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Personal Information

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International Researcher IDs

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Education Information

Doctorate, Sivas Cumhuriyet University, Fen Fakültesi, Kimya Bölümü, Turkey 2008 - 2013

Postgraduate, Sivas Cumhuriyet University, Fen Fakültesi, Kimya Bölümü, Turkey 2005 - 2008

Undergraduate, Sivas Cumhuriyet University, Fen Fakültesi, Kimya Bölümü, Turkey 2000 - 2004

Foreign Languages

English, B1 Intermediate

Certificates, Courses and Trainings

Vocational Training, Eğiticinin Eğitimi, Cumhuriyet Üniversitesi, 2018

Vocational Training, Biyokimyada Güncel Konular-II Yaz Okulu, Aksaray Üniversitesi, 2016

Vocational Training, Spektroskopi Yaz Okulu, Erzincan Üniversitesi, 2014

Vocational Training, TÜBİTAK PROJE YAZMA EĞİTİMİ, Kafkas Üniversitesi, 2013

Vocational Training, Öğretmenlik Sertifikası / Pedagojik Formasyon Eğitimi, Sivas Cumhuriyet Üniversitesi, 2010

Vocational Training, İyi Üretim Uygulamaları, Cumhuriyet Üniversitesi, 2009

Vocational Training, Analitik Validasyon Kalibrasyon, Cumhuriyet Üniversitesi, 2009

Vocational Training, ISO 9001, Cumhuriyet Üniversitesi, 2009

Dissertations

Doctorate, Poliakrilamit-Kitosan-Kırmızı Çamur/Hidroksiapatit Kompozitlerinin Hazırlanması, Karakterizasyonu ve Kurşun ve Toryum için Adsorban Özelliklerinin Araştırılması, Sivas Cumhuriyet University, Fen Fakültesi, Kimya Bölümü, 2013

Postgraduate, Poliakrilamit-bentonit/zeolit kompozitlerine Tl+ ve Tl3+ adsorpsiyonunun incelenmesi, Sivas Cumhuriyet University, Fen Fakültesi, Kimya Bölümü, 2008

Research Areas

Chemistry, Surface Chemistry, Natural Sciences

Academic Titles / Tasks

Associate Professor, Sivas Cumhuriyet University, Sağlık Bilimleri Fakültesi, Beslenme Ve Diyetetik Bölümü, 2022 - Continues

Associate Professor, Sivas Cumhuriyet University, Zara Ahmet Çuhadaroğlu Meslek Yüksekokulu, Gıda İşleme, 2022 - 2022

Assistant Professor, Sivas Cumhuriyet University, Zara Ahmet Çuhadaroğlu Meslek Yüksekokulu, Gıda İşleme, 2015 - 2022

Assistant Professor, Kafkas University, Faculty Of Arts And Sciences, Department Of Chemistry, 2014 - 2015

Research Assistant, Kafkas University, Faculty Of Arts And Sciences, Department Of Chemistry, 2011 - 2014

Academic and Administrative Experience

Assistant Director of Vocational School, Sivas Cumhuriyet University, Zara Ahmet Çuhadaroğlu Meslek Yüksekokulu, Gıda İşleme, 2021 - 2022

Meslek Yüksekokulu Yönetim Kurulu Üyesi, Sivas Cumhuriyet University, Zara Ahmet Çuhadaroğlu Meslek Yüksekokulu, Gıda İşleme, 2020 - 2022

Head of Department, Sivas Cumhuriyet University, Zara Ahmet Çuhadaroğlu Meslek Yüksekokulu, Gıda İşleme, 2015 - 2022

