

Prof. BURHAN ATEŞ

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International Researcher IDs

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Education Information

Post Doctorate, University of Missouri-Rolla, Science, Chemistry, United States Of America 2007 - 2008

Doctorate, Inonu University, Fen Bilimleri Enstitüsü, Kimya/Biyokimya, Turkey 2001 - 2007

Postgraduate, Inonu University, Fen Bilimleri Enstitüsü, Kimya/Biyokimya, Turkey 1999 - 2001

Undergraduate, Inonu University, Eğitim Fakültesi, Kimya Öğretmenliği, Turkey 1995 - 1999

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Antikanserojenik L-asparaginazın Farklı Gram-negatif Bakterilerde Üretimi, Kimyasal Karakterizasyonu ve in vitro Uygulaması, Inonu University, Fen Edebiyat Fakültesi, Kimya/Biyokimya, 2007

Postgraduate, İntestinal İskemi-Reperfüzyon Uygulamalarında Değişik Antioksidanların Koruyucu Etkilerinin Araştırılması, Inonu University, Fen Edebiyat Fakültesi, Kimya/Biyokimya, 2001

Research Areas

Chemistry, Biochemistry, Enzyme Kinetics, Polymers and Their Applications, Biomaterials, Nanomaterials, Biotechnology

Academic Titles / Tasks

Professor, Inonu University, Fen-Edebiyat Fakültesi, Kimya, 2015 - Continues

Associate Professor, Inonu University, Fen-Edebiyat Fakültesi, Kimya, 2010 - 2015

Assistant Professor, Inonu University, Fen-Edebiyat Fakültesi, Kimya, 2009 - 2010

Research Assistant PhD, Inonu University, Fen-Edebiyat Fakültesi, Kimya, 2007 - 2009

Research Assistant, Inonu University, Fen-Edebiyat Fakültesi, Kimya, 1999 - 2007

Academic and Administrative Experience

Inonu University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2010 - Continues

Inonu University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2008 - Continues

Inonu University, Fen Bilimleri Enstitüsü, 2012 - 2016

Courses

Genel Kimya , Undergraduate, 2013-2014

Klinik Biyokimya, Undergraduate, 2013-2014

Protein Saf. ve Uyg., Undergraduate Double Major, 2013-2014

Biyoteknoloji, Undergraduate, 2013-2014

Biyomateryaller ve Uyg., Undergraduate Minor, 2013-2014

Genel Kimya , Undergraduate, 2012-2013

Biyomateryaller ve Uyg., Undergraduate Minor, 2012-2013

Biyokimya I, Undergraduate, 2012-2013

Enzimoloji, Undergraduate Double Major, 2012-2013

Biyoteknoloji, Undergraduate, 2012-2013

Klinik Biyokimya, Undergraduate, 2012-2013

Protein Saf. ve Uyg., Undergraduate Double Major, 2012-2013

Enzimoloji, Undergraduate Double Major, 2011-2012

Klinik Biyokimya, Undergraduate, 2011-2012

Biyoteknoloji, Undergraduate, 2011-2012

Protein Saf. ve Uyg., Undergraduate Double Major, 2011-2012

Genel Kimya , Undergraduate, 2011-2012

Biyomateryaller ve Uyg., Undergraduate Minor, 2011-2012

Biyokimya I, Undergraduate, 2010-2011

Genel Kimya , Undergraduate, 2010-2011

Genel Kimya , Undergraduate, 2009-2010

Biyokimya I, Undergraduate, 2009-2010

Advising Theses

ATEŞ B., Paraquat Maruziyetine Bağlı Oluşacak Akciğer Hasarında N- Asetilsistein Amid'in Olası Koruyucu Etkisinin Araştırılması, Postgraduate, N.Aydoğan(Student), 2011

Jury Memberships

Associate Professor Exam, Doçentlik Sınavı, ÜAK, March, 2015

Published journal articles indexed by SCI, SSCI, and AHCI

- Enhancement of enzyme activity by laser-induced energy propulsion of upconverting nanoparticles under near-infrared light: A comprehensive methodology for in vitro and in vivo applications.**
Ateş B., Ulu A., Asiltürk M., Noma S. A. A., Topel S. D., Dik G., Özhan O., Bakar B., Yıldız A., Vardı N., et al.
International journal of biological macromolecules, vol.260, no.Pt 2, pp.129343, 2024 (SCI-Expanded)
- Unveiling the effect of molecular weight of vanillic acid grafted chitosan hydrogel films on physical, antioxidant, and antimicrobial properties for application in food packaging.**

Bakar B., Pekdemir S. S., Birhanlı E., Ulu A., Pekdemir M. E., Ateş B.

International journal of biological macromolecules, vol.256, no.Pt 1, pp.128397, 2024 (SCI-Expanded)

- III. **The effects of pentoxifylline and caffeic acid phenethyl ester on TNF- α and lung histopathology in D-galactosamine-induced pulmonary injury in rats.**
Taslidere E., Vardi N., Yildiz A., Ates B., Esrefoglu M.
Tissue & cell, vol.82, pp.102085, 2023 (SCI-Expanded)
- IV. **Newly Synthesized Multifunctional Biopolymer Coated Magnetic Core/Shell Fe₃O₄@Au Nanoparticles for Evaluation of L-asparaginase Immobilization**
TARHAN T., Dik G., Ulu A., TURAL B., TURAL S., ATEŞ B.
TOPICS IN CATALYSIS, vol.66, no.9-12, pp.577-591, 2023 (SCI-Expanded)
- V. **Immobilization of alpha-Amylase onto Quantum Dots Prepared from Hypericum perforatum L. Flowers and Hypericum capitatum Seeds: Its Physicochemical and Biochemical Characterization**
Acari I. K., Dik G., Bakar B., Ulu A., ÖNAL Y., ATEŞ B.
TOPICS IN CATALYSIS, vol.66, no.9-12, pp.563-576, 2023 (SCI-Expanded)
- VI. **Effects of the apricot diets containing sulfur dioxide at different concentrations on rat testicles.**
Yildiz A., Ozhan O., Ulu A., Dogan T., Bakar B., Ugur Y., Taslidere E., Gokbulut İ., Polat S., Parlakpınar H., et al.
Environmental science and pollution research international, vol.30, no.29, pp.74301-74313, 2023 (SCI-Expanded)
- VII. **A Positive Effect of Magnetic Field on the Catalytic Activity of Immobilized L-Asparaginase: Evaluation of its Feasibility**
Dik G., Ulu A., Inan O. O., ATALAY S., ATEŞ B.
CATALYSIS LETTERS, vol.153, no.5, pp.1250-1264, 2023 (SCI-Expanded)
- VIII. **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., Taşkın Tok T., Aktaş A., Ateş B., Osman B., Aygün M., Gök Y.
JOURNAL OF MOLECULAR STRUCTURE, vol.1287, no.135640, pp.1-10, 2023 (SCI-Expanded)
- IX. **The Cytotoxicity, DNA Fragmentation, and Decreasing Velocity Induced By Chromium(III) Oxide on Rainbow Trout Spermatozoa**
Ozgur M. E., Ulu A., GÜRSES C., Ozcan I., Noma S. A. A., KÖYTEPE S., ATEŞ B.
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.201, no.2, pp.968-983, 2023 (SCI-Expanded)
- X. **Tailor-made novel electrospun polycaprolactone/polyethyleneimine fiber membranes for laccase immobilization: An all-in-one material to biodegrade textile dyes and phenolic compounds.**
Kolak S., Birhanlı E., Boran F., Bakar B., Ulu A., Yeşilada Ö., Ateş B.
Chemosphere, vol.313, pp.137478, 2023 (SCI-Expanded)
- XI. **Design, synthesis, spectroscopic characterizations, single crystal X-ray analysis, in vitro xanthine oxidase and acetylcholinesterase inhibitory evaluation as well as in silico evaluation of selenium-based N-heterocyclic carbene compounds.**
Kaya G., Noma S. A. A., Barut Celepci D., Bayıl İ., Taskin-Tok T., Gök Y., Ateş B., Aktaş A., Aygün M., Tezcan B.
Journal of biomolecular structure & dynamics, vol.41, no.21, pp.11728-11747, 2023 (SCI-Expanded)
- XII. **Synthesis, characterization, in vitro antibacterial, and anticancer studies of Ag(I)-N-heterocyclic carbene (NHC) complexes**
DOĞAN ULU Ö., Kurucay A., ATEŞ B., ÖZDEMİR İ.
CHEMICAL PAPERS, vol.77, no.1, pp.423-435, 2023 (SCI-Expanded)
- XIII. **Characterization of the antioxidant activity, total phenolic content, enzyme inhibition, and anticancer properties of Achillea millefolium L. (yarrow)**
Karaaslan Ayhan N., Karaaslan Tunc M. G., Noma S. A. A., Kurucay A., ATEŞ B.
INSTRUMENTATION SCIENCE & TECHNOLOGY, vol.50, no.6, pp.654-667, 2022 (SCI-Expanded)
- XIV. **The effects of Zn/Fe co-dopants on the structural, thermal, magnetic, and in vitro biocompatibility properties of calcium pyrophosphate ceramics**
Kebiroglu H., Ates T., BULUT N., ERCAN İ., Ercan F., Acari I. K., KÖYTEPE S., ATEŞ B., KAYĞILI Ö.
PHYSICA B-CONDENSED MATTER, vol.643, 2022 (SCI-Expanded)
- XV. **Preparation of 10-undecenoic acid based polyurethane/PCL fibers by electrospinning method and**

