

## Res. Asst. PhD Şakir Yılmaz

### Personal Information

**Office Phone:** [+90 444 4 445](tel:+904444445) Extension: 21222

**Email:** [sakiryilmaz@yyu.edu.tr](mailto:sakiryilmaz@yyu.edu.tr)

**Web:** <https://avesis.yyu.edu.tr/sakiryilmaz>

### Education Information

Postgraduate, Van Yüzüncü Yil University, Fen Bilimleri Enstitüsü, İş Sağlığı ve Güvenliği, Turkey 2021 - Continues

Postgraduate, Van Yüzüncü Yil University, Fen Bilimleri Enstitüsü, Occupational Health and Safety, Turkey 2019 - 2020

Doctorate, Van Yüzüncü Yil University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği (Dr), Turkey 2016 - 2020

Postgraduate, Firat University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği Bölümü Temel İşlemler Ve Termodinamik Abd, Turkey 2012 - 2015

Undergraduate, Firat University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Turkey 2008 - 2012

### Certificates, Courses and Trainings

Occupational Health and Safety, B Sınıfı İş Güvenliği Uzmanlığı Belgesi, T.C. Aile, Çalışma ve Sosyal Hizmetler Bakanlığı İş Sağlığı ve Güvenliği Genel Müdürlüğü, 2021

Personal Evolution, Deney Hayvanlarında Etik Yaklaşımlar, İnönü Üniversitesi, 2021

Quality Management, ISO 14001 Çevre Yönetim Sistemi, İstanbul Ayvansaray Üniversitesi, 2021

Quality Management, ISO 9001-2015 Kalite Yönetim Sistemi, İstanbul Ayvansaray Üniversitesi, 2021

Quality Management, ISO 19011 İç Denetçi Yönetim Sistemi, İstanbul Ayvansaray Üniversitesi, 2021

Occupational Health and Safety, ISO 45001 İş Sağlığı ve Güvenliği Sistemi, İstanbul Ayvansaray Üniversitesi, 2021

Occupational Health and Safety, Risk Değerlendirmesi, TMMOB Makina Mühendisleri Odası, 2021

Personal Evolution, Uzay Tıbbı ve Astrobiyoloji, İnönü Üniversitesi, 2021

Occupational Health and Safety, İSİG Mevzuatı ve Çalışanların Sorumluluğu - İş Kazalarının Sebepleri, Korunma Prensipleri ve Kaza Sonrasında Yapılması Gerekenler, TMMOB Makina Mühendisleri Odası, 2021

Measurement and Evaluation, Eğiticilerin Eğitimi Sertifikası, Van Yüzüncü Yil Üniversitesi, 2021

Occupational Health and Safety, Biyolojik ve Kimyasal Güvenlik Çalıştayı, TÜV AUSTRIA, 2020

Occupational Health and Safety, İş Sağlığı ve Güvenliği Eğitim Sertifikası, Van Yüzüncü Yil Üniversitesi, 2018

Occupational Health and Safety, ISO 9001-2008 Kalite Yönetim Sistemleri Temel Eğitimi, TMMOB Kimya Mühendisleri Odası, 2011

Occupational Health and Safety, OHSAS 18001 İş Sağlığı ve Güvenliği Yönetim Sistemi Temel Eğitimi, TMMOB Kimya Mühendisleri Odası, 2011

### Dissertations

Doctorate, Çeşitli destek malzemelerinin kanatlı hayvan gübrelerinden biyogaz üretimi üzerindeki etkisinin incelenmesi, Van Yüzüncü Yil University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2020

Postgraduate, UÇUCU ORGANİK ÇÖZÜCÜLERİN ÇEŞİTLİ ALÇI ÖRNEKLERİNDEKİ DİFÜZYON VE ADSORPSİYONU, Firat University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği Bölümü Temel İşlemler Ve Termodinamik Abd, 2015

Postgraduate, Uçucu Organik Bileşiklerin Membran Yöntemlerle Geri Kazanılması veya Giderilmesi, Yüksek Lisans Semineri, Firat University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği Bölümü/Temel İşlemler Ve Termodinamik Abd,

## Research Areas

Waste Water Collection and Treatment, Environmental Health and Safety, Chemical Engineering and Technology, Biotechnological Processes and Fermentation Technology, Basic Operations and Thermodynamics, Thermodynamics, Transport Events, Industrial Biotechnology, Engineering and Technology

