

## Prof. BERİL AKIN

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AHE-5772-2022

ScopusID: 8321057800

Yoksis Researcher ID: 118991

### Education Information

Doctorate, Hacettepe University, Fen Bilimleri Enstitüsü, Çevre Mühendisliği (Dr), Turkey 1997 - 2002

Postgraduate, Hacettepe University, Fen Bilimleri Enstitüsü, Çevremühendisliği (YI) (Tezli), Turkey 1993 - 1997

Undergraduate, Ataturk University, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, Turkey 1989 - 1993

### Dissertations

Doctorate, Ardışık kesikli reaktör sisteminde aşırı biyolojik fosfor gideriminin incelenmesi, Hacettepe University, Fen Bilimleri Enstitüsü, Çevre Mühendisliği (Dr), 2002

Postgraduate, Eysel ve Atıksulardaki Fosfatların Termik Santral Uçucu Külleri ile Giderimi, Hacettepe University, Fen Bilimleri Enstitüsü, Çevremühendisliği (YI) (Tezli), 1997

### Research Areas

Water Pollution and Control, Water Supply and Treatment, Engineering and Technology

### Academic Titles / Tasks

Professor, Gazi University, Gazi Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 2017 - Continues

Associate Professor, Gazi University, Gazi Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 2013 - Continues

Associate Professor, Gazi University, Fen Bilimleri Enstitüsü, Çevre Bilimleri Anabilim Dalı (Disiplinlerarası), 2012 - 2013

Assistant Professor, Gazi University, Fen Bilimleri Enstitüsü, Çevre Bilimleri Anabilim Dalı (Disiplinlerarası), 2008 - 2012

Assistant Professor, Gazi University, Gazi Eğitim Fakültesi, 2005 - 2008

Lecturer, Gazi University, Gazi Eğitim Fakültesi, 2002 - 2005

Research Assistant, Hacettepe University, Fen Bilimleri Enstitüsü, Çevremühendisliği (YI) (Tezli), 1995 - 2002

### Academic and Administrative Experience

Gazi University, Fen Bilimleri Enstitüsü, 2012 - 2014

Gazi University, Fen Bilimleri Enstitüsü, Çevre Bilimleri Anabilim Dalı (Disiplinlerarası), 2008 - 2013

## Courses

Tehlikeli Atık Yönetimi, Postgraduate, 2017 - 2018  
ARITIMDA BİYOLOJİK SÜREÇLER, Postgraduate, 2017 - 2018  
ATIKSULARIN ARITIMI, Postgraduate, 2017 - 2018

## Advising Theses

AKIN B., Determination Of Biogas Production Potential Of Different Organic Wastes, Postgraduate, G.Eroğlu(Student), 2017  
AKIN B., Analysis Of Pressures And Impacts Within The Scope Of The Water Framework Directive: Beysehir Lake, Turkey, Postgraduate, A.Köse(Student), 2017  
AKIN B., The Affect Of Teaching Cell Is The Basic Unit Of Life Subjects According To 5e Model On Students Success And Attitudes, Postgraduate, E.Kürkcü(Student), 2016  
Akin B., Investigation of bisphenol-A in the drinking water: case study, Ankara, Postgraduate, B.Sevil(Student), 2014  
Akin B., The impact of cooling water of thermal power plants to the sea water quality, Postgraduate, E.Özmen(Student), 2012  
Akin B., Investigation of the nutrient levels of Gökçekaya Dam Lake sediment, Postgraduate, Ş.Kumcu(Student), 2012  
Akin B., Investigation of water and sediment heavy metal quality in the Seyfe Lake, Postgraduate, V.Bölülbaşı(Student), 2011  
AKIN B., İLKÖĞRETİM 7. SINIF FEN VE TEKNOLOJİ DERSİNDE ÇEVRE KONULARININ ÖĞRETİMİNDE, YAPILANDIRMACI YAKLAŞIMA DAYALI İŞBİRLİKLİ ÖĞRENMENİN ÖĞRENCİLERİN ERIŞİNE ETKİSİ, Postgraduate, S.BİLGİLİ(Student), 2009  
AKIN B., THE EFFECTS OF THE ACTIVITIES USED IN THE ELECTRICITY IN OUR LIVES UNIT ON STUDENTS' ATTITUDES TO THE LESSON, Postgraduate, N.AYDIN(Student), 2008  
AKIN B., TEACHER'S VIEW ABOUT PRACTISING NEW TEACHING CURRICULUM OF SCIENCE AND TECHNOLOGY LESSON OF 4th, 5th AND 6th GRADES IN ELEMENTARY SCHOOL, Postgraduate, U.DEĞİRMENCİ(Student), 2007

