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Personal Information

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Education Information

Doctorate, Hacettepe University, Fen Bilimler, Kimya Mühendisliği, Turkey 1999 - 2003

Postgraduate, Hacettepe University, Fen Bilimler, Kimya, Turkey 1998 - 1999

Undergraduate, Ankara University, Mühendislik, Kimya Mühendisliği, Turkey 1989 - 1994

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Akışkan Yatak Biyofilm Reaktörde (AYBR) Peyniraltı Atıksuyunun Arıtılması ve Sistem Performansının Modellenmesi, Hacettepe University, Mühendislik Fakültesi, Kimya Mühendisliği, 2003

Postgraduate, 1-Naftol'ün Enzimatik Polimerizasyonunun ve Reaksiyon Kinetiğinin İncelenmesi, Hacettepe University, Fen Fakültesi, Kimya, 1999

Research Areas

Chemical Engineering and Technology, Engineering and Technology

Academic Titles / Tasks

Professor, Van Yüzüncü Yıl University, Mühendislik-Mimarlık, Kimya Mühendisliği, 2011 - Continues

Associate Professor, Van Yüzüncü Yıl University, Mühendislik Fakültesi, Kimya Mühendisliği, 2006 - 2011

Assistant Professor, Van Yüzüncü Yıl University, Mühendislik Fakültesi, Kimya Mühendisliği, 2003 - 2006

Research Assistant, Hacettepe University, Mühendislik Fakültesi, Kimya Mühendisliği, 1997 - 2000

Research Assistant, Van Yüzüncü Yıl University, Fen Edebiyat Fakültesi, Kimya, 1996 - 1997

Academic and Administrative Experience

Van Yüzüncü Yıl University, Van Yüzüncü Yıl Üniversitesi Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2015 - 2018

Van Yüzüncü Yıl University, Van Yüzüncü Yıl Üniversitesi Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 2015 - 2018

Van Yüzüncü Yıl University, 2013 - 2016

Van Yüzüncü Yıl University, 2007 - 2009

Van Yüzüncü Yil University, 2004 - 2007

Van Yüzüncü Yil University, Mühendislik Fakültesi, Kimya Mühendisliği, 2003 - 2007

Courses

Temel Taşınım Olayları II, Postgraduate, 2015 - 2016

Proses Tasarım, Undergraduate, 2007 - 2008

Advising Theses

Aktaş N., TARIMSAL UYGULAMALARDA KULLANILMASI AMACIYLA KOMPOZİT HİDROJEL MALZEMELERİN HAZIRLANMASI, Doctorate, T.Erşen(Student), 2018

Aktaş N., HİDROJEL VE KOMPOZİTLERİN SENTEZİ, KARAKTERİZASYONU VE BAZI RADYONÜKLEİTLERİN SULU ORTAMDAN KAZANIMI, Doctorate, D.Alpaslan(Student), 2014

Aktaş N., Maya kültürlerinin büyüme ortamlarının optimizasyonu ve biyofilm oluşturma özelliklerinin araştırılması, Doctorate, V.Yönten(Student), 2010

Aktaş N., Poli-anilinin enzimatik olarak sentezlenmesi ve reaksiyon koşullarının optimize edilmesi, Postgraduate, A.Aldemir(Student), 2008

Aktaş N., Fenol'ün enzimatik oksidatif polimerizasyonu ve reaksiyon kinetiğinin modellenmesi, Postgraduate, M.Şengör(Student), 2006

