Asst. Prof. BAHDİŞEN GEZER

Personal Information

Email: bahdisen.gezer@usak.edu.tr

Web: https://avesis.usak.edu.tr/bahdisen.gezer

International Researcher IDs ORCID: 0000-0002-2096-7185 Yoksis Researcher ID: 148394

Education Information

Doctorate, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 2011 - 2015 Postgraduate, Afyon Kocatepe University, Fen Bilimleri Enstitüsü, Kimya (Yl) (Tezli), Turkey 2004 - 2005 Undergraduate, Ege University, Fen Fakültesi, Astronomi Ve Uzay Bilimleri Bölümü, Turkey 1988 - 1992

Dissertations

Doctorate, Haşhaş kapsülünden morfinin ekstraksiyonu için çevre dostu pratik bir yöntem geliştirilmesi, Suleyman Demirel University, Fen Bilimleri Enstitüsü, Kimya (Dr), 2015

Postgraduate, Organik polimerlerin teknolojide kullanım alanları ve mukavemet spektrum düzeylerinin araştırılması, Afyon Kocatepe University, Fen Bilimleri Enstitüsü, Kimya (Yl) (Tezli), 2005

Academic Titles / Tasks

Lecturer PhD, Usak University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 1994 - Continues Lecturer, Usak University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, 1994 - Continues

Courses

Fizik, Associate Degree, 2019 - 2020, 2017 - 2018, 2016 - 2017

Matematik, Associate Degree, 2019 - 2020, 2018 - 2019, 2017 - 2018

Fizik II, Undergraduate, 2019 - 2020

iş Sağlığı ve Güvenliği, Associate Degree, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017

Termodinamik, Undergraduate, 2019 - 2020

Fizikokimya, Associate Degree, 2019 - 2020, 2018 - 2019

Analitik Kimya, Associate Degree, 2019 - 2020, 2017 - 2018

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

Fizik I, Undergraduate, 2018 - 2019

Fizik, Undergraduate, 2018 - 2019, 2017 - 2018

Bilg. prog., Undergraduate, 2018 - 2019

Mekanik ve Statik, Associate Degree, 2018 - 2019

Su Teknolojisi, Associate Degree, 2017 - 2018

İlk Yardım, Associate Degree, 2017 - 2018

Meslek Etiği, Associate Degree, 2017 - 2018

FİZİK-I, Undergraduate, 2017 - 2018 İSTATİKSEL DEĞERLENDİRME, Associate Degree, 2017 - 2018 FİZİKO-KİMYA, Associate Degree, 2017 - 2018 BİLGİSAYAR PROGLAMA, Undergraduate, 2017 - 2018 STATİK VE DİNAMİK, Associate Degree, 2017 - 2018 TEKNİK RESİM, Associate Degree, 2016 - 2017

FİZİK-II, Undergraduate, 2016 - 2017

TEKNOLOJÍNÍN BÍLÍMSEL ÍLKELERÍ, Associate Degree, 2016 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

I. Determining optimum carob powder adsorbtion for cleaning wastewater: intelligent optimization with electro-search algorithm

GEZER B., KÖSE U., Zubov D., Deperlioglu O., Vasant P.

Wireless Networks, vol.26, no.8, pp.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, vol.7, no.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, vol.43, no.11, pp.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, vol.2, no.2, pp.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., Yildiz Y., Okyay T. O., Sen B., GEZER B., Bozkurt S., Başkaya G., Sen F.

Journal of Nanoscience and Nanotechnology, vol.17, no.7, pp.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, vol.117, pp.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, vol.27, no.6, pp.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, vol.2015, 2015 (SCI-Expanded)

Articles Published in Other Journals

Removal of Reactive Black 5 Dye from Waste Water by Photocatalytic Method Using TiO2 Catalyst GEZER B., Gezer R., Gezer C.

İleri Mühendislik Çalışmaları ve Teknolojileri Dergisi, vol.2, no.2, pp.98-105, 2021 (Peer-Reviewed Journal)

II. Usage Areas Of Biomaterials In Medical Applications

Gezer R., GEZER B., Gezer C.