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

- I. **Heavy metal contamination in surface sediments of Gokcekaya Dam Lake, Eskisehir, Turkey**  
AKIN B., Kirmizigul O.  
ENVIRONMENTAL EARTH SCIENCES, vol.76, no.11, 2017 (SCI-Expanded)
- II. **Agriculturally Induced Heavy Metal Accumulation in Seyfe Lake, Turkey**  
Bolukbasi V., AKIN B.  
BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.96, no.3, pp.401-407, 2016 (SCI-Expanded)
- III. **The Correlation Between Smoking Status of Family Members and Concentrations of Toxic Trace Elements in the Hair of Children**  
SERDAR M. A., AKIN B., Razi C., Akin O., Tokgoz S., Kenar L., Aykut O.  
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.148, no.1, pp.11-17, 2012 (SCI-Expanded)
- IV. **Pre-service teachers' attitudes towards some environmental problems**  
Keskin M., AKIN B., Armagan F. O., Samanci N. K.  
ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART B-SOCIAL AND EDUCATIONAL STUDIES, vol.4, no.1, pp.97-104, 2012 (SCI-Expanded)
- V. **Investigation of water quality on Gokcekaya dam lake using multivariate statistical analysis, in EskiAYehir, Turkey**

- AKIN B., Atici T., Katircioglu H., Keskin F.  
ENVIRONMENTAL EARTH SCIENCES, vol.63, no.6, pp.1251-1261, 2011 (SCI-Expanded)
- VI. **Serum heavy metal and antioxidant element levels of children with recurrent wheezing**  
Razi C. H., Akin O., HARMANCI K., Akin B., Renda R.  
ALLERGOLOGIA ET IMMUNOPATHOLOGIA, vol.39, no.2, pp.85-89, 2011 (SCI-Expanded)
- VII. **Excess molar volumes, viscosity, refractive index, and Gibbs energy of activation of binary biodiesel plus benzene, and biodiesel plus toluene mixtures at 298.15 and 303.15 K**  
Vural U. S., DURMAZ F., KOÇYİĞİT Ö., Kocyigit H., Muradoglu V., AKIN B.  
RUSSIAN JOURNAL OF PHYSICAL CHEMISTRY A, vol.82, no.13, pp.2260-2268, 2008 (SCI-Expanded)
- VIII. **Waste activated sludge disintegration in an ultrasonic batch reactor**  
AKIN B.  
CLEAN-SOIL AIR WATER, vol.36, no.4, pp.360-365, 2008 (SCI-Expanded)
- IX. **Physicochemical, toxicological and ecological analysis of Gokcekaya Dam Lake**  
AKIN B., Atici T., Katircioglu H.  
AFRICAN JOURNAL OF BIOTECHNOLOGY, vol.7, no.4, pp.444-449, 2008 (SCI-Expanded)
- X. **Sensitivity of freshwater microalgal strains (*Chlorella vulgaris* Beijerinck and *Scenedesmus obliquus* (Turpin) Kutzing) to heavy metals**  
ATICI T., KATIRCIOĞLU H., AKIN B.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.17, no.3, pp.268-274, 2008 (SCI-Expanded)
- XI. **Monitoring and control of biological nutrient removal in a Sequencing Batch Reactor**  
AKIN B., Ugurlu A.  
PROCESS BIOCHEMISTRY, vol.40, no.8, pp.2873-2878, 2005 (SCI-Expanded)
- XII. **The effect of sludge retention time on phosphate removal in a simultaneous feeding and decating sequencing batch reactor**  
AKIN B., Ugurlu A.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.14, no.9, pp.807-812, 2005 (SCI-Expanded)
- XIII. **The effect of an anoxic zone on biological phosphorus removal by a sequential batch reactor**  
AKIN B., Ugurlu A.  
BIORESOURCETECHNOLOGY, vol.94, no.1, pp.1-7, 2004 (SCI-Expanded)
- XIV. **Biological removal of carbon, nitrogen, and phosphorus in a sequencing batch reactor**  
AKIN B., UĞURLU A.  
JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING, vol.38, no.8, pp.1479-1488, 2003 (SCI-Expanded)
- XV. **Enhanced phosphorus removal by glucose fed sequencing batch reactor**  
AKIN B., UĞURLU A.  
JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING, vol.36, no.9, pp.1757-1766, 2001 (SCI-Expanded)
- XVI. **Phosphorus removal by fly ash**  
UĞURLU A., Salman B.  
ENVIRONMENT INTERNATIONAL, vol.24, no.8, pp.911-918, 1998 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Hydrological Drought Analysis of Upper Ceyhan Sub-Basin Using Standard Precipitation Index and Standard Runoff Index**  
KÖSE A., AKIN B. S.  
JOURNAL OF ANATOLIAN ENVIRONMENTAL AND ANIMAL SCIENCES, vol.9, no.3, pp.442-448, 2024 (Peer-Reviewed Journal)
- II. **Evaluation Of Water Quality in Belek Special Environmental Protection Zone with Multivariate Statistics**

