

# Prof. SELÇUK ŞİMŞEK

## Personal Information

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## International Researcher IDs

ScholarID: 9V\_iC-4AAAAJ&hl=tr

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Publons / Web Of Science ResearcherID: AAG-7740-2019

ScopusID: 7005184041

Yoksis Researcher ID: 60767

## Education Information

Doctorate, Sivas Cumhuriyet University, Fen Fakültesi, Kimya Bölümü, Turkey 2002 - 2007

Postgraduate, Sivas Cumhuriyet University, Fen Fakültesi, Kimya Bölümü, Turkey 1999 - 2001

Undergraduate, Istanbul Technical University, Fen-Edebiyat, Kimya, Turkey 1990 - 1996

## Dissertations

Doctorate, Poliakrilonitril-bentonit/zeolit ve poliakrilamid-lignin kompozitlerinin hazırlanması, modifikasyonu, karakterizasyonu ve bunlara UO<sub>2</sub> ve Pb<sub>2</sub> adsorpsiyonu, 2006

Postgraduate, Bentonit, poliakrilamid-bentonit ve poliakrilamid-bentonit-fitik asit yapılarına bazı radyoaktif metaller ile demir ve çinko adsorpsiyonu, 2001

## Research Areas

Physical Chemistry, Interface Chemistry, Polymers and Their Applications, Composites, nanocomposites, Polymeric Adsorbents, Polymeric Materials, Surface Chemistry

## Academic Titles / Tasks

Professor, Sivas Cumhuriyet University, Fen Fakültesi, Kimya Bölümü, 2020 - Continues

Associate Professor, 2015 - Continues

Assistant Professor, 2008 - 2015

Research Assistant, 1998 - 2008

## Courses

Genel Kimya, Undergraduate, 2019 - 2020

İleri Nanokimya, Postgraduate, 2019 - 2020

Seminer Dersi, Postgraduate, 2018 - 2019

Kimyasal Risk Etmenleri, Postgraduate, 2019 - 2020

Uzmanlık Alan Dersi, Postgraduate, 2019 - 2020  
Biyokimya - II, Undergraduate, 2018 - 2019  
Biyokimya Lab, Undergraduate, 2018 - 2019  
Genel Kimya I, Undergraduate, 2019 - 2020  
Biyokimya Lab, Undergraduate, 2018 - 2019  
İş Sağlığı ve Güvenliği - I, Undergraduate, 2019 - 2020  
Kimya Tarihi, Undergraduate, 2018 - 2019  
Adsorbanlar: Temelleri ve Uygulamaları, Postgraduate, 2018 - 2019  
Genel Kimya, Undergraduate, 2019 - 2020  
Biyokimya - II, Undergraduate, 2018 - 2019  
Kimyasal Risk Etmenleri, Postgraduate, 2018 - 2019  
Genel Kimya Laboratuvarı I, Undergraduate, 2019 - 2020  
Genel Kimya II, Undergraduate, 2018 - 2019  
Dönem Projesi, Postgraduate, 2018 - 2019  
Biyokimya - I, Undergraduate, 2018 - 2019  
Biyokimya - I, Undergraduate, 2018 - 2019  
Genel Kimya Lab. - II, Undergraduate, 2017 - 2018  
Genel Kimya Laboratuvarı II, Undergraduate, 2017 - 2018  
Bitirme Ödevi/Tezi, Undergraduate, 2018 - 2019  
Genel Kimya Laboratuvarı, Undergraduate, 2018 - 2019  
Tez Çalışması, Postgraduate, 2018 - 2019  
Biyokimya-II, Undergraduate, 2016 - 2017  
Kimyasal Risk Etmenleri, Postgraduate, 2017 - 2018  
Uzmanlık Alan Dersi, Postgraduate, 2016 - 2017  
Dönem Projesi, Postgraduate, 2017 - 2018  
Genel Kimya Laboratuvarı I, Undergraduate, 2017 - 2018  
Seminer Dersi, Postgraduate, 2016 - 2017  
Genel Kimya II, Undergraduate, 2015 - 2016  
Fizikokimya-I, Undergraduate, 2016 - 2017  
Genel Kimya II, Undergraduate, 2015 - 2016  
Fizikokimya-II, Undergraduate, 2014 - 2015  
Fizikokimya-I, Undergraduate, 2015 - 2016  
Bitirme Ödevi/Tezi, Undergraduate, 2015 - 2016  
Fizikokimya-II, Undergraduate, 2014 - 2015  
Fizikokimya-II, Undergraduate, 2014 - 2015  
Fizikokimya-II, Undergraduate, 2014 - 2015  
Genel Kimya Laboratuvarı II, Undergraduate, 2014 - 2015  
Genel Kimya I, Undergraduate, 2015 - 2016  
Fizikokimya-I, Undergraduate, 2015 - 2016  
Kimyasal Hesaplamalar, Undergraduate, 2015 - 2016  
Biyokimya-II, Undergraduate, 2013 - 2014  
Kimyasal Hesaplamalar, Undergraduate, 2014 - 2015  
Genel Kimya I, Undergraduate, 2014 - 2015  
Fizikokimya-I, Undergraduate, 2014 - 2015  
Genel Kimya Lab.I, Undergraduate, 2014 - 2015  
Nanokimya, Undergraduate, 2012 - 2013  
Kimyasal Hesaplamalar, Undergraduate, 2012 - 2013  
Polimer Malzemeler, Undergraduate, 2012 - 2013  
Bilim Tarihi, Undergraduate, 2011 - 2012  
Polimer Malzemeler, Undergraduate, 2012 - 2013  
Kimyasal Hesaplamalar, Undergraduate, 2012 - 2013