International Academic Journal of Applied Bio-Medical Sciences, vol.2, no.1, pp.5-10, 2021 (Peer-Reviewed Journal)

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, vol.1, no.1, pp.55-62, 2020 (Peer-Reviewed Journal)

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

GEZER B.

ENGINEERING SCIENCES, vol.9, no.2, pp.770-780, 2020 (Peer-Reviewed Journal)

V. Obtaining activated carbon from grape pulp and removingof reactive blue 19 from the aqueous solution

GEZER B.

International Journal of Agriculture Forestry and Life Sciences, vol.4, no.1, pp.62-70, 2020 (Peer-Reviewed Journal)

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, vol.8, no.1, pp.1173-1184, 2020 (Peer-Reviewed Journal)

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, vol.3, no.4, pp.250-256, 2019 (Peer-Reviewed Journal)

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, vol.11, no.2, pp.306-320, 2018 (Peer-Reviewed Journal)

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

GEZER B., KÖSE U.

Uluslararası Hakemli Mühendislik ve Fen Bilimleri Dergisi, vol.5, no.12, pp.47-70, 2018 (Peer-Reviewed Journal)

X. ADSORPTION CAPACITY FOR THE REMOVAL OF ORGANIC DYEPOLLUTANTS FROM WASTEWATER USING CAROB POWDER

GEZER B.

International Journal of Agriculture, Forestry and Life Science, vol.2, no.1, pp.1-14, 2018 (Peer-Reviewed Journal)

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

GEZER B.

Journal of Multidisciplinary Developments, 2017 (Peer-Reviewed Journal)

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, vol.23, pp.29-38, 2017 (Peer-Reviewed Journal)

Books & Book Chapters

I. New Trends in Engineering Scinces

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

in: Platanus Kitap , Prof. Birol KILIÇ, Ph.D. Prof. Gülden BAŞYİĞİT KILIÇ Ph. D., Editor, Duvar Publishing, pp.67-78, 2022

II. Bahdisen

GEZER B.

in: Gece Kitaplığı, GEZER, Editor, Gece kitaplığı, pp.108-124, 2020

Refereed Congress / Symposium Publications in Proceedings

I. OBTAINING BORON OXIDE (B203) DOCUMENTED TUNGSTEN OXIDE (W03) 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, Azerbaijan, 11 November 2022

II. INVESTIGATION OF SYNTHESIS AND ELECTROCHEMICAL EFFICIENCY OF CARBON SUPPORTED PD-OS/WO3-C ANODE CATALYSTS BY THE POLYOLMETHOD FOR DIRECT METHANOL FUEL CELLS GEZER B., Gezer C., Dinç S.

II. International Agricultural, Biological Life Science Conference, Edirne, Turkey, 2020, Edirne, Turkey, 1 - 03 September 2020, pp.579

III. PRODUCTION OF K2NIO4-TYPE MATERIALS AS NEW CATHODE MATERIALSFOR SOLID OXIDE FUEL CELLS FUEL CELL FOR UNMANNED AERIALVEHICLES

GEZER B., Gezer C., Dinc S.

II. International Agricultural, Biological Life Science Conference, 1 - 03 September 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 September 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 July 2018

VI. 463KIRIKKALE BILMES CONGRESS 2018 UNIVERSITYPAINT 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 July 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 July 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 July 2018

IX. SYNTHESIS OF MONODISPERSE PD/AL203 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 July 2018

X. "SYNTHESI! OF PTCO ANODENANOCATALYSTS FOR DIRECT ALCOHOL FUEL CELLS AND DIRECT ALCOHOL FUEL CELL APPLICATION

GEZER B., URHAN B., ERSOY Y.

3.ULUSLARARASI MÜHENDİSLİK MIMARLIK VE TASARIM KONGRES, 4 - 05 May 2018

XI. ADSORPTION OF CIIROMIUM (VI) FROMWASTE WATER OF LEATHER INDUSTRY BY USING PDAUNI CATAL'xxYST: OPTIMIIZATION WITH RESPONSESURFACE METHODOLOGY

GEZER B., URHAN B., ERSOY Y.