Erasmus Coordinator, Sivas Cumhuriyet University, 2015 - 2018

Courses

Gıdalarda Renk Maddeleri, Postgraduate, 2023 - 2024

Su Kimyası, Postgraduate, 2023 - 2024

Temel Kimya Laboratuvar-I, Undergraduate, 2023 - 2024

Temel Kimya Laboratuvar Uygulaması-II, Undergraduate, 2022 - 2023

Kariyer Planlama, Undergraduate, 2023 - 2024

Serbest Radikaller ve Antioksidanlar, Undergraduate, 2023 - 2024

ilk yardım, Associate Degree, 2021 - 2022

Laboratuvar Teknikleri-I, Associate Degree, 2021 - 2022

Genel Biyoloji, Associate Degree, 2019 - 2020

Proje Hazırlama ve Değerlendirme, Associate Degree, 2018 - 2019

Özel Gıdalar Teknolojisi, Associate Degree, 2018 - 2019

Genel Kimya, Associate Degree, 2019 - 2020

Genel Mikrobiyoloji, Associate Degree, 2018 - 2019

Gıda Kimyası ve Biyokimya, Associate Degree, 2017 - 2018

Endüstriyel Kimya Lab., Undergraduate, 2014 - 2015

Kimyasal Kinetik, Undergraduate, 2014 - 2015

Genel Kimya, Undergraduate, 2014 - 2015

Kimyada Matematik Metotları, Undergraduate, 2014 - 2015

Genel Kimya Lab., Undergraduate, 2014 - 2015

Adsorpsiyon, Doctorate, 2014 - 2015

Enstrümental Analiz Lab., Undergraduate, 2014 - 2015

Jury Memberships

Competition, Sivas Cumhuriyet Üniversitesi, April, 2018

Competition, TÜBİTAK - 2204 - B ORTAOKUL ÖĞRENCİLERİ ARAŞTIRMA PROJELERİ YARIŞMASI, Sivas Cumhuriyet University, April, 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The valorization of Prunus mahaleb shell through acid modification for the sorption of Pb²⁺ removal from aqueous solution**
Keskin Z. S., Şenol Z. M., Şimşek S.
BIOMASS CONVERSION AND BIOREFINERY, vol.1, no.1, pp.1-13, 2024 (SCI-Expanded)
- II. **Advanced applications of hydroxyapatite nanocomposite materials for heavy metals and organic pollutants removal by adsorption and photocatalytic degradation: A review**
Miyah Y., El Messaoudi N., Benjelloun M., Açıkbay Y., Şenol Z. M., Ciğeroğlu Z., Lopez-Maldonado E. A.
Chemosphere, vol.142236, pp.1-30, 2024 (SCI-Expanded)
- III. **Adsorptive removal of synthetic dye from its aqueous solution by using chitosan-bentonite composite: DFT and experimental studies**
Şenol Z. M., Ertap H., Fernine Y., El Messaoudi N.
POLYMER BULLETIN, vol.1, no.1, pp.1-23, 2024 (SCI-Expanded)
- IV. **Comprehensive analytical review of heavy metal removal efficiency using agricultural solid waste-based bionanocomposites**
El Messaoudi N., Miyah Y., Şenol Z. M., Ciğeroğlu Z., Kazan-Kaya E. S., Gubernat S., Georgin J., Franco D. S.
Nano-Structures and Nano-Objects, vol.38, pp.1-30, 2024 (SCI-Expanded)
- V. **Influential lead uptake using dried and inactivated-fungal biomass obtained from Panaeolus papilionaceus: biological activity, equilibrium, and mechanism**
Şenol Z. M., Keskin Z. S., Dinçer E., Ayed A. B.
BIOMASS CONVERSION AND BIOREFINERY, vol.1, no.1, pp.1-20, 2024 (SCI-Expanded)
- VI. **Advances and future perspectives of water defluoridation by adsorption technology: A review**
El Messaoudi N., Pflingsten Franco D. S., Gubernat S., Georgin J., Şenol Z. M., Ciğeroğlu Z., Allouss S., El Hajam M.
Environmental Research, vol.118857, pp.1-67, 2024 (SCI-Expanded)
- VII. **Removal of food dyes using biological materials via adsorption: A review**
Şenol Z. M., El Messaoudi N., Ciğeroğlu Z., Miyah Y., Arslanoğlu H., Bağlam N., Kazan-Kaya E. S., Kaur P., Georgin J.
FOOD CHEMISTRY, vol.139398, pp.1-40, 2024 (SCI-Expanded)
- VIII. **Clay-based nanomaterials and their adsorptive removal efficiency for dyes and antibiotics: A review**
Ciğeroğlu Z., El Messaoudi N., Şenol Z. M., Başkan G., Georgin J., Gubernat S.
Materials Today Sustainability, vol.100735, no.1, pp.1-30, 2024 (SCI-Expanded)
- IX. **Influential Biosorption of Lead Ions from Aqueous Solution Using Sand Leek (Allium Scorodoprasum L.) Biomass: Kinetic and Isotherm Study**
Şenol Z. M., Arslanoğlu H.
BIOMASS CONVERSION AND BIOREFINERY, vol.17, pp.1-15, 2024 (SCI-Expanded)
- X. **Preparation of Polyacrylamide Titanium Dioxide Hybrid Nanocomposite by Direct Polymerization and Its Applicability in Removing Crystal Violet from Aqueous Solution**
Arslan D. S., Ertap H., Şenol Z. M., El Messaoudi N., Mehmeti V.
Journal of Polymers and the Environment, vol.32, no.1, pp.573-587, 2024 (SCI-Expanded)
- XI. **Green synthesis of CuFe₂O₄ nanoparticles from bioresource extracts and their applications in different areas: a review**
El Messaoudi N., Ciğeroğlu Z., Hasdemir Z. M., Kazan-Kaya E. S., Fernine Y., Gubernat S., Lopicic Z.
BIOMASS CONVERSION AND BIOREFINERY, vol.1, no.1, pp.1-18, 2024 (SCI-Expanded)
- XII. **Performance of cross-linked chitosan-zeolite composite adsorbent for removal of Pb²⁺ ions from**

