

## Dr. Öğr. Üyesi BAHDIŞEN GEZER

### Kişisel Bilgiler

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### Uluslararası Araştırmacı ID'leri

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Yoksis Araştırmacı ID: 148394

### Eğitim Bilgileri

Doktora, Süleyman Demirel Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (Dr), Türkiye 2011 - 2015

Yüksek Lisans, Afyon Kocatepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), Türkiye 2004 - 2005

Lisans, Ege Üniversitesi, Fen Fakültesi, Astronomi Ve Uzay Bilimleri Bölümü, Türkiye 1988 - 1992

### Yaptığı Tezler

Doktora, Haşhaş kapsülünden morfinin ekstraksiyonu için çevre dostu pratik bir yöntem geliştirilmesi, Süleyman Demirel Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (Dr), 2015

Yüksek Lisans, Organik polimerlerin teknolojiye kullanım alanları ve mukavemet spektrum düzeylerinin araştırılması, Afyon Kocatepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 2005

### Akademik Unvanlar / Görevler

Öğretim Görevlisi Dr., Uşak Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 1994 - Devam Ediyor

Öğretim Görevlisi, Uşak Üniversitesi, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 1994 - Devam Ediyor

### Verdiği Dersler

Fizik, Ön Lisans, 2019 - 2020, 2017 - 2018, 2016 - 2017

Matematik, Ön Lisans, 2019 - 2020, 2018 - 2019, 2017 - 2018

Fizik II, Lisans, 2019 - 2020

İş Sağlığı ve Güvenliği, Ön Lisans, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Termodinamik, Lisans, 2019 - 2020

Fizikokimya, Ön Lisans, 2019 - 2020, 2018 - 2019

Analitik Kimya, Ön Lisans, 2019 - 2020, 2017 - 2018

Statik ve Dinamik, Lisans, 2019 - 2020, 2017 - 2018, 2016 - 2017

Fizik I, Lisans, 2018 - 2019

Fizik, Lisans, 2018 - 2019, 2017 - 2018

Bilg. prog., Lisans, 2018 - 2019

Mekanik ve Statik, Ön Lisans, 2018 - 2019

Su Teknolojisi, Ön Lisans, 2017 - 2018

İlk Yardım, Ön Lisans, 2017 - 2018  
Meslek Etiği, Ön Lisans, 2017 - 2018  
FİZİK-I, Lisans, 2017 - 2018  
İSTATİKSEL DEĞERLENDİRME, Ön Lisans, 2017 - 2018  
FİZİKO-KİMYA, Ön Lisans, 2017 - 2018  
BİLGİSAYAR PROGLAMA, Lisans, 2017 - 2018  
STATİK VE DİNAMİK, Ön Lisans, 2017 - 2018  
TEKNİK RESİM, Ön Lisans, 2016 - 2017  
FİZİK-II, Lisans, 2016 - 2017  
TEKNOLOJİNİN BİLİMSEL İLKELERİ, Ön Lisans, 2016 - 2017