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Selective Electrochemical Determination of L-Cysteine by a Cobalt Carbon Nanotube (CNT)-Modified Glassy Carbon Electrode (GCE)**
DEMİR KIVRAK H., Selcuk K., Caglar A., Aktaş N.
Analytical Letters, 2024 (SCI-Expanded)
- II. **p(thyme oil) and p(clove oil) organo-particles with biocompatible, anticancer, antioxidant, and antibacterial properties against Capan-1 and L-929 cells**
Alpaslan D., Erşen Dudu T., Moran Bozer B., Aktaş N., Turk M.
Canadian Journal of Chemical Engineering, vol.102, no.1, pp.76-87, 2024 (SCI-Expanded)
- III. **The enhanced TiO₂-supported CdTe photocatalysts for photocatalytic hydrogen peroxide electrooxidation**
Caglar A., Gözde Sayin A., Aktaş N., DEMİR KIVRAK H.
Journal of Photochemistry and Photobiology A: Chemistry, vol.445, 2023 (SCI-Expanded)
- IV. **Characterization of p(PmO), p(LO) and p(RO) organoparticles, their bioactivity properties and their effect on pancreatic cancer Capan-1 cell**
Alpaslan D., Turan A., Erşen Dudu T., Moran Bozer B., Aktaş N., Turk M.
Materials Chemistry and Physics, vol.305, 2023 (SCI-Expanded)
- V. **A novel carbohydrate antigen 125 electrochemical sensor based on sweet almond oil organo-hydrogels**
Er O. F., Alpaslan D., Dudu T. E., Aktas N., Çelik S., DEMİR KIVRAK H.
Materials Chemistry and Physics, vol.298, 2023 (SCI-Expanded)
- VI. **Carbon Nanotube Supported CdM(S, Se)/CdTe Anode Catalysts for Electrooxidation of Glucose in Alkaline Media**
Caglar A., DEMİR KIVRAK H., Aktaş N.
ChemistrySelect, vol.8, no.12, 2023 (SCI-Expanded)
- VII. **Synthesis of Poly(ginger oil) Organo Particles as a Metal Free Catalysis and Their Use in Hydrogen**

Production from Sodium Borohydride Methanolysis

Alpaslan D., Erşen Dudu T., Aktaş N.

JOURNAL OF POLYMERS AND THE ENVIRONMENT, vol.31, no.3, pp.1191-1201, 2023 (SCI-Expanded)

- VIII. **Development of onion oil-based organo-hydrogel for drug delivery material**
Alpaslan D., Erşen Dudu T., Aktaş N.
JOURNAL OF DISPERSION SCIENCE AND TECHNOLOGY, vol.44, no.5, pp.750-762, 2023 (SCI-Expanded)
- IX. **Synthesis of controlled release hydrogels from dimethylacrylamide/maleic acid/starch and its application in lettuce cultivation**
Dudu T. E., Alpaslan D., Aktaş N.
Journal of Polymer Research, vol.29, no.12, 2022 (SCI-Expanded)
- X. **Novel Cacao oil-based organo-hydrogels to detect carcinoma antigen 125 in serum medium; synthesis, characterization, and electrochemical measurements**
