

Prof. AYDIN AKBULUT

Personal Information

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Education Information

Doctorate, Hacettepe Üniversitesi, Fen Fakültesi, Biyoloji, Turkey 1995 - Continues

Undergraduate, Hacettepe Üniversitesi, Fen Fakültesi, Biyoloji, Turkey 1987 - 1991

Dissertations

Doctorate, Tuz Gölü Havzasındaki Bazı Göllerin (Tuz Gölü, Uyuz Gölü, Çöl Gölü, Tersakan Gölü, Hirfanlı Baraj Gölü) Planktonik Bacillariophyceae (Diyatom) Üyelerinin Sistematik Olarak İncelenmesi, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Genel Biyoloji (YI) (Tezli), 2001

Postgraduate, Sultansazlığı Fitoplanktonik Organizmalarının Tesbiti ve Ekolojik Açından Değerlendirilmesi, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Genel Biyoloji (YI) (Tezli), 1995

Research Areas

Life Sciences, Hydrobiology, Limnology, Natural Sciences

Advising Theses

AKBULUT A., Türkiye'nin Batı Karadeniz Sahil Şeridinin Su ve Sediman Kalitesi Açısından Değerlendirmesi, Postgraduate, Ö.Sakaoğlu(Student), 2018

Varol Muratçay E., Akbulut A., Marmara denizi güneyi (Kocasu deltası) sedimentlerinde ağır metal kirliliğinin araştırılması, Postgraduate, H.PEHLİVAN(Student), 2017

SANİN S. L. , AKBULUT A., Arthrospira platensis Gomont 1892 ve Chlorella vulgaris Beyerinck [Beijerinck] 1890 türlerinin nütrient giderim kapasitelerinin karşılaştırılması, Postgraduate, R.REZAEI(Student), 2016

AKBULUT A., Eğrekkaya baraj gölü diatom türleri (Kızılcahamam -Ankara), Postgraduate, A.ALHAMADİ(Student), 2014

AKBULUT A., Tuz Gölü, Kulu Gölü ve Kozanlı Saz Gölü heterotrof flagellatlarının sistematik açıdan incelenmeleri, Doctorate, E.ELİF(Student), 2012

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

I. Immobilization of *Candida rugosa* Lipase on Magnetic Biosilica Particles: Hydrolysis and Transesterification Studies

Acikgoz-Erkaya I., BAYRAMOĞLU G., AKBULUT A., Arica M. Y.

BIOTECHNOLOGY AND BIOPROCESS ENGINEERING, vol.26, no.5, pp.827-840, 2021 (Journal Indexed in SCI)

II. Vegetation record of the last three millennia in central Anatolia: Archaeological and palaeoclimatic insights from Moagn Lake (Ankara, Turkey)

Dönmez E. O. , OCAKOĞLU F., AKBULUT A., TUNOĞLU C., GÜMÜŞ B. A. , TUNCER A., Görüm T., Tün M.

Quaternary Science Reviews, vol.262, 2021 (Journal Indexed in SCI)