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Determining optimum carob powder adsorbition for cleaning wastewater: intelligent optimization with electro-search algorithm**  
GEZER B., KÖSE U., Zubov D., Deperlioglu O., Vasant P.  
Wireless Networks, cilt.26, sa.8, ss.5665-5679, 2020 (SCI-Expanded)
- II. **Ultrasonic-assisted extraction and swarm intelligence for calculating optimum values of obtaining boric acid from tincal mineral**  
GEZER B., KÖSE U.  
Processes, cilt.7, sa.1, 2019 (SCI-Expanded)
- III. **Studies on an Ultrasonic Synthesis, Characterization, and Thermodynamic Analysis of New Metal Nanocatalysts Applied Directly to Alcohol Fuel Cells**  
GEZER B.  
Arabian Journal for Science and Engineering, cilt.43, sa.11, ss.6203-6209, 2018 (SCI-Expanded)
- IV. **Highly Monodisperse Pt/Rh Nanoparticles Confined in the Graphene Oxide for Highly Efficient and Reusable Sorbents for Methylene Blue Removal from Aqueous Solutions**  
Yildiz Y., Okyay T. O., Sen B., Gezer B., Kuzu S., Savk A., Demir E., Dasdelen Z., Sert H., Sen F.  
ChemistrySelect, cilt.2, sa.2, ss.697-701, 2017 (SCI-Expanded)
- V. **Activated carbon furnished monodisperse Pt nanocomposites as a superior adsorbent for methylene blue removal from aqueous solutions**  
SERT H., Yıldız Y., Okyay T. O., Sen B., GEZER B., Bozkurt S., Başkaya G., Sen F.  
Journal of Nanoscience and Nanotechnology, cilt.17, sa.7, ss.4799-4804, 2017 (SCI-Expanded)
- VI. **Reduced graphene oxide (rGO) as highly effective material for the ultrasound assisted boric acid extraction from ulexite ore**  
GEZER B., SERT H., ÖNAL OKYAY T., Bozkurt S., Başkaya G., Şahin B., Ulutürk C., Sen F.  
Chemical Engineering Research and Design, cilt.117, ss.542-548, 2017 (SCI-Expanded)
- VII. **Monodisperse Mw-Pt NPs@VC as Highly Efficient and Reusable Adsorbents for Methylene Blue Removal**  
SERT H., Yıldız Y., Okyay T. O., Gezer B., Dasdelen Z., Sen B., Sen F.  
Journal of Cluster Science, cilt.27, sa.6, ss.1953-1962, 2016 (SCI-Expanded)
- VIII. **Optimization of ultrasound-assisted extraction of morphine from capsules of Papaver Somniferum by response surface methodology**  
Bulduk I., GEZER B., Cengiz M.  
International Journal of Analytical Chemistry, cilt.2015, 2015 (SCI-Expanded)

## Diğer Dergilerde Yayınlanan Makaleler

- I. **Removal of Reactive Black 5 Dye from Waste Water by Photocatalytic Method Using TiO<sub>2</sub> Catalyst**

GEZER B., Gezer R., Gezer C.

İleri Mühendislik Çalışmaları ve Teknolojileri Dergisi, cilt.2, sa.2, ss.98-105, 2021 (Hakemli Dergi)

**II. Usage Areas Of Biomaterials In Medical Applications**

Gezer R., GEZER B., Gezer C.

International Academic Journal of Applied Bio-Medical Sciences, cilt.2, sa.1, ss.5-10, 2021 (Hakemli Dergi)

**III. Ag/Aniline blue/n-Si Type Schottky Diode with Organic Dye Interlayers Investigation of Electrical and Photovoltaic Properties**

GEZER B., gezer C.

İleri Mühendislik Çalışmaları ve Teknolojileri Dergisi, cilt.1, sa.1, ss.55-62, 2020 (Hakemli Dergi)

**IV. Cu (II) ADSORPTION WITH ACTIVATED CARBON OBTAINED FROM SEA URCHIN PREPARED BY ULTRASOUND-ASSISTED METHOD**

GEZER B.

ENGINEERING SCIENCES, cilt.9, sa.2, ss.770-780, 2020 (Hakemli Dergi)

**V. Obtaining activated carbon from grape pulp and removing of reactive blue 19 from the aqueous solution**

GEZER B.

International Journal of Agriculture Forestry and Life Sciences, cilt.4, sa.1, ss.62-70, 2020 (Hakemli Dergi)

**VI. Optimization by response surface methodology and obtaining of boric acid from colemanite with AuPdNi powders synthesized by Ultrasound-Assisted**

GEZER B.

Düzce Üniversitesi Bilim ve Teknoloji Dergisi, cilt.8, sa.1, ss.1173-1184, 2020 (Hakemli Dergi)

**VII. Removal of Pb (II) from aqueous solution with Reactive Red 198 and carbonization of sugar beet pulp with citric acid**

GEZER B.