investigation of their antifungal properties

Acari I. K., BORAN F., Kolak S., Tatlici E., YEŞİLADA Ö., KÖYTEPE S., ATEŞ B.
POLYMER BULLETIN, vol.79, no.10, pp.9179-9197, 2022 (SCI-Expanded)

- XVI. **Effects of Yttrium Doping on Erbium-Based Hydroxyapatites: Theoretical and Experimental Study**
Ahmed L. O., BULUT N., Kebiroglu H., Alkhedher M., Ates T., KÖYTEPE S., ATEŞ B., KAYĞILI Ö., El Din E. M. T.
MATERIALS, vol.15, no.20, 2022 (SCI-Expanded)
- XVII. **Synthesis, Characterization and Inhibitor Properties of Benzimidazolium Salts Bearing 4-(methylsulfonyl)benzyl Side Arms**
Güzel A., Noma S. A. A., Şen Yüksel B., Kazancı A., Taşkın Tok T., Kolaç T., Aktaş A., Ateş B., Aygün M., Gök Y.
JOURNAL OF MOLECULAR STRUCTURE, vol.134320, pp.1-11, 2022 (SCI-Expanded)
- XVIII. **Activation of the Mas receptors by AVE0991 and MrgD receptor using Alamandine to limit the deleterious effects of Ang II-induced hypertension**
Tanriverdi L. H., Özhan O., Ulu A., Yildiz A., Ateş B., Vardi N., Acet H. A., Parlakpinar H.
FUNDAMENTAL AND CLINICAL PHARMACOLOGY, vol.1, no. 1, pp.1-15, 2022 (SCI-Expanded)
- XIX. **Fast Curing Multifunctional Tissue Adhesives of Sericin-Based Polyurethane-Acrylates for Sternal Closure**
Balcioglu S., Noma S. A. A., Ulu A., Karaaslan-Tunc M. G., ÖZHAN O., KÖYTEPE S., PARLAKPINAR H., VARDI N., ÇOLAK M. C., ATEŞ B.
ACS APPLIED MATERIALS & INTERFACES, 2022 (SCI-Expanded)
- XX. **Chemistry and engineering of brush type polymers: Perspective towards tissue engineering**
Acari I. K., Sel E., Ozcan I., ATEŞ B., Koytepe S., Thakur V. K.
ADVANCES IN COLLOID AND INTERFACE SCIENCE, vol.305, 2022 (SCI-Expanded)
- XXI. **Theoretical and experimental characterization of Sn-based hydroxyapatites doped with Bi**
Korkmaz A. A., Ahmed L. O., Kareem R. O., Kebiroglu H., Ates T., BULUT N., KAYĞILI Ö., ATEŞ B.
JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, vol.58, no.3, pp.803-815, 2022 (SCI-Expanded)
- XXII. **Novel hybrid isoindole-1,3(2H)-dione compounds containing a 1H-tetrazole moiety: Synthesis, biological evaluation, and molecular docking studies**
TAN A., Kizilkaya S., Noma S. A. A., ATEŞ B., KARA Y.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, vol.36, no.5, 2022 (SCI-Expanded)
- XXIII. **Fabrication, thermal and in vitro behaviors of ciprofloxacin loaded beta-cyclodextrin-PEG based polyurethanes as potential biomaterial for wound dressing applications**
Kantarcioğlu M., Tunc M. G. K., GÜRSES C., ATEŞ B., KÖYTEPE S.
JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, vol.59, no.5, pp.329-345, 2022 (SCI-Expanded)
- XXIV. **Effects of Low- and High-Dose Valproic Acid and Lamotrigine on the Heart in Female Rats**
YILDIZ A., VARDI N., PARLAKPINAR H., ATEŞ B., Colakoglu N.
CARDIOVASCULAR TOXICOLOGY, vol.22, no.4, pp.326-340, 2022 (SCI-Expanded)
- XXV. **Design of laccase-metal-organic framework hybrid constructs for biocatalytic removal of textile dyes**
BİRHANLI E., Noma S. A. A., BORAN F., Ulu A., YEŞİLADA Ö., ATEŞ B.
CHEMOSPHERE, vol.292, 2022 (SCI-Expanded)
- XXVI. **Eco-friendly chitosan/kappa-carrageenan membranes reinforced with activated bentonite for adsorption of methylene blue**
Ulu A., ALPASLAN M., GÜLTEK A., ATEŞ B.
MATERIALS CHEMISTRY AND PHYSICS, vol.278, 2022 (SCI-Expanded)
- XXVII. **Detection of Diazinon Organophosphates Using Magnetoelastic Sensor**
ATALAY S., ATEŞ B., Balcioglu S., Inan O. O., Kolak S., ŞİMŞEK M., KOLAT V. S., KÖYTEPE S., İZGİ T.
IEEE TRANSACTIONS ON MAGNETICS, vol.58, no.2, 2022 (SCI-Expanded)
- XXVIII. **Synthesis, Characterization, DNA Binding and Anticancer Activities of The Imidazolidine-Functionalized (NHC)Ru(II) Complexes**
Gürses C., Aktaş A., Balcioglu S., Fadhilah A., Gök Y., Ateş B.
JOURNAL OF MOLECULAR STRUCTURE, vol.131350, no.1247, pp.1-9, 2022 (SCI-Expanded)

