKTEKİ Gambusia holbrooki, Carassius gibelio ve Pseudorasbora parva (Teleostei) TÜRLERİ İÇİN TÜRKİYE'DEN YENİ YAYILIM ALANLARI**
 Özluğ M., Saç G., Gaygusuz Ö.
İ.Ü. Journal of Fisheries & Aquatic Sciences, vol.28, pp.1-22, 2013 (Peer-Reviewed Journal)
- XXIII. **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)
- XXIV. **BIOMETRIC RELATIONSHIP BETWEEN BODY SIZE AND BONE LENGTHS OF Carassius gibelio and Rutilus frisii from IZNIK LAKE**
 Gürsoy Gaygusuz Ç., Gaygusuz Ö., Tarkan A. S., Acıpinar H., Saç G.
 Journal of FisheriesSciences.com, vol.2, no.2, pp.146-152, 2008 (Peer-Reviewed Journal)

Supported Projects

- SAÇ G., YÜREKLİ Ö. D., Project Supported by Higher Education Institutions, Büyükçekmece Gölünde Yaşayan Kimi Tathısu Balıklarında Mikroplastik Varlığının Araştırılması, 2023 - Continues
- Saç G., Project Supported by Higher Education Institutions, Büyükçekmece Gölünde Yaşayan Kimi Tathısu Balıklarında Mikroplastik Varlığının Araştırılması, 2023 - 2025
- Saç G., Özluğ M., Ağdamar S., İnci H., Project Supported by Higher Education Institutions, Kentleşme Baskısı Altındaki Küçükçekmece Lagünü (İstanbul)'nın Güncel Balık Faunasının Tespiti, 2023 - 2025
- Saç G., Ağdamar S., Özluğ M., Odabaşı D. A., Project Supported by Higher Education Institutions, Tuzla Köyü (Ayvacık/Çanakkale) 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., Dalkırın 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., Özluğ M., Doğaç E., Acar Ü., Saç G., Project Supported by Higher Education Institutions, Gökçeada İcsu Balık Faunasının Belirlenmesi, 2019 - 2021

Metrics

Publication: 81

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