Nanokimya, Undergraduate, 2011 - 2012  
Nanokimya, Undergraduate, 2010 - 2011  
Fizikokimya Lab, Undergraduate, 2010 - 2011  
Nanokimya, Undergraduate, 2010 - 2011  
Genel Kimya Laboratuvarı, Undergraduate, 2009 - 2010  
Temel Bilgisayar Bilimleri, Undergraduate, 2009 - 2010  
Temel Bilgisayar Bilimleri, Undergraduate, 2009 - 2010  
Temel Bilgisayar Teknolojileri Kullanımı, Undergraduate, 2009 - 2010  
Genel Kimya I, Undergraduate, 2009 - 2010  
Temel Bilgisayar Teknolojileri Kullanımı, Undergraduate, 2009 - 2010  
Genel Kimya - II, Undergraduate, 2007 - 2008  
Genel Kimya - II, Undergraduate, 2007 - 2008

## Advising Theses

Şimşek S., Tekstil sektöründe kimyasal risk etmenleri ve sektöre yönelik sgk teftiş verilerinin analizi, Postgraduate, O.YILMAZ(Student), 2017  
Şimşek S., Poliakrilamit-talk kompozitin hazırlanması ve metilen mavisi adsorpsiyonunun araştırılması, Postgraduate, M.BİLGİÇ(Student), 2015

## Jury Memberships

Associate Professor Exam, Associate Professor Exam, Sivas Cumhuriyet Üniversitesi, August, 2021  
Associate Professor Exam, Associate Professor Exam, Sivas Cumhuriyet Üniversitesi, February, 2021

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

- I. **Bioremoval of Safranin O dye by the identified lichen species called Evernia prunastri biomass; biosorption optimization, isotherms, kinetics, and thermodynamics**  
Hasdemir Z. M. , Gul U. D. , Şimşek S.  
BIOMASS CONVERSION AND BIOREFINERY, vol.12, no.9, pp.4127-4137, 2022 (Peer-Reviewed Journal)
- II. **High-Performance Material for the Effective Removal of Uranyl Ion from Solution: Computationally Supported Experimental Studies**  
Şimşek S., Derin Y., Kaya S., Hasdemir Z. M. , Katin K. P. , Özer A.  
LANGMUIR, vol.1, no.1, pp.1-16, 2022 (Peer-Reviewed Journal)
- III. **Removal and regeneration of As(V) in aqueous solutions by adsorption on calcined fluorapatite**  
Billah R. E. K. , Kaya S., Şimşek S., Halim E. M. , Agunaou M., Soufiane A.  
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, no.1, pp.1-10, 2022 (Peer-Reviewed Journal)
- IV. **Synthesis and characterization of chitosan-vermiculite-lignin ternary composite as an adsorbent for effective removal of uranyl ions from aqueous solution: Experimental and theoretical analyses.**  
Şenol Z. M. , Kaya S., Şimşek S., Katin K. P. , Özer A., Marzouki R.  
International journal of biological macromolecules, vol.209, no.A, pp.1234-1247, 2022 (Peer-Reviewed Journal)
- V. **Theoretical and experimental insights about the adsorption of uranyl ion on a new designed Vermiculite-Polymer composite**  
Şimşek S., Kaya S., Mine Şenol Z. M. , Ulusoy H. İ. , Katin K., Özer A., Altunay N., Brahmia A.  
Journal of Molecular Liquids, vol.352, 2022 (Peer-Reviewed Journal)
- VI. **Can van der Waals constants be used in the chemical reactivity analysis? A new approach as a**

