

Prof. BİLGEN OSMAN

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International Researcher IDs

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Publons / Web Of Science ResearcherID: ABF-4791-2020

ScopusID: 15221651200

Yoksis Researcher ID: 157932

Education Information

Doctorate, Bursa Uludağ University, FEN BİLİMLERİ ENSTİTÜSÜ, Kimya (Dr), Turkey 2005 - 2011

Postgraduate, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, KİMYA, Turkey 2000 - 2004

Undergraduate, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, KİMYA, Turkey 1994 - 1998

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Development of molecular imprinted surface plasmon resonance biosensor for myoglobin determination, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, KİMYA, 2011

Postgraduate, Immobilization of α -amylase and invertase enzymes on poly (ethylene glycole dimethacrylate-n-vinyl imidazole) polymer, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, KİMYA, 2004

Research Areas

Chemistry, Biochemistry, Functional Polymers, Polymeric Materials, Natural Sciences

Academic Titles / Tasks

Professor, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, KİMYA, 2020 - Continues

Associate Professor, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, KİMYA, 2014 - 2020

Research Assistant, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, KİMYA, 2000 - 2014

Academic and Administrative Experience

Dean, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Kimya, 2023 - Continues
Head of Department, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Kimya, 2015 - 2025
BAP Scientific Commissioner, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Kimya, 2019 - 2023
Vice Dean, Bursa Uludağ University, Fen-Edebiyat Fakültesi, 2019 - 2023

Courses

Seminer, Doctorate, 2022 - 2023
Seminer, Postgraduate, 2022 - 2023, 2021 - 2022
Yüksek Lisans Uzmanlık Alan Dersi, Postgraduate, 2022 - 2023
Tez Danışmanlığı II, Doctorate, 2022 - 2023
Yüksek Lisans Uzmanlık alan Dersi III, Postgraduate, 2023 - 2024
Tez Danışmanlığı III, Postgraduate, 2023 - 2024, 2022 - 2023
Tez Danışmanlığı II, Postgraduate, 2022 - 2023, 2021 - 2022
Tez danışmanlığı IV, Postgraduate, 2022 - 2023, 2021 - 2022
Doktora Uzmanlık alan Dersi II, Doctorate, 2022 - 2023
Biyokimya Laboratuvarı, Undergraduate, 2022 - 2023, 2021 - 2022
Biochemistry and Biomaterials, Undergraduate, 2023 - 2024
Bitirme Çalışması II, Undergraduate, 2022 - 2023, 2021 - 2022
Biochemistry, Undergraduate, 2022 - 2023, 2021 - 2022
Biyomoleküllerin İleri Analiz Yöntemleri, Postgraduate, 2022 - 2023, 2021 - 2022
Principles of Biochemistry, Undergraduate, 2023 - 2024, 2022 - 2023
Bitirme Çalışması I, Undergraduate, 2023 - 2024, 2022 - 2023
Biyomalzemelere Giriş, Postgraduate, 2023 - 2024, 2022 - 2023
Biyomoleküllerin Kimyası, Undergraduate, 2021 - 2022
Yüksek lisans uzmanlık alan dersi IV, Postgraduate, 2021 - 2022
Tez Danışmanlığı I, Doctorate, 2022 - 2023
Yüksek Lisans Uzmanlık Alan Dersi , Postgraduate, 2022 - 2023
Doktora Uzmanlık Alan Dersi, Doctorate, 2022 - 2023
Tez Danışmanlığı I, Postgraduate, 2022 - 2023
Tez Danışmanlığı IV, Postgraduate, 2021 - 2022