## Academic Titles / Tasks

Research Assistant PhD, Van Yüzüncü Yil University, Mühendislik Fakültesi, Maden Mühendisliği Bölümü, 2021 - Continues

Research Assistant, Van Yüzüncü Yil University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2016 - 2021

## Courses

Kimyasal Reaksiyon Mühendisliği, Undergraduate, 2020 - 2021

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

- I. **Effective utilization of Fe(III)-based metal organic framework-coated cellulose paper for highly efficient elimination from the liquid phase of paracetamol as a pharmaceutical pollutant**  
Yılmaz Ş., Zengin A., Şahan T.  
ENVIRONMENTAL TECHNOLOGY & INNOVATION, vol.24, 2021 (Journal Indexed in SCI)
- II. **Utilization of a novel polymer–clay material for high elimination of hazardous radioactive contamination uranium(VI) from aqueous environments**  
Yılmaz Ş., Zengin A., Şahan T., Selçuk Zorer Ö.  
ENVIRONMENTAL TECHNOLOGY & INNOVATION, vol.23, pp.101631, 2021 (Journal Indexed in SCI)
- III. **Bentonite grafted with poly(N-acryloylglycineamide) brush: A novel clay-polymer brush hybrid material for the effective removal of Hg(II) and As(V) from aqueous environments**  
Yılmaz Ş., Zengin A., Şahan T.  
Colloids And Surfaces A-Physicochemical And Engineering Aspects, vol.612, pp.1-12, 2021 (Journal Indexed in SCI)
- IV. **Investigation of Mercury(II) and Arsenic(V) adsorption onto sulphur functionalised pumice: a response surface approach for optimisation and modelling**  
Ecer U., Yılmaz Ş., Şahan T.  
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, 2020 (Journal Indexed in SCI)
- V. **A novel material poly(N-acryloyl-L-serine)-brush grafted kaolin for efficient elimination of malachite green dye from aqueous environments**  
Yılmaz Ş., Zengin A., Şahan T.  
COLLOIDS AND SURFACES A-PHYSICO-CHEMICAL AND ENGINEERING ASPECTS, vol.601, 2020 (Journal Indexed in SCI)
- VI. **A comprehensive study of hydrogen production from ammonia borane via PdCoAg/AC nanoparticles and anodic current in alkaline medium: experimental design with response surface methodology**  
Çelik Kazıcı H., Yılmaz Ş., Şahan T., Yıldız F., Er O. F., Kivrak H.  
FRONTIERS IN ENERGY, vol.14, no.3, pp.578-589, 2020 (Journal Indexed in SCI)
- VII. **Utilization of pumice for improving biogas production from poultry manure by anaerobic digestion: A modeling and process optimization study using response surface methodology**  
Yılmaz Ş., Şahan T.

BIOMASS & BIOENERGY, vol.138, 2020 (Journal Indexed in SCI)