International Journal of Agriculture, Environment and Food Sciences, cilt.3, sa.4, ss.250-256, 2019 (Hakemli Dergi)

**VIII. Adsorption Behavior Of Methylene Blue Dye Using Carob Powder as Eco-Friendly New Adsorbent For Cleaning Wastewater: Optimization By Response Surface Methodology**

GEZER B., ERSOY Y.

Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, cilt.11, sa.2, ss.306-320, 2018 (Hakemli Dergi)

**IX. Optimum condition for obtaining boric acid from tincal with ultrasound-assisted extraction and swarm intelligence based optimization**

GEZER B., KÖSE U.

Uluslararası Hakemli Mühendislik ve Fen Bilimleri Dergisi, cilt.5, sa.12, ss.47-70, 2018 (Hakemli Dergi)

**X. ADSORPTION CAPACITY FOR THE REMOVAL OF ORGANIC DYE POLLUTANTS FROM WASTEWATER USING CAROB POWDER**

GEZER B.

International Journal of Agriculture, Forestry and Life Science, cilt.2, sa.1, ss.1-14, 2018 (Hakemli Dergi)

**XI. Optimization and Investigation of the Design Parameters for Boric Acid Production from Colemanite Using the Ultrasound Assisted Extraction Process**

GEZER B.

Journal of Multidisciplinary Developments, 2017 (Hakemli Dergi)

**XII. Methylene blue sheet material Pd/Cu@CNT catalyst and recycling distribution from waste by using the produced non-contact surface material**

GEZER B., PINARLIK G.

Journal of Multidisciplinary Developments, cilt.23, ss.29-38, 2017 (Hakemli Dergi)

## **Kitap & Kitap Bölümleri**

**I. New Trends in Engineering Sciences**

GEZER B., ATALAN M., Gezer R., GEZER C.

II. Bahdisen

GEZER B.

Gece Kitaplığı, GEZER, Editör, Gece kitaplığı, ss.108-124, 2020

## Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **OBTAINING BORON OXIDE (B<sub>2</sub>O<sub>3</sub>) DOCUMENTED TUNGSTEN OXIDE (WO<sub>3</sub>) THIN FILM BY RADIO FREQUENCY (RF) MAGNETRON BREAKING METHOD AND INVESTIGATION OF THEIR STRUCTURAL PROPERTIES**  
GEZER B., ATALAN M., GEZER C., GEZER R.  
INTERNATIONAL CONFERENCE ON ENGINEERING SCIENCES held on November 11-12, 2022 / Baku, Azerbaijan Technical University, Baku, Azerbaycan, 11 Kasım 2022
- II. **INVESTIGATION OF SYNTHESIS AND ELECTROCHEMICAL EFFICIENCY OF CARBON SUPPORTED Pd-OS/WO<sub>3</sub>-C ANODE CATALYSTS BY THE POLYOL METHOD FOR DIRECT METHANOL FUEL CELLS**  
GEZER B., Gezer C., Dinç S.  
II. International Agricultural, Biological Life Science Conference, Edirne, Turkey, 2020, Edirne, Türkiye, 1 - 03 Eylül 2020, ss.579
- III. **PRODUCTION OF K<sub>2</sub>NiO<sub>4</sub>-TYPE MATERIALS AS NEW CATHODE MATERIALS FOR SOLID OXIDE FUEL CELLS FUEL CELL FOR UNMANNED AERIAL VEHICLES**  
GEZER B., Gezer C., Dinç S.  
II. International Agricultural, Biological Life Science Conference, 1 - 03 Eylül 2020
- IV. **Synthesis Of PdCoRu Nanostructures With Highly Developed Electrocatalytic Activity By an Easy And Effective A Sonochemical Method For A Direct Methanol Fuel Cell**  
GEZER B.  
1. International Conference on "Agriculture, Forestry Life Sciences", 6 - 08 Eylül 2018
- V. **REMOVAL OF PAINTS BY APPLYING PTRUNI CATALYST TO THE NONWOVEN SURFACE OBTAINED BY USING TEXTILE WASTES**  
GEZER B., URHAN B., ERSOY Y.  
II. International Scientific and Vocational Studies Congress, 5 - 08 Temmuz 2018
- VI. **463 KIRIKKALE BILMES CONGRESS 2018 UNIVERSITY PAINT REMOVAL OF METHYLENE ORANGE (MO) WITH KINOPTILOLITE ZEOLITE USING BOX-BEHNKEN DESIGN PROGRAM**  
GEZER B., URHAN B., ERSOY Y.  
II. International Scientific and Vocational Studies Congress, 5 - 08 Temmuz 2018
- VII. **ACTIVATED CARBON PRODUCTION FROM BEET PULP AND REMOVAL OF METHYLENE BLUE FROM WASTE WATER**  
GEZER B., URHAN B., ERSOY Y.  
II. International Scientific and Vocational Studies Congress, 5 - 08 Temmuz 2018
- VIII. **CARBOTHERMAL TECHNIQUE AND APPLICATION OF BORON CARBIDE TO NON-WOVEN SURFACES OBTAINED FROM TEXTILE WASTES**  
GEZER B., URHAN B., ERSOY Y.  
II. International Scientific and Vocational Studies Congress, 5 - 08 Temmuz 2018
- IX. **SYNTHESIS OF MONODISPERSE Pd/AL<sub>2</sub>O<sub>3</sub> NANOCOMPOSITES FOR DIRECT METHANOL FUEL CELLS AND DEVELOPMENT OF ELECTROCATALYTIC ACTIVITIES**  
GEZER B., URHAN B., ERSOY Y.  
II. International Scientific and Vocational Studies Congress, 5 - 08 Temmuz 2018
- X. **"SYNTHESIS OF PtCo ANODE NANOCATALYSTS FOR DIRECT ALCOHOL FUEL CELLS AND DIRECT ALCOHOL FUEL CELL APPLICATION**  
GEZER B., URHAN B., ERSOY Y.  
3. ULUSLARARASI MÜHENDİSLİK MİMARLIK VE TASARIM KONGRESİ, 4 - 05 Mayıs 2018