**support to minimum magnetizability principle**

KAYA S., ŞİMŞEK S.

JOURNAL OF PHYSICAL ORGANIC CHEMISTRY, 2022 (Peer-Reviewed Journal)

- VII. **Synthesis, characterization, and application of polyacrylamide/carmine polymer nanomaterial as an effective solid-phase material for ultrasonic-assisted solid-phase microextraction of aluminum and chromium in vegetable samples**  
Ulusoy S., Elik A., Ulusoy H. İ. , Şimşek S., Altunay N.  
CHEMICAL PAPERS, vol.76, no.3, pp.1553-1565, 2022 (Peer-Reviewed Journal)
- VIII. **Experimental and DFT Modeling Studies for the Adsorptive Removal of Reactive Dyes from Wastewater**  
Junejo R., Shams Jalbani N., KAYA S., SERDAROĞLU G., ŞİMŞEK S., Memon S.  
SEPARATION SCIENCE AND TECHNOLOGY, vol.57, no.3, pp.339-353, 2022 (Peer-Reviewed Journal)
- IX. **Optimization and application of ultrasound-assisted sugar based deep eutectic solvent dispersive liquid-liquid microextraction for the determination and extraction of aflatoxin M1 in milk samples**  
GÜRSOY N., Sirtbaşı B., ŞİMŞEK S., ELİK A., ALTUNAY N.  
Microchemical Journal, vol.172, 2022 (Peer-Reviewed Journal)
- X. **Application of kaolinite-based composite as an adsorbent for removal of uranyl ions from aqueous solution: kinetics and equilibrium study**  
HASDEMİR Z. M. , KESKİN Z. S. , ÖZER A., ŞİMŞEK S.  
Journal of Radioanalytical and Nuclear Chemistry, vol.331, no.1, pp.403-414, 2022 (Peer-Reviewed Journal)
- XI. **Adsorption mechanisms investigation of methylene blue on the (001) zeolite 4A surface in aqueous medium by computational approach and molecular dynamics**  
Khnifira M., El Hamidi S., Sadiq M., Simsek S., Kaya S., Barka N., Abdennouri M.  
APPLIED SURFACE SCIENCE, vol.572, 2022 (Peer-Reviewed Journal)
- XII. **Insights into Effective Adsorption of Lead ions from Aqueous Solutions by Using Chitosan-Bentonite Composite Beads**  
Hasdemir Z. M. , Şimşek S.  
Journal of Polymers and the Environment, 2022 (Peer-Reviewed Journal)
- XIII. **Adsorption of Eriochrome Black T on the chitin surface: Experimental study, DFT calculations and molecular dynamics simulation**  
Boumya W., Khnifira M., Machrouhi A., Abdennouri M., Sadiq M., Achak M., SERDAROĞLU G., KAYA S., ŞİMŞEK S., Barka N.  
Journal of Molecular Liquids, vol.331, 2021 (Peer-Reviewed Journal)
- XIV. **Optimization the removal of lead ions by fungi: Explanation of the mycosorption mechanism**  
Hasdemir Z. M. , Gül Ü. D. , Gurbanov R., Şimşek S.  
Journal of Environmental Chemical Engineering, vol.9, no.2, 2021 (Peer-Reviewed Journal)
- XV. **A combined molecular dynamic simulation, DFT calculations, and experimental study of the eriochrome black T dye adsorption onto chitosan in aqueous solutions**  
Khnifira M., Boumya W., Abdennouri M., Sadiq M., Achak M., SERDAROĞLU G., KAYA S., ŞİMŞEK S., Barka N.  
International Journal of Biological Macromolecules, vol.166, pp.707-721, 2021 (Peer-Reviewed Journal)
- XVI. **Synthesis and characterization of chitosan-vermiculite composite beads for removal of uranyl ions: isotherm, kinetics and thermodynamics studies**  
Hasdemir Z. M. , Şimşek S., Özer A., Şenol Arslan D.  
Journal of Radioanalytical and Nuclear Chemistry, vol.327, no.1, pp.159-173, 2021 (Peer-Reviewed Journal)
- XVII. **Poly(styrene)-co-2-vinylpyridine copolymer as a novel solid-phase adsorbent for determination of manganese and zinc in foods and vegetables by FAAS**  
Tuzen M., ELİK A., Hazer B., ŞİMŞEK S., ALTUNAY N.  
Food Chemistry, vol.333, 2020 (Peer-Reviewed Journal)
- XVIII. **Spectrophotometric determination of aflatoxin B1 in food sample: Chemometric optimization and theoretical supports for reaction mechanisms and binding regions**  
ALTUNAY N., Katin K. P. , GÜRSOY N., ELİK A., ŞİMŞEK S., KAYA S.