- VIII. **Conversion from a natural mineral to a novel effective adsorbent: Utilization of pumice grafted with polymer brush for methylene blue decolorization from aqueous environments**  
Yılmaz Ş., Zengin A., Ecer U., Şahan T.  
COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, vol.583, 2019 (Journal Indexed in SCI)
- IX. **Towards more active and stable PdAgCr electrocatalysts for formic acid electrooxidation: The role of optimization via response surface methodology**  
Ulaş B., Çağlar A., Yılmaz Ş., Ecer U., Yılmaz Y., Şahan T., Kivrak H.  
INTERNATIONAL JOURNAL OF ENERGY RESEARCH, vol.43, no.15, pp.8985-9000, 2019 (Journal Indexed in SCI)
- X. **Magnetic nanoparticles coated with aminated polymer brush as a novel material for effective removal of Pb(II) ions from aqueous environments**  
Yılmaz Ş., Zengin A., Akbulut Y., Şahan T.  
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.26, no.20, pp.20454-20468, 2019 (Journal Indexed in SCI)
- XI. **Highly efficient Cd(II) adsorption using mercapto-modified bentonite as a novel adsorbent: an experimental design application based on response surface methodology for optimization**  
Ecer U., Yılmaz Ş., Şahan T.  
WATER SCIENCE AND TECHNOLOGY, vol.78, no.6, pp.1348-1360, 2018 (Journal Indexed in SCI)
- XII. **Modelling and Optimization of As(III) Adsorption onto Thiol-Functionalized Bentonite from Aqueous Solutions Using Response Surface Methodology Approach**  
Yılmaz Ş., Ecer U., Şahan T.  
CHEMISTRYSELECT, vol.3, no.32, pp.9326-9335, 2018 (Journal Indexed in SCI)
- XIII. **Mercury(II) adsorption by a novel adsorbent mercapto-modified bentonite using ICP-OES and use of response surface methodology for optimization**  
Şahan T., Erol F., Yılmaz Ş.  
MICROCHEMICAL JOURNAL, vol.138, pp.360-368, 2018 (Journal Indexed in SCI)
- XIV. **Response surface approach for optimization of Hg(II) adsorption by 3-mercaptopropyl trimethoxysilane-modified kaolin minerals from aqueous solution**  
Yılmaz Ş., Şahan T., KARABAKAN A.  
KOREAN JOURNAL OF CHEMICAL ENGINEERING, vol.34, no.8, pp.2225-2235, 2017 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **Ofis Ortamlarında Ekranlı Araçlarla Yapılan Çalışmalarda Sağlık ve Güvenlik Önlemleri**  
Yılmaz Ş., Bilici M., Zengin A.  
OHS Academy, vol.4, no.2, pp.43-48, 2021 (Other Refereed National Journals)
- II. **An optimization study for bio-removal of lead from aqueous environments by alkali modified Polyporus Squamosus**  
Yılmaz Ş., Ecer Ü., Şahan T.  
Manas Journal of Engineering, vol.9, no.1, pp.1-9, 2021 (National Refreed University Journal)
- III. **Effective clay material enriched with thiol groups for Zn(II) removal from aqueous media: A statistical approach based on response surface methodology**  
Ecer Ü., Yılmaz Ş., Şahan T.  
Manas Journal of Engineering, vol.8, no.2, pp.125-131, 2020 (International Refereed University Journal)
- IV. **Üniversitelerin Mühendislik Fakülteleri Bünyesinde Bulunan Laboratuvarlarda İş Sağlığı Ve Güvenliği**  
Yılmaz Ş., Bilici M.  
OHS ACADEMY, vol.3, no.2, pp.102-113, 2020 (Other Refereed National Journals)
- V. **Investigation of Diffusion and Adsorption of Acetone in Building Materials by Dynamic Method**

Yılmaz Ş., Akosman C.

Fırat University Turkish Journal of Science & Technology, vol.13, no.2, pp.39-46, 2018 (National Refreed University Journal)

- VI. **Doğal pomza minerali ile Co(II) adsorpsiyon koşullarının optimizasyonu için cevap yüzey yönteminin uygulanması (Application of response surface methodology for optimization of Co(II) adsorption conditions with natural pumice mineral)**  
Şahan T., Yılmaz Ş.  
Pamukkale Üniversitesi Mühendislik Bilimleri Dergisi, vol.23, no.7, pp.887-892, 2017 (National Refreed University Journal)
- VII. **Application of response surface methodology for optimization of Co(II) adsorption conditions with natural pumice mineral**  
Şahan T., Yılmaz Ş.  
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERI DERGISI, vol.23, no.7, pp.887-892, 2017 (Journal Indexed in ESCI)
- VIII. **ÇEŞİTLİ ALÇILARDA TOLUENİN DİFÜZYON VE ADSORPSİYONUNUN DİNAMİK ANALİZİ**  
Yılmaz Ş., Kalender M., Akosman C.  
ANADOLU UNIVERSITY JOURNAL OF SCIENCE AND TECHNOLOGY - A APPLIED SCIENCES AND ENGINEERING, vol.16, no.2, pp.117-124, 2015 (National Refreed University Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation of effect of pumice-supported nickel on biogas production from poultry manure with a statistical optimization approach**  
Yılmaz Ş., Şahan T.  
III. International Agricultural, Biological & Life Science Conference, Edirne, Turkey, 1 - 03 September 2021, pp.283
- II. **Polymer brush-grafted bentonite for the efficient removal of mercury as a toxic metal: A statistical approach**  
Yılmaz Ş., Zengin A., Şahan T.  
III. International Agricultural, Biological & Life Science Conference, Edirne, Turkey, 1 - 03 September 2021, pp.284
- III. **Adsorption of As(V) From Aqueous Solutions by Sulphur Modified Pumice: Optimization, Isotherm, and Kinetic Analysis**  
Ecer Ü., Yılmaz Ş., Şahan T.  
4. International Academic Studies Conference (UBCAK), Van, Turkey, 28 - 30 September 2020, pp.140
- IV. **Process Modeling and Optimization of Biogas Production from Chicken Manure via Anaerobic Digestion**  
Yılmaz Ş., Şahan T.  
II. International Agricultural, Biological & Life Science Conference (E-AGBIOL 2020), Edirne, Turkey, 1 - 03 September 2020, pp.274
- V. **Enhanced Removal of Arsenate from Aqueous Environments by A Novel Clay-Polymer Brush Hybrid Material: Modeling and Optimization Studies by Response Surface Methodology Approach**  
Yılmaz Ş., Ecer Ü., Zengin A., Şahan T.  
II. International Agricultural, Biological & Life Science Conference (E-AGBIOL 2020), Edirne, Turkey, 1 - 03 September 2020, pp.275
- VI. **Kalite Yönetim Sisteminde İş Sağlığı ve Güvenliğinin Önemi**  
Yılmaz Ş., Bilici M., Taştan Z.  
Yükseköğretimde Kalite Çalıştayı, Diyarbakır, Turkey, 8 - 09 July 2020, pp.129-130
- VII. **Optimization of the Zn(II) removal from aqueous solution using NaOH modified pumice: Design of experiments using response surface methodology (RSM)**  
Ecer Ü., Yılmaz Ş., Şahan T.  
International Engineering and Science Symposium, Siirt, Turkey, 20 - 22 June 2019, pp.922-927