- III. **Utilization of immobilized horseradish peroxidase for facilitated detoxification of a benzidine based azo dye**
BAYRAMOĞLU G., AKBULUT A., ARICA M.
CHEMICAL ENGINEERING RESEARCH & DESIGN, vol.165, pp.435-444, 2021 (Journal Indexed in SCI)
- IV. **Investigation of heavy metal pollution in sediments of southern Marmara sea (the Kocasu Delta)**
Pehlivan H., AKBULUT A., Varol E.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.36, no.3, pp.1272-1288, 2021 (Journal Indexed in SCI)
- V. **Carbon dioxide capture with microalgae species in continuous gas-supplied closed cultivation systems**
Aghaalipour E., AKBULUT A., GÜLLÜ G.
BIOCHEMICAL ENGINEERING JOURNAL, vol.163, 2020 (Journal Indexed in SCI)
- VI. **Effect of algae acclimation to the wastewater medium on the growth kinetics and nutrient removal capacity**
REZAEİ R., AKBULUT A., SANİN S. L.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.191, no.11, 2019 (Journal Indexed in SCI)
- VII. **Biodegradation of Cibacron Blue 3GA by insolubilized laccase and identification of enzymatic byproduct using MALDI-ToF-MS: Toxicity assessment studies by Daphnia magna and Chlorella vulgaris**
BAYRAMOĞLU G., SALİH B., AKBULUT A., ARICA M. Y.
ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY, vol.170, pp.453-460, 2019 (Journal Indexed in SCI)
- VIII. **Uranium sorption by native and nitrilotriacetate-modified Bangia atropurpurea biomass: kinetics and thermodynamics**
Bayramoglu G., AKBULUT A., Acikgoz-Erkaya I., Arica M. Y.
JOURNAL OF APPLIED PHYCOLOGY, vol.30, no.1, pp.649-661, 2018 (Journal Indexed in SCI)
- IX. **Removal of metal complexed azo dyes from aqueous solution using tris(2-aminoethyl)amine ligand modified magnetic p(GMA-EGDMA) cationic resin: Adsorption, isotherm and kinetic studies**
Bayramoglu G., AKBULUT A., Liman G., Arica M. Y.
CHEMICAL ENGINEERING RESEARCH & DESIGN, vol.124, pp.85-97, 2017 (Journal Indexed in SCI)
- X. **Aminopyridine modified Spirulina platensis biomass for chromium(VI) adsorption in aqueous solution**
BAYRAMOĞLU G., AKBULUT A., ARICA M. Y.
WATER SCIENCE AND TECHNOLOGY, vol.74, no.4, pp.914-926, 2016 (Journal Indexed in SCI)
- XI. **A 2800-year multi-proxy sedimentary record of climate change from Lake Cubuk (Goynuk, Bolu, NW Anatolia)**
Ocakoglu F., DOENMEZ E. O. , AKBULUT A., TUNOĞLU C., Kir O., ACIKALIN S., Erayik C., Yilmaz I. O. , LEROY S. A. G.
HOLOCENE, vol.26, no.2, pp.205-221, 2016 (Journal Indexed in SCI)
- XII. **Characterization of the Embryonic and Larval Development of Wild Pike-Barb (Luciobarbus esocinus) Biological Parameters, and the Possibility of Breeding**
Ozgur M. E. , AKBULUT A., Demirsoy A.
ISRAELI JOURNAL OF AQUACULTURE-BAMIDGEH, vol.68, 2016 (Journal Indexed in SCI)
- XIII. **Study of polyethyleneimine- and amidoxime-functionalized hybrid biomass of Spirulina (Arthrospira) platensis for adsorption of uranium (VI) ion**
BAYRAMOĞLU G., AKBULUT A., ARICA M. Y.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.22, no.22, pp.17998-18010, 2015 (Journal Indexed in SCI)
- XIV. **Immobilized lipase on micro-porous biosilica for enzymatic transesterification of algal oil**
Bayramoglu G., AKBULUT A., Özalp V. C. , Arica M. Y.
CHEMICAL ENGINEERING RESEARCH & DESIGN, vol.95, pp.12-21, 2015 (Journal Indexed in SCI)
- XV. **Biosorption of uranium(VI) by free and entrapped Chlamydomonas reinhardtii: kinetic, equilibrium and thermodynamic studies**

Erkaya I. A. , Arica M. Y. , AKBULUT A., Bayramoglu G.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.299, no.3, pp.1993-2003, 2014 (Journal Indexed in SCI)

XVI. **Immobilization of tyrosinase on modified diatom biosilica: Enzymatic removal of phenolic compounds from aqueous solution**

BAYRAMOĞLU G., AKBULUT A., ARICA M. Y.

JOURNAL OF HAZARDOUS MATERIALS, vol.244, pp.528-536, 2013 (Journal Indexed in SCI)

XVII. **SOME QUALITY PARAMETERS OF SURFACE WATER OF KARASU RIVER IN UPPER PART OF EUPHRATES BASIN, TURKEY**

Ozgur M. E. , Akbulut A., Demirsoy A.

CARPATHIAN JOURNAL OF EARTH AND ENVIRONMENTAL SCIENCES, vol.7, no.3, pp.183-192, 2012 (Journal Indexed in SCI)

XVIII. **Rivers of Turkey**

AKBULUT N., Bayari S., Akbulut A., ŞAHİN Y.

RIVERS OF EUROPE, 1ST EDITION, pp.643-672, 2009 (Journal Indexed in SCI)

XIX. **Distribution and status of the medicinal leech (*Hirudo medicinalis* L.) in Turkey**

KASPAREK M., DEMIRSOY A., Akbulut A., AKBULUT N., CALISKAN M., DURMUS Y.

HYDROBIOLOGIA, vol.441, pp.37-44, 2000 (Journal Indexed in SCI)

Articles Published in Other Journals

I. **Journey to natural history museum in perspective of children**

EVREN YAPICIOĞLU A., ATMACA YILDIZ S., AKBULUT A., CEYHAN G. D. , DURMUŞ Y., AKAYDIN G., DEMİRSOY A.