Er O. F., Alpaslan D., Erşen Dudu T., Aktaş N., DEMİR KIVRAK H.
MATERIALS CHEMISTRY AND PHYSICS, vol.292, 2022 (SCI-Expanded)
- XI. **Photocatalytic glucose electrooxidation of titanium dioxide doped CdTe enhanced for a photocatalytic fuel cell**
Caglar A., Aktaş N., Kivrak H.
FUEL, vol.330, 2022 (SCI-Expanded)
- XII. **Hydrogen Production from Methanolysis of Sodium Borohydride by Non-metal p(CO) Organo-particles Synthesized from Castor Oil**
Erşen Dudu T., Alpaslan D., Aktaş N.
JOURNAL OF POLYMERS AND THE ENVIRONMENT, vol.30, no.11, pp.4562-4570, 2022 (SCI-Expanded)
- XIII. **Promoting formic acid and ethylene glycol electrooxidation activity on Ga modified Pd based catalysts**
DEMİR KIVRAK H., Aktaş N.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.47, no.83, pp.35265-35274, 2022 (SCI-Expanded)
- XIV. **Superabsorbent hydrogels based on N,N-dimethylacrylamide and maleic acid for applications in agriculture as water purifier and nitrogen carrier**
Erşen Dudu T., Alpaslan D., Aktaş N.
POLYMER BULLETIN, vol.79, no.10, pp.8551-8573, 2022 (SCI-Expanded)
- XV. **The role and effect of CdS-based TiO₂ photocatalysts enhanced with a wetness impregnation method for efficient photocatalytic glucose electrooxidation**
Caglar A., Aktaş N., Kivrak H.
SURFACES AND INTERFACES, vol.33, 2022 (SCI-Expanded)
- XVI. **Novel gallium-based voltammetric sensor for sensitive detection of cysteine**
Selcuk K., Caglar A., Aktaş N., DEMİR KIVRAK H.
JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS, vol.169, 2022 (SCI-Expanded)
- XVII. **The effect of different carbon-based CdTe alloys for efficient photocatalytic glucose electrooxidation**
Caglar A., Er O. F., Aktaş N., DEMİR KIVRAK H.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.920, 2022 (SCI-Expanded)
- XVIII. **Non-Metal Polymeric Bioparticles Based on Maleic Acid/Citric Acid as a Catalyst for H₂ Generation from NaBH₄**
Alpaslan D., Erşen Dudu T., Aktaş N.
JOURNAL OF POLYMERS AND THE ENVIRONMENT, vol.30, no.9, pp.3656-3664, 2022 (SCI-Expanded)
- XIX. **Evaluation of poly(agar-co-glycerol-co-castor oil) organo-hydrogel as a controlled release system carrier support material**
Alpaslan D., Erşen Dudu T., Aktaş N.
POLYMER BULLETIN, vol.79, no.8, pp.5901-5922, 2022 (SCI-Expanded)
- XX. **The effect of titanium dioxide-supported CdSe photocatalysts enhanced for photocatalytic glucose electrooxidation under UV illumination**
Caglar A., DEMİR KIVRAK H., Aktaş N.

- INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.47, no.49, pp.21130-21145, 2022 (SCI-Expanded)
- XXI. **Agar and Sesame Oil Based Organo-Hydrogels as a Pharmaceutical Excipient in Paracetamol/Carboplatin Release Systems**
Alpaslan D., Erşen Dudu T., Aktaş N.
INDIAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.84, no.2, pp.358-368, 2022 (SCI-Expanded)
- XXII. **pH-Responsive Amphoteric p (APTMACI-co-AMPS) Hydrogel as Effective Multiple Dye Sponge Network From Aqueous Media**
Demirci S., Ari B., Aktaş N., ŞAHİNER N.
FRONTIERS IN MATERIALS, vol.9, 2022 (SCI-Expanded)
- XXIII. **Application of Poly (Agar-Co-Glycerol-Co-Sweet Almond Oil) Based Organo-Hydrogels as a Drug Delivery Material**
Erşen Dudu T., Alpaslan D., Aktaş N.
JOURNAL OF POLYMERS AND THE ENVIRONMENT, vol.30, no.2, pp.483-493, 2022 (SCI-Expanded)
- XXIV. **Use of Coconut Oil-Based Organo-Hydrogels in Pharmaceutical Applications**
Alpaslan D., Olak T., Turan A., Erşen Dudu T., Aktaş N.
JOURNAL OF POLYMERS AND THE ENVIRONMENT, vol.30, no.2, pp.666-680, 2022 (SCI-Expanded)
- XXV. **Development of Urea Uptake and Release Studies Using N, N-Dimethylacrylamide/Maleic Acid/Citric Acid Based Macrogel**
Erşen Dudu T., Alpaslan D., Aktaş N.
JOURNAL OF POLYMERS AND THE ENVIRONMENT, vol.29, no.11, pp.3636-3648, 2021 (SCI-Expanded)
- XXVI. **A garlic oil-based organo-hydrogel for use in pH-sensitive drug release**
Alpaslan D., Olak T., Turan A., Erşen Dudu T., Aktaş N.
CHEMICAL PAPERS, vol.75, no.11, pp.5759-5772, 2021 (SCI-Expanded)
- XXVII. **Synthesis and characterization of biocompatible poly(maleic acid-co-citric acid) microparticles as a smart carrier for thiamine**
Alpaslan D., Erşen Dudu T., Kubilay Ş., Aktaş N.
POLYMER BULLETIN, vol.78, no.11, pp.6305-6320, 2021 (SCI-Expanded)
- XXVIII. **Nanostructured electrochemical cysteine sensor based on carbon nanotube supported Ru, Pd, and Pt catalysts**
DEMİR KIVRAK H., Selcuk K., Er O. F., Aktaş N.
MATERIALS CHEMISTRY AND PHYSICS, vol.267, 2021 (SCI-Expanded)
- XXIX. **Electrochemical Cysteine Sensor on Novel Ruthenium Based Ternary Catalyst**
DEMİR KIVRAK H., Selcuk K., Er O. F., Aktaş N.
INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE, vol.16, no.5, 2021 (SCI-Expanded)
- XXX. **Catalytic performance of boron-containing magnetic metal nanoparticles in methylene blue degradation reaction and mixture with other pollutants**
MEYDAN E., Demirci S., Aktaş N., ŞAHİNER N., ÖZTÜRK Ö. F.
INORGANIC CHEMISTRY COMMUNICATIONS, vol.126, 2021 (SCI-Expanded)
- XXXI. **Fabrication of Carbon-Doped Titanium Dioxide Nanotubes as Anode Materials for Photocatalytic Glucose Fuel Cells**
Caglar A., Demir Kivrak H., Aktaş N., Solak A. O.
JOURNAL OF ELECTRONIC MATERIALS, vol.50, no.4, pp.2242-2253, 2021 (SCI-Expanded)
- XXXII. **Synthesis and characterization of novel organo-hydrogel based agar, glycerol and peppermint oil as a natural drug carrier/release material**
Alpaslan D., Erşen Dudu T., Aktaş N.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.118, 2021 (SCI-Expanded)
- XXXIII. **Developing poly(Agar-co-Glycerol-co-Thyme Oil) based organo-hydrogels for the controlled drug release applications**
Olak T., Turan A., Alpaslan D., Erşen Dudu T., Aktaş N.
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.60, 2020 (SCI-Expanded)