- XXIX. **Fabrication of electrospun polycaprolactone/chitosan nanofiber-modified screen-printed electrode for highly sensitive detection of diazinon in food analysis**
Topsoy O. K., Muhammad F., Kolak S., Ulu A., GÜNGÖR Ö., ŞİMŞEK M., KÖYTEPE S., ATEŞ B.
MEASUREMENT, vol.187, 2022 (SCI-Expanded)
- XXX. **Experimental characterization and theoretical investigation of Ce/Yb co-doped hydroxyapatites**
Acar S., KAYĞILI Ö., Ates T., Dorozhkin S., BULUT N., ATEŞ B., KÖYTEPE S., Ercan F., Kebiroglu H., Hssain A. H.
MATERIALS CHEMISTRY AND PHYSICS, vol.276, 2022 (SCI-Expanded)
- XXXI. **Photocrosslinkable gelatin/collagen based bioinspired polyurethane-acrylate bone adhesives with biocompatibility and biodegradability**
Balcioglu S., Gurses C., Ozcan İ., Yildiz A., Koytepe S., Parlakpınar H., Vardi N., Ates B.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.192, pp.1344-1356, 2021 (SCI-Expanded)
- XXXII. **Fabrication of Oleic Acid Grafted Starch-based Hybrid Carriers for l-Asparaginase Encapsulation**
Hafizosmanoglu G., Ulu A., KÖYTEPE S., ATEŞ B.
STARCH-STARKE, 2021 (SCI-Expanded)
- XXXIII. **Preparation, Controlled Drug Release, and Cell Viability Evaluation of Tenofovir Alafenamide-Loaded Chitosan Nanoparticles**
Ulu A., Sezer S. K., YÜKSEL Ş., KOÇ A., ATEŞ B.
STARCH-STARKE, 2021 (SCI-Expanded)
- XXXIV. **Recent Progress and Perspectives on Polyurethane Membranes in the Development of Gas Sensors**
AKSOY B., SEL E., KUYUMCU SAVAN E., ATEŞ B., KÖYTEPE S.
CRITICAL REVIEWS IN ANALYTICAL CHEMISTRY, vol.51, no.7, pp.619-630, 2021 (SCI-Expanded)
- XXXV. **A study about excellent xanthine oxidase inhibitory effects of new pyridine salts**
Yilmaz U., Noma S. A. A., Tok T. T., Sen B., GÖK Y., AKTAŞ A., ATEŞ B., AYGÜN M.
MONATSHFTE FÜR CHEMIE, vol.152, no.10, pp.1251-1260, 2021 (SCI-Expanded)
- XXXVI. **Protective effects of naringin on valproic acid-induced hepatotoxicity in rats**
Koroglu O. F., Gunata M., Vardi N., Yildiz A., Ates B., Colak C., Tanriverdi L. H., Parlakpınar H.
TISSUE & CELL, vol.72, 2021 (SCI-Expanded)
- XXXVII. **Tunable and tough porous chitosan/beta-cyclodextrin/tannic acid biocomposite membrane with mechanic, antioxidant, and antimicrobial properties**
Ulu A., BİRHANLI E., ATEŞ B.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.188, pp.696-707, 2021 (SCI-Expanded)
- XXXVIII. **Preparation and Characterization of Amino-Functionalized Zeolite/SiO₂ Materials for Trypsin-Chymotrypsin Co-immobilization**
Dogan D., Sezer S., Ulu A., KÖYTEPE S., ATEŞ B.
CATALYSIS LETTERS, vol.151, no.8, pp.2463-2477, 2021 (SCI-Expanded)
- XXXIX. **Tailor-made shape memory stents for therapeutic enzymes: A novel approach to enhance enzyme performance**
Ulu A., ATEŞ B.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.185, pp.966-982, 2021 (SCI-Expanded)
- XL. **alpha-Amylase Immobilization on P(HEMA-co-PEGMA) Hydrogels: Preparation, Characterization, and Catalytic Investigation**
Dogan D., Ulu A., Sel E., KÖYTEPE S., ATEŞ B.
STARCH-STARKE, vol.73, no.7-8, 2021 (SCI-Expanded)
- XLI. **Determination of characterization, antibacterial and drug release properties of POSS- based film synthesized with sol-gel technique**
Acari I. K., KÖYTEPE S., ATEŞ B., YILMAZ İ., SEÇKİN T.
TURKISH JOURNAL OF CHEMISTRY, vol.45, no.6, pp.1774-1785, 2021 (SCI-Expanded)
- XLII. **Comparative study of catalase immobilization via adsorption on P(MMA-co-PEG500MA) structures as an effective polymer support**
Sel E., Ulu A., ATEŞ B., KÖYTEPE S.
POLYMER BULLETIN, vol.78, no.5, pp.2663-2684, 2021 (SCI-Expanded)

- XLIII. **Preparation, characterization, and in vitro release study of vincristine sulfate-loaded chitosan-polyethylene glycol-oleic acid composites**
Bakmaz D., Ulu A., KÖYTEPE S., ATEŞ B.
INTERNATIONAL JOURNAL OF POLYMER ANALYSIS AND CHARACTERIZATION, vol.26, no.4, pp.291-308, 2021 (SCI-Expanded)
- XLIV. **Development of L-asparaginase@hybrid Nanoflowers (ASNase@HNFs) Reactor System with Enhanced Enzymatic Reusability and Stability**
Noma S. A. A., Yilmaz B. S., Ulu A., ÖZDEMİR N., ATEŞ B.
CATALYSIS LETTERS, vol.151, no.4, pp.1191-1201, 2021 (SCI-Expanded)
- XLV. **Synthesis, inhibition properties against xanthine oxidase and molecular docking studies of dimethyl N-benzyl-1H-1,2,3-triazole-4,5-dicarboxylate and (N-benzyl-1H-1,2,3-triazole-4,5-diyl)dimethanol derivatives**
YAĞIZ ERDEMİR G., Noma S. A. A., ALTUNDAŞ A., Al-khafaji K., TAŞKIN TOK T., ATEŞ B.
BIOORGANIC CHEMISTRY, vol.108, 2021 (SCI-Expanded)
- XLVI. **Cellulose acetate encapsulated upconversion nanoparticles - A novel theranostic platform**
TOPEL S. D., Balcioglu S., ATEŞ B., ASİLTÜRK M., TOPEL Ö., Ericson M. B.
MATERIALS TODAY COMMUNICATIONS, vol.26, 2021 (SCI-Expanded)
- XLVII. **The Protective Effects of Compound 21 and Valsartan in Isoproterenol-Induced Myocardial Injury in Rats**
Ulutas Z., Ermis N., Ozhan O., Parlakpınar H., Vardi N., Ates B., Colak C.
CARDIOVASCULAR TOXICOLOGY, vol.21, no.1, pp.17-28, 2021 (SCI-Expanded)
- XLVIII. **L-asparaginase immobilized p(HEMA-GMA) cryogels: A recent study for biochemical, thermodynamic and kinetic parameters**
Noma S. A. A., Acet O., Ulu A., Onal B., ODABAŞI M., ATEŞ B.
POLYMER TESTING, vol.93, 2021 (SCI-Expanded)
- XLIX. **Investigation of the effects of Pr doping on the structural properties of hydroxyapatite: an experimental and theoretical study**
Agid R. S., Kaygılı O., Bulut N., Dorozhkin S., Ates T., KÖYTEPE S., ATEŞ B., Ercan I., Ince T., Mahmood B. K.
JOURNAL OF THE AUSTRALIAN CERAMIC SOCIETY, vol.56, no.4, pp.1501-1513, 2020 (SCI-Expanded)
- L. **Chitosan/polypropylene glycol hydrogel composite film designed with TiO₂ nanoparticles: A promising scaffold of biomedical applications**
Ulu A., BİRHANLI E., KÖYTEPE S., ATEŞ B.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.163, pp.529-540, 2020 (SCI-Expanded)
- LI. **The (NHC)PdBr₂(2-aminopyridine) complexes: synthesis, characterization, molecular docking study, and inhibitor effects on the human serum carbonic anhydrase and serum bovine xanthine oxidase**
Turker F., Noma S. A. A., AKTAŞ A., Al-Khafaji K., Tok T. T., ATEŞ B., GÖK Y.
MONATSCHEFTE FÜR CHEMIE, vol.151, no.10, pp.1557-1567, 2020 (SCI-Expanded)
- LII. **Preparation of hybrid PU/PCL fibers from steviol glycosides via electrospinning as a potential wound dressing materials**
Mehteroglu E., Cakmen A. B., Aksoy B., Balcioglu S., KÖYTEPE S., ATEŞ B., YILMAZ İ.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.137, no.40, 2020 (SCI-Expanded)
- LIII. **Preparation and characterization of amino and carboxyl functionalized core-shell Fe₃O₄/SiO₂ for L-asparaginase immobilization: A comparison study**
Noma S. A. A., Ulu A., KÖYTEPE S., ATEŞ B.
BIOCATALYSIS AND BIOTRANSFORMATION, vol.38, no.5, pp.392-404, 2020 (SCI-Expanded)
- LIV. **Chemistry, Structures, and Advanced Applications of Nanocomposites from Biorenewable Resources**
Ates B., Koytepe S., Ulu A., Gurses C., Thakur V.
CHEMICAL REVIEWS, vol.120, no.17, pp.9304-9362, 2020 (SCI-Expanded)
- LV. **Water Soluble Coumarin Quaternary Ammonium Chlorides: Synthesis and Biological Evaluation**
Karataş M. O., Noma S., Gürses C., Balcioglu S., Ates B., Alici B., Çakır Ü.
CHEMISTRY & BIODIVERSITY, vol.17, no.9, 2020 (SCI-Expanded)