aqueous solutions: Experimental and Monte Carlo simulations studies

Hasdemir Z. M., Elma E., El Messaoudi N., Mehmeti V.

JOURNAL OF MOLECULAR LIQUIDS, vol.391, pp.123310-123322, 2023 (SCI-Expanded)

- XIII. **A comparative review of the adsorption and photocatalytic degradation of tetracycline in aquatic environment by g-C₃N₄-based materials**
El Messaoudi N., Ciğeroğlu Z., Hasdemir Z. M., Elhajam M., Noureen L.
JOURNAL OF WATER PROCESS ENGINEERING, vol.55, pp.104150-104173, 2023 (SCI-Expanded)
- XIV. **Removal of methylene blue dye from aqueous solution using pure talc and polyacrylamide-talc composite: isotherms, kinetic and thermodynamic studies**
Bilgiç M., Şimşek S., Hasdemir Z. M.
POLYMER BULLETIN, vol.80, pp.11049-11067, 2023 (SCI-Expanded)
- XV. **Effective removal of Allura red food dye from water using cross-linked chitosan-diatomite composite beads**
Şen N. E., Şenol Z. M.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.1, pp.1-19, 2023 (SCI-Expanded)
- XVI. **Synthesis and characterization of a new hybrid polymer composite (pollene@polyacrylamide) and its applicability in uranyl ions adsorption**
Hasdemir Z. M., Keskin Z. S., Şimşek S.
Journal of Radioanalytical and Nuclear Chemistry, vol.332, no.6, pp.2239-2248, 2023 (SCI-Expanded)
- XVII. **Prunus mahaleb shell as a sustainable bioresource for carminic acid removal from aqueous solution: Experimental and theoretical studies**
Keskin Z. S., Şenol Z. M., Kaya S., Şimşek S.
JOURNAL OF MOLECULAR STRUCTURE, vol.1275, pp.1-11, 2023 (SCI-Expanded)
- XVIII. **Recycling of Labada (Rumex) biowaste as a value-added biosorbent for rhodamine B (Rd-B) wastewater treatment: biosorption study with experimental design optimisation**
Senol Z. M., Çetinkaya S., Arslanoğlu H.
BIOMASS CONVERSION AND BIOREFINERY, vol.13, no.3, pp.2413-2425, 2023 (SCI-Expanded)
- XIX. **Bioremoval of rhodamine B dye from aqueous solution by using agricultural solid waste (almond shell): experimental and DFT modeling studies**
Hasdemir Z. M., Messaoudi N. E., Fernine Y., Keskin Z. S.
Biomass Conversion and Biorefinery, 2023 (SCI-Expanded)
- XX. **Bioremoval of fast green FCF dye from aqueous solution using cranberry kernel (Cornus mas L.) as a lignocellulosic biowaste: equilibrium, kinetics, and mechanism**
HASDEMİR Z. M., Keskin Z. S., Saraç K., ŞİMŞEK S.
International Journal of Environmental Analytical Chemistry, 2023 (SCI-Expanded)
- XXI. **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, vol.30, no.9, pp.3677-3687, 2022 (SCI-Expanded)
- XXII. **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 (SCI-Expanded)
- XXIII. **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 (SCI-Expanded)
- XXIV. **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 (SCI-Expanded)