Advising Theses

Osman B., Kemoterapik ajan L-asparajınazın Cu(II) iyonları içeren polimerik nanopartiküllere immobilizasyonu ve etkinliğinin araştırılması, Postgraduate, K.KAYA(Student), 2024
Osman B., Seragenin Yüklü Hidrojel Sentezi ve İlaç Salım Özelliklerinin Araştırılması, Postgraduate, N.Y.(Student), 2023
Osman B., IMMOBILIZATION OF HORSERADISH PEROXIDASE ENZYME ONTO POLYMERIC MICROBEADS AND ITS USAGE IN DYE DECOLORIZATION, Postgraduate, A.ZHUMABEKOVA(Student), 2023
Osman B., Amoksisilin baskılanmış polimerik nanopartikül gömülü nanolifli yüzeyin hazırlanması ve ilaç salım özelliklerinin araştırılması, Postgraduate, A.ÇERÇİ(Student), 2022
Karaca E., Osman B., Glokom tedavisinde kullanılmak üzere latanoprost ilacı yüklü pva nanolifli yüzey üretimi, karakterizasyonu ve ilaç salım performansının değerlendirilmesi, Postgraduate, M.İLKAY(Student), 2022
Osman B., Tetracycline removal from aqueous solution via affinity microspheres, Postgraduate, R.KARALI(Student), 2020
Tümay Özer E., Osman B., Development of a new solid phase extraction method for determination of some organophosphorous pesticides with GC-MS in surface waters, Postgraduate, B.PARLAK(Student), 2019
Osman B., Synthesis and characterization of tetracycline imprinted nanoparticle embedded cryogel and investigation of adsorption parameters, Doctorate, E.YEŞİLOVA(Student), 2019

Osman B., Synthesis and characterization of molecular imprinted nanoparticle embedded p(AAm-MMA) cryogel for uric acid adsorption, Postgraduate, M.GÜMRÜKÜ(Student), 2018
Osman B., Preparation and characterization of nanoparticle-based superhydrophobic surface, Postgraduate, T.AYDEMİR(Student), 2017
Osman B., Development of molecular imprinted surface plasmon resonance biosensor for uric acid determination, Doctorate, A.GÖÇENOĞLU(Student), 2016

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Synthesis, enzyme inhibition and molecular docking studies of novel 1,2,4-oxadiazole thioether derivatives**
ARIKAN ÖLMEZ N., NOMA S. A. A., Kaya Y., OSMAN B.
Medicinal Chemistry Research, vol.33, no.11, pp.2150-2168, 2024 (SCI-Expanded)
- II. **Synthesis and Molecular Docking Studies of New Ibuprofen Derivatives as AChE, BChE, and COX-2 Inhibitors**
Gündoğdu Hızlıateş C., Aydın E., Noma S. A. A., Kaya Y., Osman B., Demir M. N.
CHEMISTRYSELECT, vol.9, no.e202403781, pp.1-9, 2024 (SCI-Expanded)
- III. **Decolorization of Congo Red and Reactive Black 5 Dyes with Horseradish Peroxidase-Immobilized Cross-Linked Polymeric Microbeads**
Zhumabekova A., Noma S. A. A., Tümay Özer E., Osman B.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.49, no.7, pp.9395-9412, 2024 (SCI-Expanded)
- IV. **Congo red removal from aqueous solution via biosorption onto Trametes trogii-loaded poly(hydroxyethyl methacrylate) cryogel**
Göçenoğlu Sarıkaya A., Erden Kopar E., Osman B.
Journal of Polymer Science, vol.1, no.62, pp.4302-4314, 2024 (SCI-Expanded)
- V. **Preparation and Characterization of Amoxicillin-Loaded Polyvinyl Alcohol/Sodium Alginate Nanofibrous Mat: Drug Release Properties, Antibacterial Activity, and Cytotoxicity**
Cerci A., Demir E. S., KARACA E., Guzel C. B., OSMAN B.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, 2024 (SCI-Expanded)
- VI. **A New Lotus-Leaf-Inspired Beaded Nanofiber Strategy for the Development of Cryogel/Nanofiber Hybrid Structures**
KANMAZ D., OSMAN B., KARACA E.
Fibers and Polymers, vol.25, no.4, pp.1233-1242, 2024 (SCI-Expanded)
- VII. **A New Design to Enhance the Enzyme Activities: Investigation of L-Asparaginase Catalytic Performance by IMAC Effect on g-C₃N₄ Nanolayers**
Sert B., Acet Ö., NOMA S. A. A., OSMAN B., Odabaşı M., Ocakoglu K.
Catalysis Letters, vol.154, no.4, pp.1547-1557, 2024 (SCI-Expanded)
- VIII. **Biosorption of tetracycline antibiotics by Lactarius deliciosus biomass**
Göçenoğlu Sarıkaya A., Osman B., Tümay Özer E.
CHEMICAL ENGINEERING COMMUNICATIONS, vol.211, no.4, pp.592-602, 2024 (SCI-Expanded)
- IX. **Dummy molecularly imprinted polymer-based solid-phase extraction method for the determination of some phthalate monoesters in urine by gas chromatography–mass spectrometry analysis**
Küçük M., Osman B., Tümay Özer E.
JOURNAL OF CHROMATOGRAPHY, no.1713, pp.1-10, 2024 (SCI-Expanded)
- X. **Adsorptive removal of 4-hydroxybenzoic acid via cross-linked polymeric microbeads: analysis of isothermal, kinetic and thermodynamic parameters**
Küçük M., Ozer E., Osman B.
CHEMICAL ENGINEERING COMMUNICATIONS, vol.211, no.1, pp.40-55, 2024 (SCI-Expanded)
- XI. **Preparation and characterization of latanoprost-loaded PVA nanofibers as an ocular drug delivery system for glaucoma treatment**