- XXXIV. **Urea Uptake and Release by Novel Macrogels from Dimethylacrylamide**
Erşen Dudu T., Alpaslan D., Aktaş N.
COMMUNICATIONS IN SOIL SCIENCE AND PLANT ANALYSIS, 2019 (SCI-Expanded)
- XXXV. **Synthesis, characterization, and voltammetric hydrogen peroxide sensing on novel monometallic (Ag, Co/MWCNT) and bimetallic (AgCo/MWCNT) alloy nanoparticles**
Çelik Kazıcı H., Salman F., Caglar A., Demir Kıvrak H., Aktaş N.
FULLERENES NANOTUBES AND CARBON NANOSTRUCTURES, vol.26, no.3, pp.145-151, 2018 (SCI-Expanded)
- XXXVI. **Utilization of Hydrogel-Fungus Composites as Absorbents for Removal of Textile Dyes from Aqueous Media**
Erşen Dudu T., Alpaslan D., Uzun Y., Aktaş N.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH, vol.11, pp.557-568, 2017 (SCI-Expanded)
- XXXVII. **Synthesis, Characterization, and Use of Carbon Microspheres for Removal of Different Dyes from Aqueous Environments**
ŞAHİNER N., FAROOQ M., REHMAN S. U., Sagbas S., Sahiner M., SIDDIQ M., Aktaş N.
WATER AIR AND SOIL POLLUTION, vol.228, no.10, 2017 (SCI-Expanded)
- XXXVIII. **H-2 generation from NaBH₄ methanolysis via magnetic field sensitive ionic liquid coated silica particles as catalyst**
ŞAHİNER N., Yasar A. O., Aktaş N.
SURFACES AND INTERFACES, vol.8, pp.36-44, 2017 (SCI-Expanded)
- XXXIX. **Superporous cryogel/conductive composite systems for potential sensor applications**
ŞAHİNER N., Demirci S., Aktaş N.
JOURNAL OF POLYMER RESEARCH, vol.24, no.8, 2017 (SCI-Expanded)
- XL. **Removal of arsenate and dichromate ions from different aqueous media by amine based p(TAEA-co-GDE) microgels**
REHMAN S. U., KHAN A. R., Sahiner M., Sengel S. B., Aktaş N., SIDDIQ M., ŞAHİNER N.
JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.197, pp.631-641, 2017 (SCI-Expanded)
- XLI. **Gum Arabic Microgels As Template for In Situ Metal-Sulfide Based Quantum Dots Preparation and Their Thermal, Spectroscopic, Optical, and Magnetic Characterization**
FAROOQ M., Sagbas S., YILDIZ M., Meral K., SIDDIQ M., Aktaş N., ŞAHİNER N.
JOURNAL OF ELECTRONIC MATERIALS, vol.46, no.7, pp.4373-4383, 2017 (SCI-Expanded)
- XLII. **Halloysite-carboxymethyl cellulose cryogel composite from natural sources**
Sengel S. B., Sahiner M., Aktas N., ŞAHİNER N.
APPLIED CLAY SCIENCE, vol.140, pp.66-74, 2017 (SCI-Expanded)
- XLIII. **Metal-free pyridinium-based polymeric ionic liquids as catalyst for H-2 generation from NaBH₄**
ŞAHİNER N., Yasar A. O., Aktaş N.
RENEWABLE ENERGY, vol.101, pp.1005-1012, 2017 (SCI-Expanded)
- XLIV. **Synthesis, characterization and modification of Gum Arabic microgels for hemocompatibility and antimicrobial studies**
FAROOQ M., Sagbas S., Sahiner M., SIDDIQ M., Turk M., Aktaş N., ŞAHİNER N.
CARBOHYDRATE POLYMERS, vol.156, pp.380-389, 2017 (SCI-Expanded)
- XLV. **0D, 1D, 2D, and 3D Soft and Hard Templates for Catalysis**
Butun S., Demirci S., Yasar A. O., SAĞBAŞ SUNER S., Aktaş N., ŞAHİNER N.
MORPHOLOGICAL, COMPOSITIONAL, AND SHAPE CONTROL OF MATERIALS FOR CATALYSIS, vol.177, pp.317-357, 2017 (SCI-Expanded)
- XLVI. **An alternative to metal catalysts: Poly(4-vinyl pyridine)-based polymeric ionic liquid catalyst for H-2 generation from hydrolysis and methanolysis of NaBH₄**
ŞAHİNER N., Yasar A. O., Aktaş N.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.41, no.45, pp.20562-20572, 2016 (SCI-Expanded)
- XLVII. **Milk hydrogels as nutrient media and survival rate enhancer under cryogenic conditions for different microorganisms**
Alpaslan D., Sahiner M., YÜCEER Y., AKÇALI A., Aktaş N., ŞAHİNER N.