- VIII. **Modeling of Brilliant Blue removal from aqueous solution by acidfunctionalized clinoptilolite**  
Ecer Ü., Yılmaz Ş., Şahan T.  
International Engineering and Science Symposium, Siirt, Turkey, 20 - 22 June 2019, pp.864-869
- IX. **Investigation of the removal of Ni(II) from aqueous environments onto NaOH modified clinoptilolite using response surface methodological approach**  
Yılmaz Ş., Ecer Ü., Şahan T.  
International Engineering and Science Symposium, Siirt, Turkey, 20 - 22 June 2019, pp.647-651
- X. **Application of response surface methodology for optimization and modeling of reactive orange 16 adsorption by HCl treated pumice**  
Yılmaz Ş., Ecer Ü., Şahan T.  
International Engineering and Science Symposium, Siirt, Turkey, 20 - 22 June 2019, pp.78-84
- XI. **Merkapto modifiyeli pomza ile sulu ortamlarda bulunan Hg(II) iyonlarının giderilmesi ve proses parametrelerinin cevap yüzey yöntemi ile optimizasyonu**  
Ecer Ü., Yılmaz Ş., Şahan T.  
13. Ulusal Kimya Mühendisliği Kongresi (UKMK-13), Van, Turkey, 3 - 06 September 2018, pp.163
- XII. **3-mercaptopropil trimetoksisilan modifiyeli bentonit üzerine gümüş adsorpsiyonunun incelenmesi ve ortam koşullarının cevap yüzey yöntemi ile optimizasyonu**  
Yılmaz Ş., Ecer Ü., Şahan T.  
13. Ulusal Kimya Mühendisliği Kongresi (UKMK-13), Van, Turkey, 3 - 06 September 2018, pp.156
- XIII. **Uçucu organik bileşik olarak metanolün yapı malzemeleri üzerindeki difüzyon ve adsorpsiyonu**  
Yılmaz Ş., Akosman C.  
13. Ulusal Kimya Mühendisliği Kongresi (UKMK-13), Van, Turkey, 3 - 06 September 2018, pp.155
- XIV. **Adsorption of Zn(II) by Mercapto-Modified Kaolin from Aqueous Media: Response Surface Methodology (RSM) Approach for Optimization**  
Yılmaz Ş., Ecer Ü., Şahan T.  
International Conference on Physical Chemistry and Functional Materials, Elazığ, Turkey, 19 - 21 June 2018, pp.53
- XV. **The Performance of Polyporus Squamosus as a Low-Cost Biosorbent for Removal of Ni(II) from Aqueous Environment by Response Surface Methodology (RSM)**  
Yılmaz Ş., Ecer Ü., Şahan T.  
International Conference on Physical Chemistry and Functional Materials, Elazığ, Turkey, 19 - 21 June 2018, pp.8
- XVI. **Isotherm, kinetic and thermodynamic studies of lead(II) adsorption by using amine-functionalized magnetic Fe<sub>3</sub>O<sub>4</sub> nanoparticles as an adsorbent**  
Yılmaz Ş., Akbulut Y., Zengin A., Şahan T.  
1st International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 26 - 27 April 2018, pp.1191
- XVII. **Response surface approach for optimizing uptake of As(III) from aqueous media by mercapto-modified bentonite**  
Yılmaz Ş., Ecer Ü., Şahan T.  
International Congress on Engineering and Life Science (ICELIS), Kastamonu, Turkey, 26 - 29 April 2018, pp.59
- XVIII. **Lead(II) Adsorption from Aqueous Solutions onto Amine-Functionalized Magnetic Fe<sub>3</sub>O<sub>4</sub> Nanoparticles: Optimization of Process Parameters by Using Response Surface Methodology (RSM)**  
Yılmaz Ş., Akbulut Y., Zengin A., Şahan T.  
International Congress on Engineering and Life Science (ICELIS), Kastamonu, Turkey, 26 - 29 April 2018, pp.65
- XIX. **Use of mercapto-modified bentonite for adsorption of Cd(II) ions from aqueous environment via response surface methodology (RSM)**  
Yılmaz Ş., Ecer Ü., Şahan T.  
1st International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 26 - 27 April 2018, pp.150
- XX. **Biosorption of Cobalt(II) from Aqueous Solutions by *H. leucomelaena* (Pers.) Nannf. and Response Surface Approach for Optimization of Biosorption Conditions**  
Yılmaz Ş., Acar İ., Şahan T., Aktaş N., Uzun Y.