- XXV. **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 (SCI-Expanded)
- XXVI. **Epichlorohydrin and tripolyphosphate-crosslinked chitosan-kaolin composite for Auramine O dye removal from aqueous solutions: Experimental study and DFT calculations**
HASDEMİR Z. M., ÇETİNKAYA S., YENİDÜNYA A. F., Başoğlu-Ünal F., Ece A.
International Journal of Biological Macromolecules, vol.199, pp.318-330, 2022 (SCI-Expanded)
- XXVII. **Treatment of the Allura red food colorant contaminated water by a novel cyanobacteria Desertifilum tharense**
Gül Ü. D., Hasdemir Z. M., Taştan B. E.
Water Science and Technology-Water Supply, vol.1, pp.1-12, 2022 (SCI-Expanded)
- XXVIII. **Effective biosorption of Allura red dye from aqueous solutions by the dried-lichen (Pseudoevernia furfuracea) biomass**
Senol Z. M.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL ANALYTICAL CHEMISTRY, vol.102, no.16, pp.4550-4564, 2022 (SCI-Expanded)
- XXIX. **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 (SCI-Expanded)
- XXX. **A chitosan-based composite for adsorption of uranyl ions; mechanism, isotherms, kinetics and thermodynamics**
Senol Z. M.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.183, pp.1640-1648, 2021 (SCI-Expanded)
- XXXI. **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 (SCI-Expanded)
- XXXII. **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 (SCI-Expanded)
- XXXIII. **Bio-sorption of bisphenol a by the dried- and inactivated-lichen (Pseudoevernia furfuracea) biomass from aqueous solutions**
Senol Z. M., Gul U. D., GÜRKAN R.
JOURNAL OF ENVIRONMENTAL HEALTH SCIENCE AND ENGINEERING, vol.18, no.2, pp.853-864, 2020 (SCI-Expanded)
- XXXIV. **Synthesis and characterization of chitosan-vermiculite composite beads as adsorbent for environmental removal of UO₂²⁺ ions; isotherm, kinetic and thermodynamic studies**
Hasdemir Z. M., Şimşek S., Özer A., Şenol Arslan D.
Journal Of Radioanalytical And Nuclear Chemistry, pp.1, 2020 (SCI-Expanded)
- XXXV. **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 (SCI-Expanded)
- XXXVI. **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 (SCI-Expanded)
- XXXVII. **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 (SCI-Expanded)
- XXXVIII. **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 (SCI-Expanded)
- XXXIX. **Effective UO₂ 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 (SCI-Expanded)
- XL. **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 (SCI-Expanded)
- XLI. **Assessment of Pb²⁺ 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 (SCI-Expanded)
- XLII. **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 (SCI-Expanded)
- XLIII. **Thallium adsorption onto polyacrylamide-aluminosilicate composites: A Tl isotope tracer study**
Senol Z. M., ULUSOY U.
Chemical Engineering Journal, vol.162, no.1, pp.97-105, 2010 (SCI-Expanded)

Articles Published in Other Journals

- I. **Polyacrylamide@Tangerine Peel Composite: A Novel Adsorbent for Efficient Removal of Pb²⁺ Ions from Water**
Şenol Z. M.
CUMHURİYET SCIENCE JOURNAL, vol.45, no.2, pp.322-330, 2024 (Peer-Reviewed Journal)
- II. **Removal of Pb²⁺ Ions from Aqueous Medium by Using Chitosan Diatomite Composite: Equilibrium, Kinetic and Thermodynamic Studies**
Şenol Z. M., Şimşek S.
Journal of the Turkish Chemical Society Section A: Chemistry, vol.7, no.1, pp.307-318, 2020 (Scopus)
- III. **Kitosan-Vermikülit Kompoziti Kullanılarak Sulu Çözeltiden Etkin Kurşun Giderimi: Denge, Kinetik ve Termodinamik Çalışmalar**
Şenol Z. M.
Academic Platform Journal of Engineering and Science, vol.1, no.8, pp.15-21, 2020 (Peer-Reviewed Journal)
- IV. **Removal of Cationic Dye in Aquatic Medium by Using a New Composite Material**
Şenol Z. M., Şimşek S.
Cumhuriyet Science Journal, vol.39, pp.181-191, 2018 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Sadeleştirilmiş Anlatımıyla Temel Üniversite Kimyası**
Kanberoğlu G., Çaylak O., Saygı K. Ö., Sivrikaya Özak S., Güngör Ö., Polat Ü., Gürbüz A., Seven Erdemir Ü., Gündoğdu A., Çalmlı M. H., et al.
Akademisyen Kitabevi, Ankara, 2023