- LVI. **The Carboxylated Multi-walled Carbon Nanotubes/l-Asparaginase Doped Calcium-Alginate Beads: Structural and Biocatalytic Characterization**
Ulu A, KARAMAN M., Yapici F., NAZ M., Sayin S., Saygili E. I., ATEŞ B.
CATALYSIS LETTERS, vol.150, no.6, pp.1679-1691, 2020 (SCI-Expanded)
- LVII. **Laccase-conjugated thiolated chitosan-Fe₃O₄ hybrid composite for biocatalytic degradation of organic dyes**
Ulu A, BİRHANLI E., BORAN F., KÖYTEPE S., YEŞİLADA Ö., ATEŞ B.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.150, pp.871-884, 2020 (SCI-Expanded)
- LVIII. **Melatonin protects sperm cells of *Capoeta trutta* from toxicity of titanium dioxide nanoparticles**
Ozgur M. E., Ulu A., Noma S. A. A., Ozcan I., Balcioglu S., ATEŞ B., KÖYTEPE S.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.27, no.15, pp.17843-17853, 2020 (SCI-Expanded)
- LIX. **Comparative study of ASNase immobilization on tannic acid-modified magnetic Fe₃O₄/SBA-15 nanoparticles to enhance stability and reusability**
Noma S. A. A., Ulu A., Acet O., Sanz R., Sanz-Perez E. S., ODABAŞI M., ATEŞ B.
NEW JOURNAL OF CHEMISTRY, vol.44, no.11, pp.4440-4451, 2020 (SCI-Expanded)
- LX. **Evaluation of xanthine oxidase inhibitor properties on isoindoline-1,3-dion derivatives and calculation of interaction mechanism**
Gundugdu O., Noma S. A. A., TAŞKIN TOK T., ATEŞ B., KİSHALI N.
JOURNAL OF MOLECULAR STRUCTURE, vol.1204, 2020 (SCI-Expanded)
- LXI. **4-Vinylbenzyl and 2-morpholinoethyl substituted ruthenium (II) complexes: Design, synthesis, and biological evaluation**
SARı Y., GÜRSES C., Celepci D. B., Kelestemur U., AKTAŞ A., YÜKSEL Ş., ATEŞ B., GÖK Y.
JOURNAL OF MOLECULAR STRUCTURE, vol.1202, 2020 (SCI-Expanded)
- LXII. **Therapeutic potential of coumarin bearing metal complexes: Where are we headed?**
Balcioglu S., KARATAŞ M. O., ATEŞ B., ALICI B., ÖZDEMİR İ.
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PAŞAHAN A., KIVILCIM N., KARACA AÇARI İ., ERENLER A. Ş., SEZER S., SEÇKİN T., AKPOLAT N., SEVİMLİ R., KÖYTEPE S., GÜLTEK A., et al.
PCFM 20, 22 - 24 September 2020
- XVI. **Effects of propolis on tyrosine hydroxylase activity and blood pressure in nitric oxide synthase inhibited hypertensive rats**
ÖZDEMİR İ., TALAS Z. S., GÖK Y., ATEŞ B., Yılmaz İ.
3 rd International congress on Cell Membranes and Oxidative Stres: Focus on Calcium Signaling and TRP Channels, Isparta, Turkey, pp.67

- XVII. **Changes in tyrosine hydroxylase activity and adrenomedullin level by treatment of organoselenium compounds in rat hypothalamus exposed to 7, 12- dimethylbenzanthracene**
ÖZDEMİR İ., TALAS Z. S., GÖK Y., ATEŞ B., Yılmaz İ.
, 3 rd International congress on Cell Membranes and Oxidative Stres: Focus on Calcium Signaling and TRP Channels, Isparta, Turkey, pp.68
- XVIII. **The effects of the synthetic organoselenium compounds on total RNA levels in some tissues of DMBA-induced albino wistar rats**
TALAS Z. S., ÖZDEMİR İ., ATEŞ B., GÖK Y., Yılmaz İ.
2. Uluslararası Hücre Zarları ve Oksidatif Stres Kongresi: Kalsiyum Sinyali ve TRP Kanalları Kongresi, Isparta, Turkey, pp.45
- XIX. **The Comparative Investigation of Cytotoxic Properties for Synthetic Commercial Tissue Adhesives**
GÜRSES C., ATEŞ B.
2nd ICABC (International Congress on Analytical and Bioanalytical Chemistry), 11 - 14 March 2020
- XX. **Synthesis and characterization of functionalized magnetic core/shell Fe₃O₄@Au nanoparticles for used to immobilization L-asparaginase enzyme**
ULU A., ATEŞ B., TARHAN T.
3rd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2020), 19 - 20 March 2020
- XXI. **Preparation and characterization of carboxyl functionalized core-shell Fe₃O₄/SiO₂ for L-asparaginase immobilization**
Noma S. A. A., ULU A., KÖYTEPE S., ATEŞ B.
2nd International Congress on Analytical and Bioanalytical Chemistry (2nd ICABC 2020), 11 - 14 March 2020
- XXII. **Fast Curable and Bio-inspired Surgical Adhesives for Sternal Closure: Eliminates Disadvantages of Steel Wire**
BALCIOĞLU S., ULU A., NOMA S. A. A., KÖYTEPE S., PARLAKPINAR H., ÖZHAN O., ÇOLAK M. C., YILDIZ A., VARDI N., ATEŞ B.
Uluslararası Biyoteknoloji Kongresi, İstanbul, Turkey, 5 - 07 March 2020
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PARLAKPINAR H., KÖYTEPE S., ATEŞ B., ÖZHAN O., OĞUZ F., GEÇİT İ.
BioTurkiye2020, İstanbul, Turkey, 5 - 07 March 2020, pp.109-110
- XXIV. **The Preparation of Antibacterial Wound Dressing Materials Containing Allantoin via Electrospinning Method**
Çakmen A. B., NOMA S. A. A., GÜRSES C., KÖYTEPE S., ATEŞ B., YILMAZ İ.
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- XXV. **Preparation of Allantoin-Based Wound Dressing Materials to Enhance Wound Healing**
Çakmen A. B., NOMA S. A. A., GÜRSES C., KÖYTEPE S., ATEŞ B., YILMAZ İ.
5 th International Eurasian Congress on 'Natural Nutrition, Healthy Life & Sport', Ankara, Turkey, 2 - 06 October 2019, pp.1734-1735
- XXVI. **Investigation effects of ebselen, isorhamnetin and genistein on the cardiovascular system. International multidisciplinary symposium on drug research and development.**
Mehmet G., Acet H. A., Parlakpınar H., Özhan O., Vardı N., Ateş B., Ermiş N., Çolak C.
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GÜLHAN B., ERMİŞ N., GÜNATA M., ÖZHAN O., PARLAKPINAR H., VARDI N., YILDIZ A., ULU A., ATEŞ B., YAŞAR Ş., et al.
1. ULUSLARARASI BATTALGAZİ MULTİ DİSİPLİNER ÇALIŞMALAR KONGRESİ, 7 - 09 December 2018
- XXVIII. **Glukoz-PEG200-Tween Yapılı Poliüretan-Silika Kompozit Membranların Sentezi ve İbuprofen Sensörü**