- The Eurasian Agriculture and Natural Sciences Congress, Bishkek, Kyrgyzstan, 20 - 23 September 2017, pp.124
- XXI. **Investigation of Pb(II) biosorption onto Helvella leucopus Pers. by Response Surface Methodology**  
Yılmaz Ş., Acar İ., Şahan T., Uzun Y., Aktaş N.  
The Eurasian Agriculture and Natural Sciences Congress, Bishkek, Kyrgyzstan, 20 - 23 September 2017, pp.113
- XXII. **Mercury(II) Removal from Aqueous Solutions by Pumice: An Application of Response Surface Methodology**  
Yılmaz Ş., Şahan T.  
International Conference on Advances and Innovations in Engineering (ICAIE), Elazığ, Turkey, 10 - 12 May 2017, vol.Abs. book, pp.67-70
- XXIII. **Design and Optimization with Response Surface Methodology (RSM) of Co(II) Adsorption Conditions from Aqueous Solution onto Natural Pumice**  
Yılmaz Ş., Şahan T.  
International Conference on Advances and Innovations in Engineering (ICAIE), Elazığ, Turkey, 10 - 12 May 2017, vol.Abs. book, pp.71-74
- XXIV. **Investigation of Diffusion and Adsorption of Acetone in Building Materials by Dynamic Method**  
Yılmaz Ş., Akosman C.  
International Conference on Advances and Innovations in Engineering (ICAIE), Elazığ, Turkey, 10 - 12 May 2017, pp.1166
- XXV. **Adsorption of Pb(II) from Aqueous Solutions onto NaOH-Modified Polyporus Squamosus: Central Composite Design for Optimization of Process Variables**  
Ecer Ü., Yılmaz Ş., Şahan T.  
International Conference on Advances and Innovations in Engineering (ICAIE), Elazığ, Turkey, 10 - 12 May 2017, vol.Abs. book, pp.76
- XXVI. **Investigation of Mercury(II) Adsorption from Aqueous Solutions onto Mercapto-Modified Bentonite: Optimization Using Response Surface Methodology**  
Erol F., Yılmaz Ş., Şahan T.  
International Conference on Advances and Innovations in Engineering (ICAIE), Elazığ, Turkey, 10 - 12 May 2017, vol.Abs. book, pp.75
- XXVII. **Application of Response Surface Methodology (RSM) for optimization of Hg(II) Adsorption Conditions from Aqueous Solution using Mercapto-Modified Kaolin**  
Yılmaz Ş., Şahan T., Zengin A.  
2ND INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL AND APPLIED SCIENCES, Antalya, Turkey, 18 - 21 April 2017, pp.253
- XXVIII. **Removal of Pb(II) from Aqueous Solutions By Natural Polyporus Squamosus Biosorbent and Optimization of Biosorption Conditions with Response Surface Methodology (RSM)**  
Ecer Ü., Yılmaz Ş., Şahan T.  
2ND INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL AND APPLIED SCIENCES, Antalya, Turkey, 18 - 21 April 2017, pp.255
- XXIX. **Investigation of VOCs Diffusion and Adsorption on Building Materials by Dynamic Method**  
Kalender M., Yılmaz Ş., Akosman C.  
2ND INTERNATIONAL SYMPOSIUM ON ENVIRONMENT AND MORALITY (ISEM2014), Adıyaman, Turkey, 24 - 26 October 2014, pp.1021-1028
- XXX. **Çeşitli Alçılarda Uçucu Organik Bileşiklerin Difüzyon ve Adsorpsiyonunun Dinamik Analizi**  
Yılmaz Ş., Kalender M., Akosman C.  
Ulusal Kimya Mühendisliği Kongresi-11 (UKMK-11), Eskişehir, Turkey, 2 - 05 September 2014, pp.598-599
- XXXI. **Gazların Yapı Malzemelerinde Etkin Difüzyon Katsayılarının Bulunması**  
Yılmaz Ş., Karaman O., Kalender M., Akosman C.  
Ulusal Kimya Mühendisliği Kongresi-10 (UKMK-10), İstanbul, Turkey, 3 - 06 September 2012
- XXXII. **Kangal ve Farklı Atık Biyokütle Kaynaklarının Sabit Yatakta Birlikte Yakılması**  
Yılmaz Ş., Fındıkcı N., Taşar Ş., Duranay N.  
1. Ulusal Kimya Mühendisliği Öğrenci Kongresi, Çorum, Turkey, 12 - 14 May 2011