- II. **Green synthesis of nanoparticles for remediation organic pollutants in wastewater by adsorption**
El Messaoudi N., Ciğeroğlu Z., Hasdemir Z. M., Bouich A., Kazan-Kaya E. S., Noureen L., Pinê Américo-Pinheiro J. H.
in: Advances in Chemical Pollution, Environmental Management and Protection, Luiz Fernando Romanholo
Ferreira,Ajay Kumar,Muhammad Bilal,Damia Barcelo, Editor, Elsevier Science, Oxford/Amsterdam , New York,
pp.1-35, 2023
- III. **Beslenmede Antioksidan Bileşikler**
Hasdemir Z. M.
in: Güncel Biyokimya Çalışmaları IV, Doğan YÜCEL, Editor, Akademisyen Kitabevi, Ankara, pp.25-32, 2022

Refereed Congress / Symposium Publications in Proceedings

- I. **Effective removal of sunset yellow FCF food dye from wastewater by using a lemon peel-based hydrogel composite**
Şenol Z. M.
5th International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2024),
Ankara, Turkey, 26 - 28 June 2024
- II. **Kitosan-Polen Kompoziti Kullanılarak Sulu Çözüldüden Pb²⁺ İyonlarının Etkin Adsorpsiyonu: Denge, Kinetik Ve Termodinamik Çalışmalar**
Şenol Z. M., Keskin Z. S.
17. Ulusal Spektroskopi Kongresi, Zonguldak, Turkey, 30 May - 01 June 2024, pp.1-2
- III. **Doğal ve Biyoyumlu Polimer Kompozit Küreleri Kullanılarak Endüstriyel Atık Sulardan Sunset Yellow FCF ve Rodamin B boyalarının giderimi**
Şenol Z. M., Keskin Z. S.
17. Ulusal Spektroskopi Kongresi, Zonguldak, Turkey, 30 May - 01 June 2024, pp.1-2
- IV. **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
- V. **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
- VI. **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
- VII. **Removal of Uranyl Ions from Aqueous Solution by Using Chitosan-Sepiolite Composite**
HASDEMİR Z. M.
4th International virtual Conference on Physical Chemistry & Functional Materials, Turkey, 08 April 2021
- VIII. **Kitosan-vermikülit kompoziti kullanılarak sulu çözeltiden sunset yellow gıda boyasının etkin giderimi**
ŞİMŞEK S., HASDEMİR Z. M., GÜRSOY N.
3rdInternational Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2020), 19 - 20
March 2020
- IX. **Liken (Evernia prunasti) biyokütlesi kullanılarak sulu çözeltiden kurşun giderimi**
HASDEMİR Z. M., GÜL Ü. D., ŞİMŞEK S.
3rdInternational Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2020), 19 - 20
March 2020
- X. **Liken (Pseudoevernia furfuracea) biyokütlesi kullanılarak sulu çözeltiden Allura red giderimi**
HASDEMİR Z. M.
3rdInternational Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2020), 19 - 20
March 2020
- XI. **Kitosan-Diyatomit Kompoziti Kullanılarak Sulu Çözüldüden Kurşun Gideriminin Araştırılması**

HASDEMİR Z. M., ŞİMŞEK S.