- XI. **ADSORPTION OF CERIUM (VI) FROM WASTE WATER OF LEATHER INDUSTRY BY USING PDA UNICATALYST: OPTIMIZATION WITH RESPONSE SURFACE METHODOLOGY**  
GEZER B., URHAN B., ERSOY Y.  
3. ULUSLARARASI MÜHENDİSLİK VE MİMARLIK KONGRESİ, 4 - 05 Mayıs 2018
- XII. **Filtration with methylene Blue Pd/Cu@CNT catalyst of impurity in waste water by produced nonwovens in recycling fibers**  
PINARLIK G., GEZER B.  
ICOMUS International Conference on Multidisciplinary Sciences, 25 - 26 Kasım 2017
- XIII. **Optimization of Design Parameters for Producing Boric Acid from Colemanite with UAE and Artificial Intelligence**  
GEZER B., KÖSE U.  
1st International Scientific and Vocational Studies Congress, 5 - 08 Ekim 2017
- XIV. **Optimization of Experimental Design of Adsorption of Methylene Blue from Aqueous Solutions Using Carob Powder by Ultrasound**  
GEZER B., ÖNAL OKYAY T.  
1st International Scientific and Vocational Studies Congress, 5 - 08 Ekim 2017
- XV. **Unmanned Aerial Vehicle Design for a Long Time in the Air**  
GEZER B., SARAÇ R.  
1st International Scientific and Vocational Studies Congress, 5 - 08 Ekim 2017
- XVI. **Optimum Conditions for Obtaining Boric Acid from Tincal with UAE and Swarm Intelligence Based Optimization**  
GEZER B., KÖSE U.  
1st International Scientific and Vocational Studies Congress, 5 - 08 Ekim 2017
- XVII. **Unmanned Aerial Vehicle (UAV) Development of Na-Compatible Pt Base Nanocatalyst Alcohol Fuel Pillars**  
GEZER B., AYHAN U., SARAÇ R.  
8 th International Advanced Technologies Symposium, 19 - 22 Ekim 2017
- XVIII. **Synthesis, Characterization and Thermodynamic Analysis of New Metal Nanocatalysts for Applicability to Direct Alcohol Fuel Cells**  
GEZER B., SARAÇ R., AYHAN U.  
8 th International Advanced Technologies Symposium, 19 - 22 Ekim 2017
- XIX. **Dehydrogenation of dimethyl ammonia borane catalysed by graphene oxide supported monodisperse palladium nickel nanoparticles**  
ŞEN F., Sen B., Kuzu S., GEZER B., SERT H., ÖNAL OKYAY T., Erken E.  
1 th International Mediterranean Science and Engineering Congress, 26 - 28 Ekim 2016
- XX. **Highly monodisperse trimetallic PdRuNi nanoparticles supported on chemically derived graphene**  
GEZER B., ÖNAL OKYAY T., ŞEN F., SERT H.  
1st International Mediterranean Science and Engineering Congress (IMSEC 2016), 26 - 28 Ekim 2016
- XXI. **Highly monodisperse PVP-stabilized PdNi nanocluster catalyst in hydrogen generation from the dehydrogenation of dimethyl ammonia-borane**  
GEZER B., ÖNAL OKYAY T., ŞEN F., SERT H.  
1st International Mediterranean Science and Engineering Congress (IMSEC 2016), 26 - 28 Ekim 2016
- XXII. **Novel Alcohol Sensor Based On Ni<sub>100</sub>-X@Ppy Ternary Alloy Nanoparticles Coated Electrode**  
GEZER B., ŞEN F.  
3rd International BAU Drug Design Congress Novel Methods and Emerging Targets in Drug Discovery Patented Drug Development, 1 - 03 Ekim 2015
- XXIII. **İlaqəhag Kapsiilindən Noskapin Ekstraksiyonunun Response Surface Metodolojiyi Kullanaraq Optimizasyonu**