Altuntuğ Cesur M. İ., Osman B., Tümay Özer E., Kanmaz D., Baykara M., Karaca E.

INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS, vol.73, no.9, pp.761-770, 2024 (SCI-Expanded)

- XII. **Thioether-substituted Benzimidazolium Salts: Synthesis, Characterization, Crystal Structure, and Their Inhibitory Properties Against Acetylcholinesterase and Xanthine Oxidase**
Yavuz K., NOMA S. A. A., ŞEN YÜKSEL B., Taskin-Tok T., AKTAŞ A., ATEŞ B., OSMAN B., AYGÜN M., GÖK Y.
Journal of Molecular Structure, vol.1287, 2023 (SCI-Expanded)
- XIII. **A rational approach for 3D recognition and removal of L-asparagine via molecularly imprinted membranes**
Acet Ö., NOMA S. A. A., Acet B. Ö., Dikici E., OSMAN B., Odabaşı M.
Journal of Pharmaceutical and Biomedical Analysis, vol.226, 2023 (SCI-Expanded)
- XIV. **P(HEMA)-SO₃H catalyst: preparation, characterization and its catalytic activity in Ritter reaction**
Olmez N., OSMAN B.
RESEARCH ON CHEMICAL INTERMEDIATES, vol.48, no.12, pp.4987-5001, 2022 (SCI-Expanded)
- XV. **L-(+)-Tryptophan methyl ester derived polymeric microbeads as an efficient heterogeneous catalyst for green synthesis of 2-amino-4-(nitromethyl)-4H-chromene-3-carbonitriles**
Poslu A. H., OSMAN B., Kaya Y., Koz O., Koz G.
TURKISH JOURNAL OF CHEMISTRY, vol.46, no.5, pp.1642-1650, 2022 (SCI-Expanded)
- XVI. **Molecularly imprinted solid-phase extraction sorbent for selective determination of melatonin**
Esen E., OSMAN B., DEMİR M. T.
MICROCHEMICAL JOURNAL, vol.170, 2021 (SCI-Expanded)
- XVII. **Design and in vivo evaluation of alginate-based pH-sensing electrospun wound dressing containing anthocyanins**
Pakolpakçil A., OSMAN B., GÖKTALAY G., Ozer E., ŞAHAN Y., BECERİR B., KARACA E.
JOURNAL OF POLYMER RESEARCH, vol.28, no.2, 2021 (SCI-Expanded)
- XVIII. **Development of a new solid phase extraction method for sensitive determination of some carbamate pesticides in water using poly(EGDMA-MATrp) microbeads**
Demir O., Ulusoy H. İ., Ozer E., Osman B.
Microchemical Journal, vol.158, 2020 (SCI-Expanded)
- XIX. **An experimental design approach for the solid phase extraction of some organophosphorus pesticides from water samples with polymeric microbeads**
Ozer E., Osman B., Parlak B.
MICROCHEMICAL JOURNAL, vol.154, 2020 (SCI-Expanded)
- XX. **Molecularly imprinted composite cryogel for extracorporeal removal of uric acid**
OSMAN B., SAĞDİLEK E., Gumrukcu M., Sarlkaya G.
Colloids and Surfaces B: Biointerfaces, vol.183, 2019 (SCI-Expanded)
- XXI. **Superhydrophobic surface based on cross-linked polymer**
OSMAN B., Aydemir T. G.
MATERIALS RESEARCH EXPRESS, vol.6, no.5, 2019 (SCI-Expanded)
- XXII. **Halochromic composite nanofibrous mat for wound healing monitoring**
Pakolpakçil A., Osman B., Ozer E., Şahan Y., Becerir B., Göktalay G., Karaca E.
Materials Research Express, vol.6, 2019 (SCI-Expanded)
- XXIII. **Application of affinity microspheres for effective SPE cleanup before the determination of sulfamerazine by HPLC**
Kilic G., OSMAN B., Tuzmen N.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.91, pp.55-63, 2018 (SCI-Expanded)
- XXIV. **Molecularly imprinted particle embedded composite cryogel for selective tetracycline adsorption**
Yesilova E., OSMAN B., KARA A., Ozer E.
SEPARATION AND PURIFICATION TECHNOLOGY, vol.200, pp.155-163, 2018 (SCI-Expanded)
- XXV. **Molecularly imprinted surface plasmon resonance (SPR) sensor for uric acid determination**