Journal of Food Composition and Analysis, vol.94, 2020 (Peer-Reviewed Journal)

- XIX. **Insight from adsorption properties of Xylidyl Blue embedded hydrogel for effective removal of uranyl: Experimental and theoretical approaches**  
Senol Z. M. , ŞİMŞEK S., ULUSOY H. İ. , Mahmood A., KAYA S.  
POLYMER TESTING, vol.88, 2020 (Peer-Reviewed Journal)
- XX. **Synthesis and characterization of a polyacrylamide-dolomite based new composite material for efficient removal of uranyl ions**  
Senol Z. M. , Şimşek S., Ulusoy H. İ. , Özer A.  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.324, pp.317-330, 2020 (Peer-Reviewed Journal)
- XXI. **Removal of food dyes from aqueous solution by chitosan-vermiculite beads**  
Şenol Z. M. , Gürsoy N., Şimşek S., Özer A., Karakuş N.  
International Journal of Biological Macromolecules, vol.148, pp.635-646, 2020 (Peer-Reviewed Journal)
- XXII. **Equilibrium, kinetics and thermodynamics of Pb(II) ions from aqueous solution by adsorption onto chitosan-dolomite composite beads**  
Senol Z. M. , ŞİMŞEK S.  
International Journal of Environmental Analytical Chemistry, pp.1-15, 2020 (Peer-Reviewed Journal)
- XXIII. **Effective UO<sub>2</sub> 2+ removal from aqueous solutions using lichen biomass as a natural and low-cost biosorbent**  
Gul U. D. , Senol Z. M. , Gürsoy N., Şimşek S.  
Journal of Environmental Radioactivity, pp.93-100, 2019 (Peer-Reviewed Journal)
- XXIV. **Assessment of Pb<sup>2+</sup> removal capacity of lichen (Evernia prunastri): application of adsorption kinetic, isotherm models, and thermodynamics**  
Senol Z. M. , Gul U. D. , Şimşek S.  
Environmental Science and Pollution Research, vol.26, pp.27002-27013, 2019 (Peer-Reviewed Journal)
- XXV. **Preparation and characterization of a novel diatomite-based composite and investigation of its adsorption properties for uranyl ions**  
Senol Z. M. , Arslan D. S. , Şimşek S.  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.321, no.3, pp.791-803, 2019 (Peer-Reviewed Journal)
- XXVI. **Synthesis of a Useful and Economic Polymeric Material for Effective Removal of Bisphenol A**  
Şimşek S., Ulusoy H. İ.  
JOURNAL OF POLYMERS AND THE ENVIRONMENT, vol.26, pp.1605-1612, 2018 (Peer-Reviewed Journal)
- XXVII. **Synthesis and characterization of a composite polymeric material including chelating agent for adsorption of uranyl ions**  
Şimşek S., Senol Z. M. , Ulusoy H. İ.  
Journal of Hazardous Materials, vol.338, pp.437-446, 2017 (Peer-Reviewed Journal)
- XXVIII. **EFFECTIVE MERCURY REMOVAL USING A NEW DEVELOPED POLYMER CONTAINING 2-(2 ' THIAZOLYLAZO) P-CRESOL**  
ŞİMŞEK S., ULUSOY H. İ.  
ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, vol.15, no.11, pp.2347-2356, 2016 (Peer-Reviewed Journal)
- XXIX. **Adsorption properties of lignin containing bentonite-polyacrylamide composite for UO<sub>2</sub> 2+ ions**  
ŞİMŞEK S.  
DESALINATION AND WATER TREATMENT, vol.57, no.50, pp.23790-23799, 2016 (Peer-Reviewed Journal)
- XXX. **Organoclay modified with lignin as a new adsorbent for removal of Pb<sup>2+</sup> and UO<sub>2</sub> (2+)**  
Şimşek S., Baybaş D., Kocyyigit M. C. , Yıldırım H.  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.299, pp.283-292, 2014 (Peer-Reviewed Journal)
- XXXI. **Amine-modified maleic anhydride containing terpolymers for the adsorption of uranyl ion in aqueous solutions**  
ŞİMŞEK S., YILMAZ E., Boztug A.  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.298, no.2, pp.923-930, 2013 (Peer-Reviewed