BULDUK İ., GEZER B., CENGİZ M.

7. Ulusal Analitik Kimya Kongresi-Kahramanmaraş, Türkiye, 1 - 05 Eylül 2014, ss.22

- XXIV. **Response Surface Metodolojisi ile haşhaş kapsülünden ultrasonik destekli tebain ekstraksiyonu**  
BULDUK İ., GEZER B., CENGİZ M.

14. Ulusal kromatografi kongresi, Türkiye, 12 - 15 Mayıs 2014, ss.34

- XXV. **Optimized of Ultrasonid-Assisted Extraction Codeine in poppy capsules by Box-Behnken Design Method**

GEZER B., CENGİZ M., BULDUK İ.

Workshop on Plant Products Chemistry International Symposium on Medicinal – Aromatic Plants, 4 - 07 Haziran 2013

- XXVI. **Optimized of Ultrasonid-Assisted Extraction Morphine in poppy capsules by Box-Behnken Design Method**

GEZER B., CENGİZ M., BULDUK İ.

Workshop on Plant Products Chemistry International Symposium on Medicinal – Aromatic Plants, 4 - 07 Haziran 2013

- XXVII. **katı oksit yakıt pillerinde (Ba<sub>0.5</sub>Sr<sub>0.5</sub>)<sub>1-x</sub>Sm<sub>x</sub>Co<sub>0.8</sub>Fe<sub>0.2</sub>O<sub>3-D</sub>!in katot olarak incelenmesi**  
GEZER B.

1. Ulusal Geri Kazanım Kongresi ve sergisi, Türkiye, 2 - 04 Mayıs 2012, ss.316-319

- XXVIII. **K<sub>2</sub>NiO<sub>4</sub>-type materials new cathode materials for solid oxide fuel cells**  
GEZER B.

Energy Challenges for Advanced Materiels and Processes Conference, 25 - 29 Mayıs 2011

## Metrikler

Yayın: 50

Atıf (Scopus): 174

H-İndeks (Scopus): 5

## Akademi Dışı Deneyim

EGE ÜNİVERSİTESİ

Hacettepe Üniversitesi