EUROPEAN JOURNAL OF SCIENCE AND MATHEMATICS EDUCATION, vol.5, pp.365-375, 2017 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

I. **Application of Existing IBM (Individual-Based Model) Model Instream for Trout Population Modeling of *Salmo labrax* in Solaklı River**

REZAEİ R., ŞENGÜL H., AKBULUT A., ZENGİN M., ÖZCAN AKPINAR İ.

13th International Symposium on Fisheries and Aquatic Sciences, 21 - 23 November 2018

II. **The Evaluation of the water quality and Trace metal concentration Through The Kızılırmak River of Turkey**

AKBULUT N., AKBULUT A., Atasagun S., Arslan N.

Water Research and Wetlands, Tulcea, Romania, 08 September 2018, pp.99-106

III. **THE EVALUATION OF THE WATER QUALITY AND TRACE METAL CONCENTRATION THROUGH THE KIZILIRMAK RIVER OF TURKEY**

AKBULUT N., AKBULUT A., ATASAĞUN S., ARSLAN N.

3rd International Conference on "Water resources and wetlands", Tulcea, Romania, 8 - 10 September 2016, pp.99-106

IV. **Distribution of ostracod and diatom assemblages in Beyler Dam Pond Kastamonu Northern Turkey**

TUNOĞLU C., TUNCER A., AKBULUT A., GÜMÜŞ H., KÖSE T., ŞALIŞ K.

8th European Ostracodologists' Meeting, 22 - 30 July 2015

V. **Journey to Natural History Museum in Perspective of Children**

ATMACA S., EVREN A., CEYHAN G. D. , AKBULUT A., DURMUŞ Y., AKAYDIN G., Ali D.

Cyprus International Conference on Educational Research, Güzelyurt, Cyprus (Kkct), 8 - 10 February 2012

Supported Projects

ŞENGÜL H., ZENGİN M., AKBULUT A., REZAEİ R., ÖZCAN AKPINAR İ., Project Supported by Higher Education Institutions, Solaklı Havzasında Ekosisteme UzunDönemli Kümülatif Etkilerin inSTREAM Etmen Tabanlı Model ile Araştırılması, 2015 - 2018

AKBULUT A., Project Supported by Higher Education Institutions, 7 Uluslararası Alg Biyoması Biyoyakıt ve Biyolojik ürünler Kongresi 18-21 Haziran Miami FL USA, 2017 - 2017

AKBULUT A., Project Supported by Higher Education Institutions, New York International Business and Social Science Research Conference NYIBSRC 2016 (New York Uluslararası İş ve Sosyal Bilimler Araştırma Konferansı), 2016 - 2017

AKBULUT A., Project Supported by Higher Education Institutions, Toprak Mikroorganizmalarının Ekolojisi, 2015 - 2016

AKBULUT A., Project Supported by Higher Education Institutions, İletişim ve Medya alanında Uluslararası Eğilimler ve Konular Konferansı, 2015 - 2016

AKBULUT A., Project Supported by Higher Education Institutions, MODİFİYE ALG BİYOKÜTLESİNİN URANYUM İYONLARININ GERİ KAZANIMINDA KULLANILMASI, 2014 - 2016

AKBULUT A., TUBITAK Project, Türkiye deki Volkanik Krater Göllerinin Algolojik Yapısının Belirlenmesi mikroalg kütüphanesi Oluşturulması ve Kültüre Alınan Mikroalglerin Endüstriyel Potansiyellerinin Değerlendirilmesi, 2013 - 2016

ÖZDAĞ U., AKBULUT A., Project Supported by Higher Education Institutions, Anadolu Turnaları: Biyoloji, Kültür, Koruma, 2015 - 2015

AKBULUT A., Project Supported by Higher Education Institutions, Chlorella vulgaris Beyerinck [Beijerinck] 1890 ve Arthrospira platensis Gomont 1892 Türlerinin Atıksu Arıtım Potansiyellerinin Karşılaştırılması, 2014 - 2015

AKBULUT A., TUBITAK Project, Türkiye deki CITES Kapsamına Giren Türlerle İlişkin Veri Tabanı Oluşturulması, 2003 - 2005

AKBULUT A., TUBITAK Project, Türkiye deki Tıbbi Sülügün (Hirudo medicinalis) Populasyon Durumunun İzlenmesi, 2003 - 2005

AKBULUT A., Other Supported Projects, Population Assessment of the Medicinal Leech Hirudo medicinalis in Turkey Sustainable Utilisation of the Medicinal Leech Hirudo medicinalis in Turkey, 1997 - 1999

Citations

Total Citations (WOS):269

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