- Journal)
- XXXII. **Effects of the Different Methacrylate Monomers on Bond Strength Between Soft Liner and Acrylic Resin**  
BOLAYIR G., SOYGUN K., ŞİMŞEK S., YILMAZ E., DOĞAN A., Boztug A., DOĞAN O. M.  
ASIAN JOURNAL OF CHEMISTRY, vol.25, no.14, pp.8079-8081, 2013 (Peer-Reviewed Journal)
- XXXIII. **Removal of UO<sub>2</sub><sup>2+</sup> from Aqueous Solutions by Maleic Anhydride-Styrene-vinyl acetate Terpolymer Modified with Ethylenediamine and Diethylenetriamine**  
ŞİMŞEK S., YILMAZ E.  
ASIAN JOURNAL OF CHEMISTRY, vol.25, no.14, pp.8087-8092, 2013 (Peer-Reviewed Journal)
- XXXIV. **Removal of uranyl ions in aquatic mediums by using a new material: Gallocyanine grafted hydrogel**  
Ulusoy H. İ., Şimşek S.  
JOURNAL OF HAZARDOUS MATERIALS, vol.254, pp.397-405, 2013 (Peer-Reviewed Journal)
- XXXV. **Investigation of Mechanical and Structural Properties of Blend Lignin-PMMA**  
SOYGUN K., ŞİMŞEK S., YILMAZ E., BOLAYIR G.  
ADVANCES IN MATERIALS SCIENCE AND ENGINEERING, 2013 (Peer-Reviewed Journal)
- XXXVI. **Adsorptive properties of sulfolignin-polyacrylamide graft copolymer for lead and uranium: Effect of hydroxylamine-hydrochloride treatment**  
ŞİMŞEK S., ULUSOY U.  
REACTIVE & FUNCTIONAL POLYMERS, vol.73, no.1, pp.73-82, 2013 (Peer-Reviewed Journal)
- XXXVII. **Uranium and lead adsorption onto bentonite and zeolite modified with polyacrylamidoxime**  
ŞİMŞEK S., ULUSOY U.  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.292, no.1, pp.41-51, 2012 (Peer-Reviewed Journal)
- XXXVIII. **Lead removal by polyacrylamide-bentonite and zeolite composites: Effect of phytic acid immobilization**  
Ulusoy U., Simsek S.  
JOURNAL OF HAZARDOUS MATERIALS, vol.127, pp.163-171, 2005 (Peer-Reviewed Journal)
- XXXIX. **UO<sub>2</sub><sup>2+</sup>, Tl<sup>+</sup>, Pb<sup>2+</sup>, Ra<sup>2+</sup>, Bi<sup>3+</sup> and Ac<sup>3+</sup> adsorption onto polyacrylamide-zeolite composite and its modified composition by phytic acid**  
Simsek S., Ulusoy U.  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.261, no.1, pp.79-86, 2004 (Peer-Reviewed Journal)
- XL. **Investigations for modification of polyacrylamide-bentonite by phytic acid and its usability in Fe<sup>3+</sup>, Zn<sup>2+</sup> and UO<sub>2</sub><sup>2+</sup> adsorption**  
Ulusoy U., Simsek S., Ceyhan O.  
ADSORPTION-JOURNAL OF THE INTERNATIONAL ADSORPTION SOCIETY, vol.9, pp.165-175, 2003 (Peer-Reviewed Journal)
- XLI. **Adsorption of UO<sub>2</sub><sup>2+</sup>, Tl<sup>+</sup>, Pb<sup>2+</sup>, Ra<sup>2+</sup> and Ac<sup>3+</sup> onto polyacrylamide-bentonite composite**  
Simsek S., Ulusoy U., Ceyhan O.  
Journal of Radioanalytical and Nuclear Chemistry, vol.256, no.2, pp.315-321, 2003 (Peer-Reviewed Journal)