## Supported Projects

Şahan T., Yılmaz Ş., Project Supported by Higher Education Institutions, Çeşitli destek malzemelerinin kanatlı hayvan gübrelerinden biyogaz üretimi üzerindeki etkisinin incelenmesi, 2018 - 2021

Şahan T., TÜBİTAK Project, Sulu Çevrelerden Hg(II) ve As(V) Gibi Ağır Metal İyonlarının Giderimi İçin Yeni Bir Adsorbent Olarak Kil-Polimer Fırça Hibrit Malzemesinin Hazırlanması ve Proses Parametrelerinin Optimizasyonu İçin Cevap Yüzey Yöntemi (CYY)' nin Uygulanması, 2019 - 2020

Şahan T., ECER Ü., Yılmaz Ş., Project Supported by Higher Education Institutions, Sulu ortamlardan yüksek verimle HgII ve AsV iyonlarının uzaklaştırılması için yeni bir adsorbent olarak merkapto modifiyeli pomza minerallerinin kullanılması ve adsorpsiyon koşullarının optimizasyonu için Cevap Yüzey Yöntemi CYY yaklaşımı, 2018 - 2020

Demir Kıvrak H., Aktaş N., Şahan T., Zengin A., Çelik Kazıcı H., Aldemir A., Alpaslan D., Erşen Dudu T., Ulaş B., Uzun Y., et al., Project Supported by Higher Education Institutions, 13. Ulusal Kimya Mühendisliği Kongresi, 2018 - 2018

## Memberships / Tasks in Scientific Organizations

TMMOB Kimya Mühendisleri Odası, Member, 2013 - Continues

## Scientific Refereeing

BIOMASS CONVERSION AND BIOREFINERY, SCI Journal, August 2021

INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, SCI Journal, April 2021

CHEMOSPHERE, SCI Journal, March 2021

JOURNAL OF POLYMERS AND THE ENVIRONMENT, Journal Indexed in SSCI, February 2021

Journal of the Turkish Chemical Society, Section B Chemical Engineering, National Scientific Refreed Journal, October 2019

International Journal of Environmental Analytical Chemistry, SCI Journal, October 2019

Journal of the Turkish Chemical Society, Section B Chemical Engineering, National Scientific Refreed Journal, July 2019

Journal of Research on Engineering Structures and Materials, Other Indexed Journal, December 2018

## Citations

Total Citations (WOS):170

h-index (WOS):8

## Awards

Yılmaz Ş., Hizmet Takdirnamesi, Türk Silahlı Kuvvetleri, September 2015

Yılmaz Ş., Görev Atışı Takdirnamesi, Türk Silahlı Kuvvetleri, September 2015

Yılmaz Ş., Poster Sunumu İkincilik Ödülü, Ulusal Kimya Mühendisliği Kongresi-10 (UKMK10), September 2012

Yılmaz Ş., Mühendislik Fakültesi İkinciliği ve Kimya Mühendisliği Bölüm Birinciliği, Fırat Üniversitesi, June 2012