olarak Kullanılması

ÖZCAN İ., ÇAKMEN A. B., KUYUMCU SAVAN E., ATEŞ B., KÖYTEPE S., YILMAZ İ.

23. Biyomedikal Bilim ve Teknoloji Sempozyumu, Turkey, 15 - 16 December 2018

- XXIX. **Östrogen Tayini İçin PU-MWCNT Kompozit Membran Temelli Elektrokimyasal Sensörlerin Geliştirilmesi**
ÖZCAN İ., ÇAKMEN A. B., KUYUMCU SAVAN E., ATEŞ B., KÖYTEPE S., YILMAZ İ.
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ATEŞ B., KÖYTEPE S., BALCIOĞLU S., ULU A., Noma S. A. A., Özcan İ.
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- XXXI. **Tikagrelorün Sıçanlarda Kardiyovasküler Üzerinde Yaptığı Değişikliklerin Araştırılması**
Gülhan B., ERMİŞ N., Günata M., ÖZHAN O., PARLAKPINAR H., VARDI N., YILDIZ A., ULU A., ATEŞ B., YAŞAR Ş., et al.
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PARLAKPINAR H., ŞAHİN F. N., ÖZHAN O., BENTLİ R., yıldız a., Balcıoğlu S., ATEŞ B., YAŞAR Ş.
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PARLAKPINAR H., ŞAHİN F., ÖZHAN O., BENTLİ R., YILDIZ A., VARDI N., ATEŞ B., ACET H. A.
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- XXXIV. **Perparation of The Gallic Acid Based-Sensor With Polyurethane Membrane Screen-Printed Carbon Electrode For Determination of Serotonin**
Erel E., Karaaslan M. G., Köytepe S., Ateş B., Yılmaz İ.
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- XXXV. **Magnetic Field Enhances Catalytic Activity of L-Asparaginase Conjugated on Fe3O4-Chitosan Nanoparticles**
ATEŞ B., ULU A., KÖYTEPE S., Noma S. A. A., KOLAT V. S., İZGİ T.
SANKO University Innovation in Medicine Summit-4, 11 - 13 October 2018
- XXXVI. **Preparation of Sericin Based UV-Curing Multifunctional Polyurethane Tissue Adhesives**
BALCIOĞLU S., ULU A., Noma S. A. A., GÜRSES C., Karaaslan M. G., KÖYTEPE S., ATEŞ B.
SANKO University Innovation in Medicine Summit-4, 11 - 13 October 2018
- XXXVII. **Nano-Electrospun Wound Dressing Materials Functionalized With Host-Guest Interactions**
BALCIOĞLU S., Noma S. A. A., ŞİMŞEK M., KÖYTEPE S., ATEŞ B.
NANO-TR-14, İzmir, Turkey, 22 - 25 September 2018, pp.184-187
- XXXVIII. **Silika Nanopartiküllerin Gökkuşaklıbalalık Sperm Hücrelerinin Motilite Parametreleri Üzerine in vitro Etkileri**
ÖZGÜR M. E., ULU A., ÖZCAN İ., BALCIOĞLU S., ATEŞ B., KÖYTEPE S.
3rd NATIONAL / 1st INTERNATIONAL WORKSHOP ON GAMETE BIOLOGY IN AQUACULTURE, İSKENDERUN/HATAY, Turkey, 19 - 21 September 2018
- XXXIX. **The in vitro Effects of Silica Nanoparticles on Motility Parameters in Rainbow Trout Sperm Cells**
ÖZGÜR M. E., ULU A., Özcan İ., BALCIOĞLU S., ATEŞ B., KÖYTEPE S.
3rd National/1st International Workshop on Gamete Biology in Aquaculture, 19 - 21 September 2018
- XL. **Effects of Silica on the Morphology, Structure and Properties of Starch/Poly(vinyl Pyrrolidone) Blends**
Noma S. A. A., ULU A., KÖYTEPE S., ATEŞ B.
VII. Polymer Science and Technology Congress with International Participation, 9 - 12 September 2018
- XLI. **Yapıştırma Süresi Kontrol Edilebilen ve Güçlü Yapıştırıcı Özelliğe Sahip Kollajen İçeren Polimerik Biyoyapıştırıcıların Hazırlanması**
ATEŞ B., KÖYTEPE S., Karaaslan M. G., BALCIOĞLU S., ULU A.