## Articles Published in Other Journals

- I. **Removal of Pb<sup>2+</sup> ions from aqueous medium by using chitosan-diatomite composite: Equilibrium, kinetic, and thermodynamic studies**  
HASDEMİR Z. M. , ŞİMŞEK S.  
Journal of the Turkish Chemical Society, Section A: Chemistry, vol.7, no.1, pp.307-318, 2020 (Peer-Reviewed Journal)
- II. **Removal of Cationic Dye in Aquatic Medium by Using a New Composite Material**  
Şenol Z. M. , Şimşek S.

## Books & Book Chapters

- I. **Gold and Gold Oxide as Corrosion Inhibitors**  
Kaya S., Şimşek S.  
in: Anticorrosive Nanomaterials: Future Perspectives, Chandrabhan Verma, Chaudhery Mustansar Hussain, Eno Ebenso, Editor, Royal Society of Chemistry, London, pp.155-164, 2022
- II. **Ionic Liquids as Corrosion Inhibitors**  
Kaya S., Erkan S., Şimşek S., Kumar A.  
in: Sustainable Corrosion Inhibitors II: Synthesis, Design, and Practical Applications, Chaudhery Mustansar Hussain, Chandrabhan Verma, Editor, American Chemical Society see ACS Publications, Montana, pp.103-119, 2021
- III. **Development of Bentonite and Zeolite-Polyacrylamidoxime composites: The Use in Uranium and Lead Adsorption**  
Şimşek S., Ulusoy U.  
in: Trends in Hazardous Materials Research, Edward C. Booking, Editor, NOVA Science Publishers Inc., New-York, pp.59-71, 2007

## Refereed Congress / Symposium Publications in Proceedings

- I. **DUYARLI Hg(I) ANALİZİ İÇİN NiNHİDRİN KATKILI POLİMER SENTEZİ**  
Demir Ö., Ulusoy H. İ., Şimşek S.  
XV. Ulusal Spektroskopi Kongresi, Yalova, Turkey, 17 - 19 May 2017
- II. **Synthesis of Polyacrylamide@Pollen Composite and its Application in Uranyl Ion Removal**  
Ben Ayed A., HASDEMİR Z. M., ŞİMŞEK S.  
5th International Conference on Physical Chemistry & Functional Materials, Sivas, Turkey, 23 June 2022
- III. **Prunus Mahaleb Shell as a Sustainable Biological Resource for Carminic Acid Removal from Wastewater**  
KESKİN Z. S., HASDEMİR Z. M., ŞİMŞEK S.  
5th International Conference on Physical Chemistry & Functional Materials, Sivas, Turkey, 23 June 2022
- IV. **Investigation of Swelling Kinetics of Polyacrylamide@Chitosan Composite**  
Gharsallah F., HASDEMİR Z. M., ŞİMŞEK S., Ghorbel N., Arous M.  
5th International Conference on Physical Chemistry & Functional Materials, Sivas, Turkey, 23 June 2022
- V. **Synthesis of Polyacrylamide/Carminic Polymer Nanomaterial as an Effective Solid-Phase Material for Ultrasonic-Assisted Solid-Phase Microextraction of Aluminum and Chromium in Vegetable Samples**  
Ulusoy S., Elik A., Ulusoy H. İ., Şimşek S., Altunay N.  
2nd European Sample Preparation e-Conference, Oslo, Norway, 14 March 2022
- VI. **Kitosan-vermikülit kompoziti kullanılarak sulu çözümlerden sunset yellow gıda boyasının etkin giderimi**  
ŞİMŞEK S., HASDEMİR Z. M., GÜRSOY N.  
3rd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2020), 19 - 20 March 2020
- VII. **Liken (Evernia prunastri) biyokütlesi kullanılarak sulu çözümlerden kurşun giderimi**  
HASDEMİR Z. M., GÜL Ü. D., ŞİMŞEK S.  
3rd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2020), 19 - 20 March 2020
- VIII. **Kitosan-Diyatomit Kompoziti Kullanılarak Sulu Çözümlerden Kurşun Gideriminin Araştırılması**  
HASDEMİR Z. M., ŞİMŞEK S.  
31. Ulusal Kimya Kongresi, Turkey, 10 - 13 September 2019
- IX. **Synthesis and Characterization of Polyacrylamide-Titanium Dioxide (PAA-TiO<sub>2</sub>) Composite**