- Göçenoğlu Sarıkaya A., Osman B., Cam T., Denizli A.
SENSORS AND ACTUATORS B-CHEMICAL, vol.251, pp.763-772, 2017 (SCI-Expanded)
- XXVI. **Dummy molecularly imprinted microbeads as solid-phase extraction material for selective determination of phthalate esters in water**
Ozer E., OSMAN B., Yazici T.
JOURNAL OF CHROMATOGRAPHY A, vol.1500, pp.53-60, 2017 (SCI-Expanded)
- XXVII. **Adsorption and removal of diethyl phthalate from aqueous media with poly(hydroxyethyl methacrylate) nanobeads**
Ozer E., GÖÇENOĞLU SARIKAYA A., OSMAN B.
DESALINATION AND WATER TREATMENT, vol.57, no.59, pp.28864-28874, 2016 (SCI-Expanded)
- XXVIII. **Evaluation of the effectiveness of microparticle-embedded cryogel system in removal of 17 beta-estradiol from aqueous solution**
GÖÇENOĞLU SARIKAYA A., OSMAN B., KARA A.
DESALINATION AND WATER TREATMENT, vol.57, no.33, pp.15570-15579, 2016 (SCI-Expanded)
- XXIX. **Adsorption of cinnabarinic acid from culture fluid with magnetic microbeads**
GÖÇENOĞLU SARIKAYA A., OSMAN B., KARA A., Pazarlioglu N., Besirli N.
BIOMEDICAL CHROMATOGRAPHY, vol.30, no.2, pp.88-96, 2016 (SCI-Expanded)
- XXX. **Diethyl phthalate removal from aqueous phase using poly(EGDMA-MATrp) beads: kinetic, isothermal and thermodynamic studies**
Ozer E., OSMAN B., KARA A., Demirbel E., Besirli N., Gucer S.
ENVIRONMENTAL TECHNOLOGY, vol.36, no.13, pp.1698-1706, 2015 (SCI-Expanded)
- XXXI. **Magnetic vinylphenyl boronic acid microparticles for Cr(VI) adsorption: Kinetic, isotherm and thermodynamic studies**
KARA A., Demirbel E., TEKİN N., OSMAN B., Besirli N.
JOURNAL OF HAZARDOUS MATERIALS, vol.286, pp.612-623, 2015 (SCI-Expanded)
- XXXII. **Properties of magnetic microbeads in removing bisphenol-A from aqueous phase**
OSMAN B., Ozer E., KARA A., Yesilova E., Besirli N.
JOURNAL OF POROUS MATERIALS, vol.22, no.1, pp.37-46, 2015 (SCI-Expanded)
- XXXIII. **Kinetic, Isothermal, and Thermodynamic Studies of Cr(VI) Adsorption on L-Tryptophan-Containing Microspheres**
KARA A., OSMAN B., GÖÇENOĞLU SARIKAYA A., Besirli N.
ENVIRONMENTAL ENGINEERING SCIENCE, vol.31, no.6, pp.261-271, 2014 (SCI-Expanded)
- XXXIV. **Potentiometric, Kinetic, and Thermodynamic Investigations into Cu²⁺ Ion Binding Properties of Vinyl Imidazole Containing IMAC Adsorbent**
Cam T., OSMAN B., KARA A., Demirbel E., Besirli N., Irez G.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.131, no.2, 2014 (SCI-Expanded)
- XXXV. **Microcontact imprinted surface plasmon resonance sensor for myoglobin detection**
OSMAN B., UZUN L., Besirli N., DENİZLİ A.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.33, no.7, pp.3609-3614, 2013 (SCI-Expanded)
- XXXVI. **Development and application of a solid phase extraction method for the determination of phthalates in artificial saliva using new synthesised microspheres**
OSMAN B., Ozer E., Besirli N., Gucer S.
POLYMER TESTING, vol.32, no.4, pp.810-818, 2013 (SCI-Expanded)
- XXXVII. **Synthesis and characterization of L-tryptophan containing microbeads for removal of dimethyl phthalate from aqueous phase**
OSMAN B., Ozer E., Demirbel E., Gucer S., Besirli N.
SEPARATION AND PURIFICATION TECHNOLOGY, vol.109, pp.40-47, 2013 (SCI-Expanded)
- XXXVIII. **Adsorption Equilibrium, Kinetics and Thermodynamics of alpha-Amylase on Poly(DVB-VIM)-Cu²⁺ Magnetic Metal-Chelate Affinity Sorbent**
OSMAN B., KARA A., Demirbel E., Kok S., Besirli N.

- APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY, vol.168, no.2, pp.279-294, 2012 (SCI-Expanded)
- XXXIX. **Removal of diethyl phthalate from aqueous phase using magnetic poly(EGDMA-VP) beads**
Ozer E., OSMAN B., KARA A., Besirli N., Gucer S., Sozeri H.
JOURNAL OF HAZARDOUS MATERIALS, vol.229, pp.20-28, 2012 (SCI-Expanded)
- XL. **Assesment of dimethyl phthalate removal from aqueous phase using barium hexaferrite containing magnetic beads**
OSMAN B., Ozer E., KARA A., Gucer S., Besirli N.
JOURNAL OF COLLOID AND INTERFACE SCIENCE, vol.378, pp.167-174, 2012 (SCI-Expanded)
- XLI. **Vinyl Triazole Carrying Metal-Chelated Beads for the Reversible Immobilization of Glucoamylase**
Kok S., OSMAN B., KARA A., Besirli N.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.120, no.5, pp.2563-2570, 2011 (SCI-Expanded)
- XLII. **Immobilization of Glucoamylase onto Lewis Metal Ion Chelated Magnetic Affinity Sorbent: Kinetic, Isotherm and Thermodynamic Studies**
OSMAN B., KARA A., Besirli N.
JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, vol.48, no.5, pp.387-399, 2011 (SCI-Expanded)
- XLIII. **Poly(hydroxyethyl methacrylate) based affinity membranes for in vitro removal of anti-dsDNA antibodies from SLE plasma**
UZUN L., Yavuz H., OSMAN B., Celik H., DENİZLİ A.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.47, no.1, pp.44-49, 2010 (SCI-Expanded)
- XLIV. **Removal of Heavy-Metal Ions by Magnetic Beads Containing Triazole Chelating Groups**
UZUN L., KARA A., OSMAN B., Yilmaz E., Besirli N., DENİZLİ A.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.114, no.4, pp.2246-2253, 2009 (SCI-Expanded)
- XLV. **Vinyl imidazole carrying metal-chelated beads for reversible use in yeast invertase adsorption**
Osman B., Kara A., Uzun L., Besirli N., Denizli A.
JOURNAL OF MOLECULAR CATALYSIS B-ENZYMATIC, vol.37, pp.88-94, 2005 (SCI-Expanded)
- XLVI. **Immobilization of α -amylase on Cu²⁺ chelated poly(ethylene glycol dimethacrylate-n-vinyl imidazole) matrix via adsorption**
Kara A., Osman B., Yavuz H., Besirli N., Denizli A.
Reactive and Functional Polymers, vol.62, no.1, pp.61-68, 2005 (SCI-Expanded)