POLYMER BULLETIN, vol.73, no.12, pp.3351-3370, 2016 (SCI-Expanded)

- XLVIII. **Environmental usage of poly(2-acrylamido-2-methyl-1-propanesulfonic acid sodium salt-co-3-acrylamidopropyl-trimethyl ammonium chloride)-*Lentinus tigrinus* (Bull.) Fr. composite hydrogel**
Alpaslan D., Erşen Dudu T., Kubilay Ş., Uzun Y., Savran A., Aktaş N.
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, vol.252, 2016 (SCI-Expanded)
- XLIX. **Optimization with response surface methodology of toluidine blue biosorption conditions from aqueous solutions by *Polyporus squamosus* (Huds.) Fr. and *Lentinus tigrinus* (Bull.) Fr. fungi as biosorbent**
Alpaslan D., Erşen Dudu T., Kubilay Ş., Uzun Y., Kul A. R., Aktaş N.
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, vol.252, 2016 (SCI-Expanded)
- L. **Preparation of macro-, micro-, and nano-sized poly(Tannic acid) particles with controllable degradability and multiple biomedical uses**
ŞAHİNER N., Sagbas S., Aktaş N.
POLYMER DEGRADATION AND STABILITY, vol.129, pp.96-105, 2016 (SCI-Expanded)
- LI. **Optimization of biosorption of Zn(II) ions from aqueous solutions with low-cost biomass *Trametes versicolor* and the evaluation of kinetic and thermodynamic parameters**
Şahan T., Ceylan H., Aktaş N.
DESALINATION AND WATER TREATMENT, vol.57, no.26, pp.12156-12167, 2016 (SCI-Expanded)
- LII. **Inherently antioxidant and antimicrobial tannic acid release from poly(tannic acid) nanoparticles with controllable degradability**
ŞAHİNER N., Sagbas S., Aktaş N., SILAN C.
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.142, pp.334-343, 2016 (SCI-Expanded)
- LIIL. **Introduction of double amidoxime group by double post surface modification on poly(vinylbenzyl chloride) beads for higher amounts of organic dyes, As (V) and Cr (VI) removal**
AJMAL M., Demirci S., Uzun Y., SIDDIQ M., Aktaş N., ŞAHİNER N.
JOURNAL OF COLLOID AND INTERFACE SCIENCE, vol.470, pp.39-46, 2016 (SCI-Expanded)
- LIV. **Preparation and characterization of monodisperse, mesoporous natural poly(tannic acid)-silica nanoparticle composites with antioxidant properties**
ŞAHİNER N., Sagbas S., Aktaş N.
MICROPOROUS AND MESOPOROUS MATERIALS, vol.226, pp.316-324, 2016 (SCI-Expanded)
- LV. **Amidoximated poly(acrylonitrile) particles for environmental applications: Removal of heavy metal ions, dyes, and herbicides from water with different sources**
AJMAL M., Demirci S., SIDDIQ M., Aktaş N., ŞAHİNER N.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.133, no.7, 2016 (SCI-Expanded)
- LVI. **Fast removal of high quantities of toxic arsenate via cationic p(APTMACI) microgels**
REHMAN S. U., SIDDIQ M., AL-LOHEDAN H., Aktaş N., Sahiner M., Demirci S., SAHİNER N.
JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.166, pp.217-226, 2016 (SCI-Expanded)
- LVII. **Simultaneous catalytic degradation/reduction of multiple organic compounds by modifiable p(methacrylic acid-co-acrylonitrile)-M (M: Cu, Co) microgel catalyst composites**
AJMAL M., Demirci S., SIDDIQ M., Aktaş N., ŞAHİNER N.
NEW JOURNAL OF CHEMISTRY, vol.40, no.2, pp.1485-1496, 2016 (SCI-Expanded)
- LVIII. **Biocompatible and biodegradable poly(Tannic Acid) hydrogel with antimicrobial and antioxidant properties**
ŞAHİNER N., Sagbas S., Sahiner M., SILAN C., Aktaş N., Turk M.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.82, pp.150-159, 2016 (SCI-Expanded)
- LIX. **Betaine microgel preparation from 2-(methacryloyloxy) ethyl] dimethyl (3-sulfopropyl) ammonium hydroxide and its use as a catalyst system**
AJMAL M., Demirci S., SIDDIQ M., Aktaş N., ŞAHİNER N.
COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, vol.486, pp.29-37, 2015 (SCI-Expanded)
- LX. **Modified biofunctional p(tannic acid) microgels and their antimicrobial activity**

Sagbas S., Aktaş N., ŞAHİNER N.

APPLIED SURFACE SCIENCE, vol.354, pp.306-313, 2015 (SCI-Expanded)