özcan ö. f., Akın B.

Karadeniz Fen Bilimleri Dergisi, vol.14, no.2, pp.719-741, 2024 (Peer-Reviewed Journal)

- III. **Risk Assessment and Evaluation of Environmental Impacts in Hazardous Material Transportation: The Case of Kanal Istanbul**  
BÖLÜKBAŞI V., BALAS C. E., AKIN B.  
International Journal of Environmental Trends (IJENT), vol.7, no.1, pp.38-53, 2023 (Peer-Reviewed Journal)
- IV. **Şehir içi Akaryakıt İstasyonları Gürültü Kaynakları ve Kontrolü**  
AKIN B., HATİPOĞLU M. N.  
İğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.12, no.2, pp.663-679, 2022 (Peer-Reviewed Journal)
- V. **Sıfır Atık Projesi: Ambalaj Atıklarının Ayrı Toplanması, Ankara Büyükşehir Belediyesi Örneği**  
YILDIRIM N., AKIN B.  
Ulusal Çevre Bilimleri Araştırma Dergisi, vol.5, no.1, pp.33-46, 2022 (Peer-Reviewed Journal)
- VI. **The Hydrochemical Characteristics of a Stressed Sand-Gravel Aquifer: Kazan Plain, Ankara, Turkey**  
APAYDIN A., AKIN B., KAYA E.  
JOURNAL OF ENVIRONMENTAL PROTECTION, no.12, pp.961-982, 2021 (Peer-Reviewed Journal)
- VII. **DOĞU AKDENİZ HAVZASINDA SICAKLIK, YAĞIŞ VE AEROSOL DEĞİŞİMİNİN İNCELENMESİ**  
kahraman o., AKIN B.  
Mühendislik Bilimleri ve Tasarım Dergisi, vol.7, no.2, pp.244-253, 2019 (Peer-Reviewed Journal)
- VIII. **EVALUATION OF TEMPERATURE, PRECIPITATION AND DUST AEROSOL SIMULATIONS FOR TURKEY**  
kahraman o., AKIN B.  
International Journal of Current Research, vol.10, no.9, pp.73225-73233, 2018 (Peer-Reviewed Journal)
- IX. **Analyze of Global Climate Change Scale With Box-Jenkins Metdo: Ankara/Turkey**  
Akşit S., AKIN B.  
International Journal of Current Research, vol.10, no.12, pp.76394-76398, 2018 (Peer-Reviewed Journal)
- X. **Effectiveness of conceptual change texts: A meta analysis**  
Armağan F. Ö., Keskin M. Ö., AKIN B.  
European Journal of Science and Mathematics Education, vol.5, no.4, pp.343-354, 2017 (Scopus)
- XI. **Ultrasonography in the diagnosis of true gallbladder polyps: The contradiction in the literature**  
AKYÜREK N., AKIN B., Irkörücü O., ŞARE M., Tatlıcioğlu E.  
HPB, vol.7, no.2, pp.155-158, 2005 (Scopus)
- XII. **İlköğretim 6., 7. ve 8. Sınıf Öğrencilerinin "Erozyon" Hakkındaki Ön Bilgilerinin ve Kavram Yanılgılarının Tespiti**  
BOZKURT O., AKIN B., UŞAK M.  
Gazi Üniversitesi Kırşehir Eğitim Fakültesi Dergisi (. Ahi Evran Üniv. Kırşehir Eğt. Fak. Derg.), vol.5, no.2, pp.277-285, 2004 (Peer-Reviewed Journal)
- XIII. **Microalgal Toxin s Characteristics and Importance**  
KATIRCIOĞLU H., AKIN B., ATICI T.  
African Journal of Biotechnology, vol.3, no.12, pp.667-674, 2004 (Scopus)