- VII. Polymer Science and Technology Congress with International Participation, 9 - 12 September 2018
- XLII. **Vitamin C- -Siklodekstrin İnküzyon Kompleksini İçeren Poliüretan Yara Örtü Materyallerinin Elektrosinning Yöntemiyle Hazırlanması**
Balcioglu S., Ali NOMA S. A., ŞİMŞEK M., ATEŞ B., KÖYTEPE S.
Uluslararası Katılımlı VII. Polimer Bilim ve Teknoloji Kongresi, 9 - 12 September 2018
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BALCIOĞLU S., NOMA S. A. A., ŞİMŞEK M., KÖYTEPE S., ATEŞ B.
7. Polimer Bilim ve Teknoloji Kongresi, Eskişehir, Turkey, 9 - 12 September 2018, pp.385
- XLIV. **Chloro-Functionalized Magnetic Fe₃O₄@MCM-41 Core-Shell Nanoparticles for Enzyme Immobilization**
ULU A., Noma S. A. A., KÖYTEPE S., ATEŞ B.
International Conference on Physical Chemistry and Functional Materials (PCFM'18), 19 - 21 June 2018
- XLV. **L-Asparaginase Immobilization On Amino Functionalized Fe₃O₄@SiO₂ Magnetic Nanoparticles**
Noma S. A. A., ULU A., KÖYTEPE S., ATEŞ B.
International Conference on Physical Chemistry and Functional Materials(PCFM'18), 19 - 21 June 2018
- XLVI. **Synthesis and Characterization of Isophorone Diisocyanate (IPDI), Gelatin and PEG200-Based Polyurethane-Acrylate Adhesives**
BALCIOĞLU S., Karaaslan M. G., ULU A., KÖYTEPE S., ATEŞ B.
International Conference on Physical Chemistry and Functional Materials (PCFM'18), Turkey, 19 - 21 June 2018
- XLVII. **Jelatin İçeren Poliüretan-Akrilat Kemik Yapıştırıcılarında Polietilen Glikol (PEG) Moleküler Ağırlığının Yapıştırıcı Güce Etkisi**
Karaaslan M. G., BALCIOĞLU S., ULU A., Özcan İ., KÖYTEPE S., ATEŞ B.
International Participation 6th Pharmaceutical Chemistry: Congress on the Design, Synthesis, Production and Standardization of Drug Active Ingredients, 22 - 25 March 2018
- XLVIII. **UV ile Kürlenmiş Doku Yapıştırıcılarında Çapraz Bağlanma Yoğunluğunun Yapıştırıcı Güce Etkisi**
Karaaslan M. G., BALCIOĞLU S., ULU A., Özcan İ., KÖYTEPE S., ATEŞ B.
International Participation 6th Pharmaceutical Chemistry: Congress on the Design, Synthesis, Production and Standardization of Drug Active Ingredients, 22 - 25 March 2018
- XLIX. **Surface Modification of MCM-41-Coated Magnetite Nanoparticles for Covalent Immobilization of L-Asnase**
Karaaslan M. G., BALCIOĞLU S., ULU A., Özcan İ., KÖYTEPE S., ATEŞ B.
International Participation 6th Pharmaceutical Chemistry: Congress on the Design, Synthesis, Production and Standardization of Drug Active Ingredients, Turkey, 22 - 25 March 2018
- L. **Farklı Oranda Hidroksil Uç Gruba Sahip UV Kürlenebilen Poliüretan Temelli Doku Yapıştırıcılarının Hazırlanması**
Karaaslan M. G., BALCIOĞLU S., ULU A., Özcan İ., KÖYTEPE S., ATEŞ B.
International Participation 6th Pharmaceutical Chemistry: Congress on the Design, Synthesis, Production and Standardization of Drug Active Ingredients, 22 - 25 March 2018
- LI. **Serisin Temelli Poliüretan-Akrilat Sert Doku Yapıştırıcılarının Hazırlanması**
Karaaslan M. G., BALCIOĞLU S., ULU A., Özcan İ., KÖYTEPE S., ATEŞ B.
International Participation 6th Pharmaceutical Chemistry: Congress on the Design, Synthesis, Production and Standardization of Drug Active Ingredients, 22 - 25 March 2018
- LII. **Bazı İsoindol-1,3-Dion Türevlerinin Ksantin Oksidaz Enzim İnhibisyonu,**
GÜNDOĞDU Ö., KİSHALI N., KARA Y., SAMİR ABBAS ALİ N., ATEŞ B.
Uluslararası Katılımlı 6. İlaç Kongresi, 22 - 25 March 2018
- LIII. **Manyetik Hipertermi Uygulamaları İçin CoFe₂O₄ Temelli Nanopartiküllerin Sentezi ve Yüzey Modifikasyonu**
Özcan İ., Balcioglu S., ATEŞ B., KÖYTEPE S., SEÇKİN T.
6. İlaç Kimyası Kongresi, Antalya, Turkey, 22 March - 25 April 2018, pp.85
- LIV. **Yara Örtüsü Uygulamaları İçin Siproflaksasin/β-Siklodekstrin Temelli Poliüretan Malzemelerin**

Antibakteriyel ve Biyouyumluluk Özelliklerinin Araştırılması

Kantarcioglu M., Karaaslan M. G., GÜRSES C., ATEŞ B., KÖYTEPE S.

6. İlaç Kimyası Kongresi, Antalya, Turkey, 22 - 25 March 2018, pp.175

- LV. **İlaç Taşıyıcı Platform Olarak Biyobozunur Şekil Hafızalı Stentler**
ATEŞ B.
6. İlaç Kimyası Kongresi, Antalya, Turkey, 22 - 25 March 2018
- LVI. **Yara Örtüsü Uygulamaları İçin Siproflaksasin/β-Siklodekstrin Temelli Poliüretan Malzemelerin Antibakteriyel ve Biyouyumluluk Özelliklerinin Araştırılması**
Kantarcioglu M., Karaaslan M. G., GÜRSES C., ATEŞ B., KÖYTEPE S.
6. İlaç Kimyası Kongresi, Antalya, Turkey, 22 - 25 March 2018, pp.175
- LVII. **Yara Örtüsü Uygulamaları İçin Siproflaksasin/β-Siklodekstrin Temelli Poliüretan Malzemelerin Antibakteriyel ve Biyouyumluluk Özelliklerinin Araştırılması**
Kantarcioglu M., Karaaslan M. G., GÜRSES C., ATEŞ B., KÖYTEPE S.
6. İlaç Kimyası Kongresi, Antalya, Turkey, 22 - 25 March 2018, pp.175
- LVIII. **Lamotrijinin karaciğer üzerine etkilerinin immünohistokimyasal ve biyokimyasal yöntemlerle araştırılması**
YILDIZ A., VARDI N., KARAASLAN M. G., PARLAKPINAR H., ATEŞ B.
1. GASTROİNTESTİNAL ARAŞTIRMA KONGRESİ, Turkey, 10 March 2018
- LIX. **Biberiye Uçucu Yağının Aljinat/ Nişasta ile Enkapsülasyonu ve Antikanser Özelliğinin Araştırılması**
GÖKBULUT İ., ÖZTÜRK F. S., BALCIOĞLU S., ATEŞ B., PARLAKPINAR H.
INTERNATIONAL SYMPOSIUM ONMEDICINAL, AROMATIC AND DYE PLANTS, 5 - 07 October 2017
- LX. **Investigation of Antioxidant Activity of Extracts Obtained from Rheum ribes L.**
KARAASLAN N. M., KARAASLAN M. G., ATEŞ B.
International Symposium on Medicinal, Aromatic and Dye Plants, 5 - 07 October 2017
- LXI. **Biberiye Uçucu Yağının Aljinat/ Nişasta ile Enkapsülasyonu ve Antikanser Özelliğinin Araştırılması**
Gökbulut İ., Öztürk F. S., Balcioğlu S., Ateş B., Parlakpınar H.
INTERNATIONAL SYMPOSIUM ONMEDICINAL, AROMATIC AND DYE PLANTS, Malatya, Turkey, 5 - 07 October 2017, pp.157-166
- LXII. **Magnetic-Upconversion Fe₃O₄-NaGdF₄:Yb₃,Er₃ Luminescence Nanocomposites:Synthesis, magnetization, optical properties and cytotoxicity**
Demirel Topel S., DOĞAN BİNGÖLBALİ N., ATEŞ B., TOPEL Ö., ASİLTÜRK M.
13th Nanoscience Nanotechnology Conference, Antalya, Turkey, 22 - 25 October 2017
- LXIII. **ANALYSIS AND EXTRACTION OF FOLIC ACID FROM MADIMAK (Polygonum cognatum Meissn.) USING PRESSURIZED LIQUID EXTRACTION (PLE) AND ANTIOXIDANT PROPERTIES OF THE EXTRACTS**
ULUSOY S., ERDOĞAN S., ULUSOY H. İ., ATEŞ B., KARAASLAN M., ERDEMOĞLU S.
INTERNATIONAL SYMPOSIUM ON MEDICINAL, AROMATIC AND DYE PLANTS - REYHAN 2017, Malatya, Turkey, 5 - 07 October 2017
- LXIV. **N-asetilsitein amidin ratlarda renal iskemireperfüzyon hasarında böbrek dokusu üzerine etkilerinin araştırılması**
EKİCİ C., ATEŞ B., PARLAKPINAR H., ÖZHAN O., VARDI N., YILDIZ A., TUNÇ S., ÇİĞREMİŞ Y.
24. ULUSAL FARMAKOLOJİ KONGRESİ, Turkey, 17 - 20 October 2017
- LXV. **N-Asetil Sistein Amid (NACA)'in Ratlarda Renal İskemi Reperfüzyon Hasarında Böbrek Dokusu Üzerine Etkilerinin Araştırılması**
Ekici C., ATEŞ B., PARLAKPINAR H., ÖZHAN O., VARDI N., YILDIZ A., Balcioğlu S.
24. Ulusal Farmakoloji Kongresi, Trabzon, Turkey, 17 - 20 October 2017, pp.1
- LXVI. **N-Asetil Sistein Amid (NACA)'in Ratlarda Renal İskemi Reperfüzyon Hasarında Böbrek Dokusu Üzerine Etkilerinin Araştırılması**
Ekici C., ATEŞ B., PARLAKPINAR H., ÖZHAN O., VARDI N., YILDIZ A., Balcioğlu S.
24. Ulusal Farmakoloji Kongresi, Trabzon, Turkey, 17 - 20 October 2017, pp.1
- LXVII. **N-Asetil Sistein Amid (NACA)'in Ratlarda Renal İskemi Reperfüzyon Hasarında Böbrek Dokusu Üzerine Etkilerinin Araştırılması**