- LXI. **Removal of As(V), Cr(III) and Cr(VI) from aqueous environments by poly(acrylonitril-co-acrylamidopropyl-trimethyl ammonium chloride)-based hydrogels**
DUDU T. E., Sahiner M., Alpaslan D., Demirci S., Aktaş N.
JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.161, pp.243-251, 2015 (SCI-Expanded)
- LXII. **Single step natural poly(tannic acid) particle preparation as multitalented biomaterial**
ŞAHİNER N., Sagbas S., Aktaş N.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.49, pp.824-834, 2015 (SCI-Expanded)
- LXIII. **NH₃ gas sensing applications of metal organic frameworks**
SEL K., Demirci S., ÖZTÜRK Ö. F., Aktaş N., ŞAHİNER N.
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- LXIV. **Dicationic poly(4-vinyl pyridinium) ionic liquid capsules as template for Co nanoparticle preparation and H₂ production from hydrolysis of NaBH₄**
SAHİNER N., Yasar A. O., Aktaş N.
JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY, vol.23, pp.100-108, 2015 (SCI-Expanded)
- LXV. **Environmental application of PEI based hydrogels in different morphology and sizes: Bulk, microgel, and cryogel**
ŞAHİNER N., Demirci S., Sahiner M., Al-Lohedan H., Aktaş N.
ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY, vol.249, 2015 (SCI-Expanded)
- LXVI. **Monodisperse polymeric ionic liquid microgels by post modifications and their versatile biomedical applications**
ŞAHİNER N., Yasar A., Yildiz S., Demirci S., Aktaş N.
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- LXVII. **Natural p(TA) hydrogel and microgel networks for diverse potential biomedical uses**
ŞAHİNER N., SAĞBAŞ SUNER S., Sahiner M., Aktaş N.
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- LXVIII. **Very fast catalytic reduction of 4-nitrophenol, methylene blue and eosin Y in natural waters using green chemistry: p(tannic acid)-Cu ionic liquid composites**
ŞAHİNER N., Sagbas S., Aktaş N.
RSC ADVANCES, vol.5, no.24, pp.18183-18195, 2015 (SCI-Expanded)
- LXIX. **Magnetic Co-Fe bimetallic nanoparticle containing modifiable microgels for the removal of heavy metal ions, organic dyes and herbicides from aqueous media**
AJMAL M., SIDDIQ M., Aktaş N., ŞAHİNER N.
RSC ADVANCES, vol.5, no.54, pp.43873-43884, 2015 (SCI-Expanded)
- LXX. **Metal nanoparticle-embedded super porous poly(3-sulfopropyl methacrylate) cryogel for H₂ production from chemical hydride hydrolysis**
Yildiz S., Aktaş N., ŞAHİNER N.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.39, no.27, pp.14690-14700, 2014 (SCI-Expanded)
- LXXI. **Influence of the Medium Conditions on Enzymatic Oxidation of Bisphenol A**
Yalçınkaya Z., GUN S., Şahan T., BIRHANLI E., ŞAHİNER N., Aktaş N., YESİLADA O.
CANADIAN JOURNAL OF CHEMICAL ENGINEERING, vol.92, no.4, pp.712-719, 2014 (SCI-Expanded)
- LXXII. **EXPLORING THE OPTIMUM CONDITIONS FOR MAXIMIZING THE MICROBIAL GROWTH OF Candida intermedia BY RESPONSE SURFACE METHODOLOGY**
YONTEN V., Aktaş N.
PREPARATIVE BIOCHEMISTRY & BIOTECHNOLOGY, vol.44, no.1, pp.26-39, 2014 (SCI-Expanded)
- LXXIII. **Biochar-Embedded Soft Hydrogel and Their Use in Ag Nanoparticle Preparation and Reduction of 4-Nitro Phenol**
ŞAHİNER N., Karakoyun N., Alpaslan D., Aktaş N.
INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS, vol.62, no.11, pp.590-

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80th Prague Meeting on Macromolecules "Self-Assembly in the World of Polymers, Attendee, Praha, Czech Republic, 2016

2nd INTERNATIONAL CONGRESS ON APPLIED BIOLOGICAL SCIENCES, Attendee, Sarajevo, Bosnia And Herzegovina, 2016

5th INTERNATIONAL CONFERENCE OF ECOSYSTEMS, Attendee, Tiranë, Albania, 2015

245th ACS National Meeting & Exposition, Attendee, Louisiana, United States Of America, 2013

Non Academic Experience

Kyrgyz-Turkish Manas University

Yüzüncü Yıl Üniversitesi