## Refereed Congress / Symposium Publications in Proceedings

- I. **DETERMINATION THE COMPETENCE AND ATTITUDES OF BIOLOGY AND SCIENCE TEACHERS TOWARDS STEM EDUCAT**  
Kırçiçek S., Akın B.  
Globets 2022, 6th International Conference on Education, Technology and Science, Girne, Cyprus (Kktc), 03 April 2022, pp.17-26
- II. **ACHIEVEMENT TEST DEVELOPMENT PROCESS FOR IN-SERVICE TRAINING OF PROJECT CONSULTING**  
Özdemir E., Mirici S., Akın B.  
Globets 2022, 6th International Conference on Education, Technology and Science, Girne, Cyprus (Kktc), 3 - 06 April 2022, pp.99-109

## Expert Reports

- I. ESKİŞEHİR İDARE MAHKEMESİ BAŞKANLIĞINA BİLİRKİŞİ KURULU RAPORU-2017 / 897  
Öcalır Akünal E. V., Erdođanaras F., Erol D., Tanrıvermiş H., Akın B.  
ESKİŞEHİR İDARE MAHKEMESİ , pp.55, Eskişehir, 2018

## Supported Projects

- Akın B., Municipality, ÇUBUK 2 VE KAVŞAKKAYA BARAJLARI KORUMA PLANI VE ÖZEL HÜKÜM BELİRLEME PROJESİ, 2020 - 2023
- Akın B., Katırcıođlu H., Municipality, Mikroorganizma Konsorsiyumu Arge Çalışması, 2021 - 2022
- AKIN B., Project Supported by Higher Education Institutions, Atıksulardaki Fenol ve Klorofenollerin Çeşitli Mikroalglerle Giderimi Gazi Üniversitesi Bilimsel Araştırma Projesi Proje No 04 2012 03, 2012 - 2015
- AKIN B., Project Supported by Higher Education Institutions, GÖKÇEKAYA BARAJ GÖLÜ DİP SEDİMANININ AĞIR METAL VE NUTRIENT DÜZEYLERİNİN BELİRLENMESİ, 2010 - 2012
- AKIN B., Project Supported by Higher Education Institutions, İlköđretim 7. Sınıf Fen Ve Teknoloji Dersi Çevre Konularının Öğretiminde, Yapılandırmacı Yaklaşım Dayalı İşbirlikli Öğrenmenin Öğrencilerin Erişimi ve Tutumlarına Etkisi, 2007 - 2009

## Activities in Scientific Journals

Nevşehir Bilim ve Teknoloji Dergisi ISSN No : 2148-4651 (Online), Committee Member, 2020 - Continues

## Memberships / Tasks in Scientific Organizations

Yüksek Öğretim Kurumu Diploma Denklik Komisyonu, Member, 2020 - Continues, Turkey

## Scientific Refereeing

TUBITAK Project, 2204-A High School Students Research Projects Competition , TÜBİTAK, Turkey, June 2022

## Tasks In Event Organizations

Akın B., 6th International GLOBETS 2022; Conference on Education, Technology and Science, Scientific Congress, Girne, Cyprus (Kktc), Nisan 2022

## Metrics

Publication: 50  
Citation (WoS): 518  
Citation (Scopus): 642  
H-Index (WoS): 10  
H-Index (Scopus): 12

## Non Academic Experience