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24. Ulusal Farmakoloji Kongresi, Trabzon, Turkey, 17 - 20 October 2017, pp.1
- LXVIII. **N-Asetil Sistein Amid (NACA)'in Ratlarda Renal İskemi Reperfüzyon Hasarında Böbrek Dokusu Üzerine Etkilerinin Araştırılması**
Ekici C., ATEŞ B., PARLAKPINAR H., ÖZHAN O., VARDI N., YILDIZ A., Balcıoğlu S.
24. Ulusal Farmakoloji Kongresi, Trabzon, Turkey, 17 - 20 October 2017, pp.1
- LXIX. **Analysis And Extraction Of Folic Acid From Madimak (Polygonum Cognatum Meissn.) Using Pressurized Liquid Extraction (PLE) And Antioxidant Properties Of The Extracts International Symposium On Medicinal, Aromatic And Dye Plants**
Ulusoy S., ERDOĞAN S., Ulusoy H. İ., ATEŞ B., BILMEZ-ERDEMOĞLU S.
International Symposium On Medicinal, Aromatic And Dye Plants, Malatya, Turkey, 5 - 07 October 2017, pp.1111
- LXX. **Preparation, Thermal, Optical and Rheological Properties of PHEMA/BA Composite Hydrogels**
ULU A., KÖYTEPE S., SARIMEŞELİ PAÇACI A., ATEŞ B.
29th General Chemistry Congress, Turkey, 10 - 14 September 2017
- LXXI. **β-Siklodekstrin, PEG ve Kuarsetin Temelli Hidrojellerin Özellikleri Üzerine PEG Molekül Kütlelerinin Etkisi**
AKSOY B., KÖYTEPE S., ATEŞ B.
29. Ulusal Kimya Kongresi, Turkey, 10 - 14 September 2017, pp.231
- LXXII. **PHEMA/BA Kompozit Hidrojellerinin Hazırlanması, Termal, Optik ve Reolojik Özelliklerinin İncelenmesi**
ULU A., KÖYTEPE S., SARIMEŞELİ PAÇACI A., ATEŞ B.
29. Ulusal Kimya Kongresi, Turkey, 10 - 14 September 2017, pp.201
- LXXIII. **Melatonin - Östrojen İkili Sisteminin Salımı için Polifenol Temelli Hidrojellerin Sentezi ve Karakterizasyonu**
KÖYTEPE S., AKSOY B., ATEŞ B., KURUŞ M., TÜRKÜOĞLU İ.
29. Ulusal Kimya Kongresi, Turkey, 10 - 14 September 2017, pp.207
- LXXIV. **Preparation of The Polyimide Membrane- Based Electrodes for the Detection of Bupivacaine**
GÜNGÖR Ö., Özcan İ., KÖYTEPE S., ATEŞ B.
Joint Science Congress of Materials and Polymers, Ohrid, Macedonia, 25 - 28 August 2017
- LXXV. **INVESTIGATION OF THE DEGRADATION KINETICS OF PEG-POLYPHENOL-CYCLODEXTRIN BASED HYDROGELS**
KÖYTEPE S., ATEŞ B., AKSOY B.
The International Joint Science Congress of Materials Polymers, 25 - 28 August 2017, pp.30
- LXXVI. **SYNTHESIS AND CHARACTERIZATION OF POLYIMIDE-MWCNT COMPOSITE MEMBRANES FOR SEROTONIN SENSOR APPLICATION**
EREL E., KÖYTEPE S., ATEŞ B., YILMAZ İ.
The International Joint Science Congress of Materials Polymers, 25 August - 28 May 2017, pp.86
- LXXVII. **DETERMINATION OF INJECTABILITY OF CYCLODEXTRIN BASED HYDROGELS FOR BIOMEDICAL APPLICATIONS**
AKSOY B., KÖYTEPE S., ATEŞ B.
The International Joint Science Congress of Materials Polymers, 25 - 28 August 2017, pp.83
- LXXVIII. **Investigation of in vivo Pharmacokinetic of Microcapsulated Rosemary Essential Oil**
GÖKBULUT İ., ÖZTÜRK F. S., ATEŞ B., PARLAKPINAR H.
TIPTA İNOVASYON BULUŞMALARI, Gaziantep, Turkey, 11 - 13 May 2017
- LXXIX. **Gallic acid-cyclodextrin based hydrogels with tuned swelling and estrogen release properties**
KÖYTEPE S., AKSOY B., TÜRKER Ü. M., ATEŞ B., SEÇKİN T.
EUPOC 2017 on polymers and additive manufacturing: from fundamentals to applications, 21 - 25 May 2017, pp.62
- LXXX. **Synthesis of epicatechin-cyclodextrin based hydrogels for biomedical applications**
AKSOY B., TÜRKER Ü. M., KÖYTEPE S., ATEŞ B., SEÇKİN T.
EUPOC 2017 on polymers and additive manufacturing: from fundamentals to applications, 21 - 25 May 2017, pp.61
- LXXXI. **Preparation of Biocompatible Semisynthetic Tissue adhesive for Use in Surgical Operations**