31.Ulusal Kimya Kongresi, Turkey, 10 - 13 September 2019

- XII. **Likenlerden elde edilen biyosorbentlerin tekstil atık sularının arıtımında kullanım potansiyelinin belirlenmesi**
YAVUZ Ş. A., GÜL Ü. D., HASDEMİR Z. M.
2nd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2019), 28 June - 29 October 2019
- XIII. **TEKSTİL BOYALARI İLE KONTAMİNE ATIK SULARIN ARITIMINDA UCUZVE ÇEVRE DOSTU BİYOSORBENTLERİN KULLANIMI**
YAVUZ Ş. A., GÜL Ü. D., HASDEMİR Z. M.
2ND INTERNATIONAL EURASIAN CONFERENCE ON BIOLOGICAL AND CHEMICAL SCIENCES (EurasianBioChem 2019), Ankara, Turkey, 28 - 29 June 2019
- XIV. **LİKENLERİN TEKSTİL BOYASI GİDERİMİNE PH VE TEMAS SÜRESİNİN ETKİSİNİN BELİRLENMESİ**
YAVUZ Ş. A., GÜL Ü. D., HASDEMİR Z. M.
2. International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2019), Ankara, Turkey, 28 - 29 June 2019
- XV. **Synthesis and Characterization of Polyacrylamide-Titanium Dioxide (PAA-TiO₂) Composite**
ŞENOL ARSLAN D., HASDEMİR Z. M., ŞİMŞEK S.
2nd International Conference on Physical Chemistry Functional Materials, 25 - 27 June 2019
- XVI. **Food dyes adsorption from aqueous solutions by chitosan/vermiculite composite**
ŞİMŞEK S., HASDEMİR Z. M., GÜRİSOY N., KARAKUŞ N.
2nd International Conference on Physical Chemistry Functional Materials (PCFM 2019), 25 - 27 June 2019
- XVII. **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
- XVIII. **PAAm(Ch-Hap) kompozitinin sentezi ve kurşun ve toryum giderimindeki uygulamaları**
HASDEMİR Z. M., ULUSOY U.
V. Ulusal Çevre Kongresi, Turkey, 29 October - 01 November 2018
- XIX. **Poliakrilamid (Kitosan-Kırmızı Çamur) kompozit materyali kullanılarak sulu çözeltilerden kurşun ve toryum giderimi**
HASDEMİR Z. M., ULUSOY U.
V. Ulusal Çevre Kongresi, Turkey, 29 October - 01 November 2018
- XX. **Synthesis and Characterization of Polyacrylamide-Vermiculite Composite Adsorbent**
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4th International Symposium on Composite Materials (KOMPEGE 2018), 6 - 08 September 2018
- XXI. **A Novel Polymer/Mineral Composite: Synthesis and Characterization**
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- XXII. **Determination of Adsorptive Properties of Polyacrylamide-Dolomite Composite for Removal of Uranium from Aqueous Solution**
Hasdemir Z. M., Şimşek S., Ulusoy H. İ.
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- XXIII. **Removal of Uranium from Aqueous Solution by using Polyacrylamide-Vermiculite Composite**
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- XXIV. **Removal of Lead ions in aquatic medium by using Chitosan/Vermiculite composite beads**
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- XXV. **Adsorption of UO₂ onto Polyacrylamide-diatomite composite**
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- XXVI. **Synthesis and Characterization of Diatomite Composite Adsorbent**
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- XXVII. **Preparation and Properties of Dolomite Composite**
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- XXVIII. **Synthesis and Characterization of Polyacrylamide-Diatomite Composite**
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- XXIX. **Investigation of Structural Properties of Chitosan-Vermiculite Composite**
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- XXX. **Chelating Agent Grafted hydrogel for effective removal of uranyl Ions**
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- XXXI. **Removal of Cationic dye in aquatic medium by using a new composite material**
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- XXXIII. **Synthesis of Chitosan-vermiculite composite beads and Its Application for Uranly Removal**
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- XXXIV. **Synthesis of PAA XB composite and its application in uranyl removal**
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- XXXV. **Poliakrilamit Kırmızı Çamur Kompozitlerinin Sentezi ve Karakterizasyonu**
ŞENOL Z. M., BAYBAŞ D., ULUSOY U.
27. Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 - 28 August 2015
- XXXVI. **Poliakrilamit kırmızı çamur kompozitinin sentezi ve karakterizasyonu**
ŞENOL Z. M., BAYBAŞ D., ULUSOY U.
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- XXXVII. **Polietilen Hidroksiapatit Kil Nanokompozitlerinin Hazırlanması ve Karakterizasyonu**
EJDER KORUCU M., ŞENOL Z. M.
V. Fiziksel Kimya Kongresi, Turkey, 19 - 22 May 2015
- XXXVIII. **Poliakrilamit kitosan hidroksiapatit kompozitinin sentezi ve karakterizasyonu**
ŞENOL Z. M., ULUSOY U.
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- XXXIX. **Poliakrilamit kitosan hidroksiapatit kompozitinin şişme özelliğinin araştırılması**
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- XL. **Poliakrilamid bentonit zeolit kompozitlerine Tl ve Tl3 adsorpsiyonunun izotop Tl 201 seyreltme yöntemiyle araştırılması**
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- XLI. **Poliakrilamid bentonit ve poliakrilamid zeolit kompozitlerine 201Tl radyoizotopu kullanılarak Tl ve Tl3 adsorpsiyonunun araştırılması**
HASDEMİR Z. M., ULUSOY U.
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- XLII. **Poliakrilamid bentonit ve poliakrilamid zeolit kompozitlerine Tl 201Tl adsorpsiyonunun araştırılması**

HASDEMİR Z. M.