Articles Published in Other Journals

- I. **Craterellus cornucopioides Biyosorbantı ile Sulu Çözeltilerden Kongo Kırmızısı'nın Biyosorpsiyonu: Kinetik, İzotermal ve Termodinamik Çalışmalar**
Özsoy Ş. N., Göçenoğlu Sarıkaya A., Osman B.
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.28, no.3, pp.325-334, 2024 (Peer-Reviewed Journal)
- II. **Lactarius deliciosus Biyokütlesi ile Sulu Çözeltilerden Oksitetrasiklin Giderimi**
Göçenoğlu Sarıkaya A., Osman B., Tümay Özer E.
Karadeniz Fen Bilimleri Dergisi, vol.13, no.3, pp.1135-1152, 2023 (Peer-Reviewed Journal)
- III. **Cerrahi Alanda Kullanılan Bir Biyomalzeme: Fıtık Meshi**
Aras C., Işık Ö., Ömeroğlu S., Özalp R. G., Osman B., Karaca E.
TEKSTİL VE MUHENDİS, vol.30, no.129, pp.71-84, 2023 (Scopus)
- IV. **Cibacron Blue F3GA ile modifiye polimerik mikroküreler ile RuBisCO adsorpsiyonu**
OSMAN B., CANSEV A.
Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.23, no.2, pp.685-702, 2021 (Peer-Reviewed Journal)
- V. **Tetracycline Adsorption Via Dye-Attached Polymeric Microbeads**
GÖÇENOĞLU SARIKAYA A., OSMAN B.
Cumhuriyet Science Journal, vol.42, no.3, 2021 (Peer-Reviewed Journal)