ŞENOL ARSLAN D., HASDEMİR Z. M. , ŞİMŞEK S.

2nd International Conference on Physical Chemistry Functional Materials, 25 - 27 June 2019

- X. **Food dyes adsorption from aqueous solutions by chitosan/vermiculite composite**  
ŞİMŞEK S., HASDEMİR Z. M. , GÜRSOY N., KARAKUŞ N.  
2nd International Conference on Physical Chemistry Functional Materials (PCFM 2019), 25 - 27 June 2019
- XI. **Adsorption of lead ions in aquatic medium onto chitosan/dolomite composite beads**  
HASDEMİR Z. M. , ŞİMŞEK S.  
2nd International Conference on Physical Chemistry Functional Materials (PCFM 2019), 25 - 27 June 2019
- XII. **A Novel Polymer/Mineral Composite: Synthesis and Characterization**  
HASDEMİR Z. M. , ŞİMŞEK S., ULUSOY H. İ.  
4th International Symposium on Composite Materials (KOMPEGE 2018), 6 - 08 September 2018
- XIII. **Synthesis and Characterization of Polyacrylamide-Vermiculite Composite Adsorbent**  
HASDEMİR Z. M. , ŞİMŞEK S., ULUSOY H. İ.  
4th International Symposium on Composite Materials (KOMPEGE 2018), 6 - 08 September 2018
- XIV. **Removal of Uranium from Aqueous Solution by using Polyacrylamide-Vermiculite Composite**  
HASDEMİR Z. M. , ŞİMŞEK S., ULUSOY H. İ.  
International Trace Analysis Congress (iTAC2018), Sivas, Turkey, 20 - 23 June 2018
- XV. **Determination of Adsorptive Properties of Polyacrylamide-Dolomite Composite for Removal of Uranium from Aqueous Solution**  
Hasdemir Z. M. , Şimşek S., Ulusoy H. İ.  
International Trace Analysis Congress, Sivas, Turkey, 20 - 23 June 2018
- XVI. **Adsorption of UO<sub>2</sub> onto Polyacrylamide-diatomite composite**  
HASDEMİR Z. M. , ŞİMŞEK S.  
International Trace Analysis Congress (ITAC), 20 - 23 June 2018
- XVII. **Removal of Lead ions in aquatic medium by using Chitosan/Vermiculite composite beads**  
HASDEMİR Z. M. , ŞİMŞEK S.  
International Trace Analysis Congress (ITAC), 20 - 23 June 2018
- XVIII. **Investigation of Structural Properties of Chitosan-Vermiculite Composite**  
HASDEMİR Z. M. , ŞİMŞEK S.  
International Conference on Physical Chemistry and Functional Materials (PCFM 2018), 19 - 21 June 2018
- XIX. **Synthesis and Characterization of Polyacrylamide-Diatomite Composite**  
HASDEMİR Z. M. , ŞİMŞEK S.  
International Conference on Physical Chemistry and Functional Materials (PCFM 2018), 19 - 21 June 2018
- XX. **Synthesis and Characterization of Diatomite Composite Adsorbent**  
ŞİMŞEK S., HASDEMİR Z. M.  
International Conference on Physical Chemistry and Functional Materials (PCFM 2018), 19 - 21 June 2018
- XXI. **Preparation and Properties of Dolomite Composite**  
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## Metrics

Publication: 90  
Citation (WoS): 587  
Citation (Scopus): 641  
H-Index (WoS): 13  
H-Index (Scopus): 15