3. ULUSLARARASI MÜHENDİSLİK VE MİMARLIK KONGRESİ, 4 - 05 May 2018

XII. Filitration with methylene Blue Pd/Cu@CNT catalyst of impurity in waste water by produced nonwonens in recycling fibers

PINARLIK G., GEZER B.

ICOMUS International Conference on Multydisiplinary Sciences, 25 - 26 November 2017

XIII. Optimization of Design Parameters for Producing Boric Acid from Colemanite with UAE and Artificial Intelligenc

GEZER B., KÖSE U.

1st International Scientific and Vocational Studies Congress, 5 - 08 October 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 October 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 October 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 October 2017

XVII. Unmanned Aerial Vehicle (UAV) 'xxDevelopment of Na-Compatible Pt Base Nanocatalyst Alcohol Fuel Pillars

GEZER B., AYHAN U., SARAÇ R.

8 th International Advanced Techonologies Symposium, 19 - 22 October 2017

XVIII. Synthesis, Characterization and Thermodynamic Analysis of New Metal Nanocatalysts for Applicability to Direct Alcohol Fuel Pills

GEZER B., SARAÇ R., AYHAN U.

8 th International Advanced Techonologies Symposium, 19 - 22 October 2017

XIX. Dehydrogenation qf di,qelflyl pmmonia borane catalysed by grapheneox ide s u pported nfbHbdi5fibtrta'xxe pal I ad i u m n ickel na nopa rticl""Dehydrogenation qf di,qelflyl pmmonia borane catalysed by grapheneox ide s u pported nfbHbdi5fibtrta'xxe pal I ad i u m n ickel na Dehydrogenation of dimethyl ammonia borane catalysed by graphene oxide supported monodisperse palladium nickel nanoparti

ŞEN F., Sen B., Kuzu S., GEZER B., SERT H., ÖNAL OKYAY T., Erken E.

1 th International Mediteriranean Science and Engineering Congress, 26 - 28 October 2016

XX. Highly monodisperrs trimetallic PdRuNi nanoparticles supported on chemically derived graphene GEZER B., ÖNAL OKYAY T., ŞEN F., SERT H.

1st International Medi-terranean Science and Engineering Congress (IMSEC 2016), 26 - 28 October 2016

XXI. Highly monodisperse PVP-stabilized PdNi nanocluster catalyst in hydrogen generation from the dehydrogenation of dimethly ammonia-borane

GEZER B., ÖNAL OKYAY T., ŞEN F., SERT H.

1st International Medi-terranean Science and Engineering Congress (IMSEC 2016), 26 - 28 October 2016

XXII. Novel Alcohol Sensor Based On Nixpt100-X@Ppy Ternary Alloy Nanoparticles Coated Electrode GEZER B., SEN F.

3rd International BAU Drug Design Congress Novel Methods and Emerging Targets in Drug Discovery Patented Drug Development, 1 - 03 October 2015

XXIII. Ilaqhag Kapsiiliinden Noskapin Ekstraksiyonunun Response Surface Metadolojisi Kullanarak

Optimizasyonu

BULDUK İ., GEZER B., CENGİZ M.

- 7. Ulusal Analitik Kimya Kongresi-Kahramanmaras, Turkey, 1 05 September 2014, pp.22
- XXIV. Respose Surface Metodolojisi ile haşhaş kapsülünden ultrasonik destekli tebain ekstraksiyonu BULDUK İ., GEZER B., CENGİZ M.
 - 14. Ulusal kromotografi kongresi, Turkey, 12 15 May 2014, pp.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 June 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 June 2013

- XXVII. katı oksit yakıt pillerinde (Ba0.5Sr0.5)1-x.SmxCo0.8Fe0.2O3-D!in katot olarak incelenmesi GEZER B.
 - 1. Ulusal Geri Kazanım Kongresi ve sergisi, Turkey, 2 04 May 2012, pp.316-319
- XXVIII. K2NiO4-type materials new cathode materials for solid oxide fuel cells GEZER B.

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

Metrics

Publication: 50

Citation (Scopus): 174 H-Index (Scopus): 5

Non Academic Experience

EGE ÜNİVERSİTESİ

Hacettepe Üniversitesi