- ATEŞ B.
Sanko Innovation in Medicine Summit-3, 11 - 13 May 2017
- LXXXII. **Synthesis of Novel Hydrazone Derivatives and Investigation of Their Biological Activities**
NOMA S. A. A., Karaaslan M. G., Balcioglu S., Tunc T., ATEŞ B., Erzenin M.
Sanko University Innovation In Medicine, 11 - 13 May 2017
- LXXXIII. **Investigation of Alpha-Lipoic Acid Selective Properties Of Cellulose-Based Polyurethanes in Electrochemical Sensor Application**
EREL E., KARAASLAN M. G., KÖYTEPE S., ATEŞ B., YILMAZ İ.
SANKO University Innovation in Medicine Summit-3, 11 - 13 May 2017, pp.93
- LXXXIV. **Preparing Cardiac-Implantable Electrophysiological Device Coated with Biocompatible, Antibacterial Polyurethane Films Against the Post-Implantation Infection Problem**
KARAASLAN M. G., BİRHANLI E., KARAASLAN M. B., KÖYTEPE S., ATEŞ B.
SANKO University Innovation in Medicine Summit-3, 11 - 13 May 2017, pp.44
- LXXXV. **Determination of Cell Adhesive Properties of Boric Acid Containing Polyimide Film**
ÖZCAN İ., BALCIOĞLU S., ATEŞ B., KÖYTEPE S., SEÇKİN T.
SANKO University Innovation in Medicine Summit-3, 11 - 13 May 2017, pp.107
- LXXXVI. **Preparing Cardiac-Implantable Electrophysiological Device Coated with Biocompatible, Antibacterial Polyurethane Films Against the Post-Implantation Infection Problem**
GÖKŞİN KARAASLAN M., BİRHANLI E., KARAASLAN M. B., KÖYTEPE S., ATEŞ B.
SANKO University Innovation in Medicine Summit-3, Gaziantep, Turkey, 11 - 13 May 2017, pp.44
- LXXXVII. **Preparing Cardiac-Implantable Electrophysiological Device Coated with Biocompatible, Antibacterial Polyurethane Films Against the Post-Implantation Infection Problem**
GÖKŞİN KARAASLAN M., BİRHANLI E., KARAASLAN M. B., KÖYTEPE S., ATEŞ B.
SANKO University Innovation in Medicine Summit-3, Gaziantep, Turkey, 11 - 13 May 2017, pp.44
- LXXXVIII. **Synthesis of Characterization of Curcumin Based Injectable Hydrogels**
AKSOY B., KÖYTEPE S., ATEŞ B., TÜRKÇÜOĞLU I., KURUŞ M.
SANKO University Innovation in Medicine Summit-3, 11 - 13 May 2017, pp.121
- LXXXIX. **Development of Haemostatic Matrixs Based on Polyurethane Prepolymer and Biological Applications**
BALCIOĞLU S., KÖYTEPE S., ATEŞ B.
SANKO University Innovation in Medicine Summit-3, 11 - 13 May 2017, pp.65
- XC. **Design and Preparation of Caffeic Acid Based Hydrogels for Biomedical Application**
AKSOY B., ATEŞ B., KURUŞ M., TÜRKÇÜOĞLU I., KÖYTEPE S.
SANKO University Innovation in Medicine Summit-3, 11 - 13 May 2017, pp.88
- XCI. **Synthesis of Novel Hydrazone Derivatives and Investigation of Their Biological**
SAMİR ABBAS ALİ N., MERVE GÖKSİN K., SEVGİ B., TUNÇ T., ATEŞ B., ERZENİN M.
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- XCII. **Immobilization of L-Asparaginase on Phema/Starch Biocomposite: A Recoverable Biocatalyst For L-Asparagine Removal**
ULU A., KÖYTEPE S., ATEŞ B.
SANKO University Innovation in Medicine Summit-3, 11 - 13 May 2017, pp.66
- XCIII. **Preparing Cardiac-Implantable Electrophysiological Device Coated with Biocompatible, Antibacterial Polyurethane Films Against the Post-Implantation Infection Problem**
GÖKŞİN KARAASLAN M., BİRHANLI E., KARAASLAN M. B., KÖYTEPE S., ATEŞ B.
SANKO University Innovation in Medicine Summit-3, Gaziantep, Turkey, 11 - 13 May 2017, pp.44
- XCIV. **Biyobenzer Tasarımlar İçeren Poliüretan Temelli Doku Yapıştırıcı Dizaynı Ve Uygulaması**
ATEŞ B., KÖYTEPE S., BALCIOĞLU S., KARAASLAN M. G., ULU A.
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- XCIV. **Biyobenzer Tasarımlar İçeren Poliüretan Temelli Doku yapıştırıcı Dizaynı ve Uygulaması**
ATEŞ B.
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- XCVI. Immobilization of L-asparaginase onto PMMA Composites Activated with Starch**
ULU A., KÖYTEPE S., ATEŞ B.
46th IUPAC World Polymer Congress (MACRO 2016), Turkey, 17 July 2016
- XCVII. Synthesis Characterization and Dopamine Selective Properties Of Polyurethane Films Containing Chlorogenic Acid**
Erel E., Karaaslan M., KÖYTEPE S., ATEŞ B., YILMAZ İ.
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- XCVIII. Synthesis of Tween Based Polyurethane Adhesives Capable of Adhering in Moisture Environment**
ATEŞ B., KÖYTEPE S., Karaaslan M., KELEŞTEMUR Ü., Balcioğlu S., Gülgen S.
Macro2016, 17 - 21 July 2016
- XCIX. Hydrophilic and Hydrophobic Balance in Tissue Adhesives**
Balcioğlu S., ATEŞ B., KÖYTEPE S., Karaaslan M., KELEŞTEMUR Ü., Gülgen S.
Macro2016, 17 - 21 July 2016
- C. Development of Tween 60/Boric Acid-based Antibacterial Polyurethane Biomaterials Including Hydrophobic Surface for Wound Dressing Application**
GÖKŞİN KARAASLAN M., BİRHANLI E., GÜLGEN S., KÖYTEPE S., ATEŞ B.
MACRO 2016 - 46th IUPAC WORLD POLYMER CONGRESS, İstanbul, Turkey, 17 - 21 July 2016, pp.213-214
- CI. The Comparison of Isothermal and Hydrolytic Degradability Properties of Non-aromatic Polyurethanes Prepared for Medical Applications**
GÜRSES C., Daştan H., Karaaslan M. G., Gülgen S., KÖYTEPE S., ATEŞ B.
MACRO 2016 (Dünya Polimer Kongresi), İstanbul, Turkey, 17 - 21 July 2016, pp.216
- CII. Delivery Kinetics and Preparation of Rosemary Essential Oil Formulation Microencapsulated with Alginate Starch**
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46th IUPAC World polymer congress, 17 - 21 July 2016
- CIII. The Comparison of Isothermal and Hydrolytic Degradability Properties of Non-aromatic Polyurethanes Prepared for Medical Applications**
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MACRO 2016 (Dünya Polimer Kongresi), İstanbul, Turkey, 17 - 21 July 2016, pp.216
- CIV. Preparation, characterization and antibacterial study of PHEMA (soft contact lens) hydrogel incorporated with boric acid**
ULU A., KESKİN R., BİRHANLI E., BALCIOĞLU S., KÖYTEPE S., ATEŞ B.
MACRO 2016 - 46th IUPAC WORLD POLYMER CONGRESS, İstanbul, Turkey, 17 - 21 July 2016, pp.211-212
- CV. The Comparison of Isothermal and Hydrolytic Degradability Properties of Non-aromatic Polyurethanes Prepared for Medical Applications**
GÜRSES C., Daştan H., Karaaslan M. G., Gülgen S., KÖYTEPE S., ATEŞ B.
MACRO 2016 (Dünya Polimer Kongresi), İstanbul, Turkey, 17 - 21 July 2016, pp.216
- CVI. CoFe2O4 FRUCTOSE METHOTREXATE BASED ANTICANCER DRUG DESIGN**
KARACA AÇARI İ., KÖYTEPE S., ATEŞ B., BALCIOĞLU S., SEÇKİN T., YILMAZ İ.
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MACRO 2016 - 46th IUPAC WORLD POLYMER CONGRESS, İstanbul, Turkey, 17 - 21 July 2016, pp.211-212

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- CXIX. Biodegradable and Biocompatible Polyurethane Tissue Adhesives Using Tween PEG Caffeic Acid As Polyol Resource**
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- CXXII. N Acetylcysteine Conjugate of Polyhedral Oligomeric Silsesquioxane and Determination of Its Antioxidant Activity**
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- CXXIII. Enhancing The Adhesion Strength of Chlorogenic Acid Based Polyurethane with Iron Ligand for Tissue Engineering**
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