- VI. **Bisphenol A Removal From Aqueous Phase via Polymeric Microbeads**
Tümay Özer E., Osman B.
Hacettepe Journal of Biology and Chemistry, vol.47, no.3, pp.249-258, 2019 (Peer-Reviewed Journal)
- VII. **Evaluation of the Effectiveness of Hydrophobic Microbeads for Diethyl Phthalate Removal from Aqueous Solution**
OSMAN B., TÜMAY ÖZER E.
Hacettepe Journal of Biology and Chemistry, vol.47, no.1, pp.77-85, 2019 (Peer-Reviewed Journal)
- VIII. **Preparation of Molecularly Imprinted SPR Nanosensor for Myoglobin Detection**
ÖZTÜRK ATAY N., OSMAN B., AKGÖL S., KARAGÖZLER A. A., DENİZLİ A.
Current Applied Polymer Science, vol.2, no.2, pp.102-111, 2018 (Peer-Reviewed Journal)
- IX. **Complexation of Zn²⁺ with Vinyl Imidazole Containing IMAC Adsorbent: Potentiometric, Kinetic, and Thermodynamic Studies**
Çam T., Osman B., Kara A., Demirbel E., Beşirli N., Irez G.
Hacettepe Journal of Biology and Chemistry, vol.41, no.3, pp.207-219, 2013 (Peer-Reviewed Journal)
- X. **In-Vitro Characterization of Antimicrobial Effect of Polyvinylimidazole**
Gürbüz O., Şahan Y., Kara A., Osman B.
Hacettepe Journal of Biology and Chemistry, vol.37, no.7, pp.353-357, 2009 (Peer-Reviewed Journal)
- XI. **Tyrosinase Immobilization on Cu²⁺ Chelated Poly(ethylene glycol dimethacrylate-N-Vinyl Imidazole) Beads**
Osman B., Kara A., Beşirli N.
Hacettepe Journal of Biology and Chemistry, vol.35, no.3, pp.233-241, 2007 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Green Imprinted Materials From Design to Environmental and Food Applications**
Tümay Özer E. (Member Of Editors Board), Osman B. (Member Of Editors Board)
Elsevier Science, Oxford/Amsterdam, Amsterdam, 2024
- II. **Development of green magnetic MIPs for the removal of organophosphorus pesticides (OOPs) Green MIPs (i.e. magnetic MIPS) with super paramagnetism**
Osman B., Tümay Özer E.
in: Green Imprinted Materials From Design to Environmental and Food Applications, Rüstem Keçili, Chaudhery Mustansar Hussain, Editor, Elsevier Science, Oxford/Amsterdam, Amsterdam, pp.350-400, 2024
- III. **QUARTZ CRYSTAL MICROBALANCE based biosensors in pharmaceutical applications**
BATTAL D., YÜCEL M., OSMAN B.
in: Affinity sensors, Adil Denizli, Editor, Hacettepe University, pp.79-104, 2018
- IV. **Bölüm 3. Moleküller, Bileşikler ve Kimyasal Eşitlikler**
Osman B., Denizli A.
in: Genel Kimya (Nivaldo J.Tro). Moleküler Bir Yaklaşımla Kimyanın İlkeleri, Ekrem Köksal, Adil Denizli, Editor, Nobel Yayın Dağıtım, Ankara, pp.77-112, 2016
- V. **Bölüm 3. Proteinleri ve proteomu keşfetmek.**
Osman B., Denizli A.
in: Biyokimya, Adil Denizli, Ayşe Kevser Özden, Editor, Palme Yayın Dağıtım, Ankara, pp.33-77, 2014

Refereed Congress / Symposium Publications in Proceedings

- I. **Amoksisilin yüklü poli(vinilalkol) hidrojelinin hazırlanması**
IŞIK D., KÜÇÜK M., OSMAN B.
9. Ulusal Kimya Öğrenci Kongresi, Bursa, Turkey, 27 - 29 May 2024
- II. **Moleküler Baskılanmış Polimerlerin Biyolojik Matrislerde Örnek Hazırlama Amaçlı Kullanımı**

KÜÇÜK M., OSMAN B., TÜMAY ÖZER E.

9.Ulusal Kimya Öğrenci Kongresi, Bursa, Turkey, 27 - 29 May 2024

- III. **Polimerik Mikroküreler ile Metilen Mavisinin Uzaklaştırması**
MEDİN K., KÜÇÜK M., OSMAN B.
9.Ulusal Kimya Öğrenci Kongresi, Bursa, Turkey, 27 May 2024
- IV. **Investigation of The Effectiveness of Dummy Molecularly Imprinted Polymer for The Rapid and Selective Extraction of Monoester Phthalates from Urine**
Küçük M., Osman B., Tümay Özer E.
12th AGEAN ANALYTICAL CHEMISTRY DAYS, İstanbul, Turkey, 19 - 22 October 2023, pp.73
- V. **Trametes trogii Gömülü Poli(HEMA) Kriyojel ile Boyar Madde Giderimi**
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