XXI. Ulusal Kimya Kongresi, Turkey, 23 - 27 August 2007

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- Hasdemir Z. M., Keskin Z. S., Project Supported by Higher Education Institutions, Ağır metal, anyonik ve katyonik boyaların biyosentezlenmiş ZnO nanopartikül ve bioatık üzerine adsorpsiyon mekanizmasının belirlenmesi, 2023 - 2025
- Hasdemir Z. M., Ertap H., Project Supported by Higher Education Institutions, Bentonit kompozit kürelerinin sentezi, karakterizasyonu ve sulu çözeltiden metil oranj boyasının giderimde adsorptif özelliklerinin araştırılması, 2023 - 2025
- Hasdemir Z. M., Keskin Z. S., Project Supported by Higher Education Institutions, Doğal ve biyoyumlu polimer kompozit küreleri kullanılarak endüstriyel atık sulardan sunset yellow FCF (E110) ve eritrosin (E127) gıda boyalarının giderimi, 2023 - 2024
- Hasdemir Z. M., Aktulum S. Ö., İpekli E., TUBITAK Project, Limon kabuğu temelli hidrojel kompozitin sentezi, karakterizasyonu ve sulu çözeltiden Pb²⁺ iyonları gideriminde adsorban özelliklerinin araştırılması, 2023 - 2024
- Keskin Z. S., Hasdemir Z. M., Project Supported by Higher Education Institutions, Tarımsal atık (Prunus mahalep kabuğu) kullanılarak sulu çözeltiden Pb²⁺ adsorpsiyonunun optimum koşullarının belirlenmesi, 2022 - 2023
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- Hasdemir Z. M., Şen N. E., TUBITAK Project, Allura red gıda boyasının atık sulardan gideriminde kitosan temelli kompozitin etkinliğinin araştırılması, 2022 - 2023
- Şimşek S., Gürsoy N., Hasdemir Z. M., Project Supported by Higher Education Institutions, Doğal polimer/mineral kompoziti kullanılarak gıda boyaları gideriminin araştırılması, 2019 - 2022
- Hasdemir Z. M., Şimşek S., Project Supported by Higher Education Institutions, Liken (Evernia prunastri) biyokütlesi kullanılarak sulu çözeltiden kurşun gideriminin araştırılması, 2019 - 2022
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- Hasdemir Z. M., Şimşek S., Project Supported by Higher Education Institutions, Poliakrilamid/diyatomit kompozit adsorbanının sentezi, karakterizasyonu ve uranyl iyonu için adsorban özelliklerinin araştırılması, 2017 - 2019
- Ulusoy H. İ., Şimşek S., Hasdemir Z. M., Project Supported by Higher Education Institutions, Synthesis and characterization of polyacrylamide/dolomite and polyacrylamide/vermiculite composite adsorbents and investigation of uranyl adsorption to these adsorbents, 2017 - 2019
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- Hasdemir Z. M., Ulusoy U., Project Supported by Higher Education Institutions, Poliakrilamid Bentonit ve Poliakrilamid Zeolit Kompozitlerine Tl ve Tl³ adsorpsiyonunun izotop seyreltme yöntemiyle araştırılması, 2006 - 2008

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Scientific Refereeing

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, Journal Indexed in SCI-E, June 2024

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Scientific Consultations

TÜBİTAK, Project Consultancy, Sivas Cumhuriyet University, Sağlık Bilimleri Fakültesi, Beslenme Ve Diyetetik Bölümü,
Turkey, 2024 - 2024

Metrics

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Awards

Hasdemir Z. M., Garanti Bilim Teşvik Ödülü, Fen Bilimleri Dalında Üçüncülük, Garanti Bilim Teşvik Ödülü, February 2012

Hasdemir Z. M., Kimya Bölüm Birinciliği, Sivas Cumhuriyet Üniversitesi, June 2004