

Prof. BURHAN ATEŞ

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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.
MONATSHEFTE 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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- 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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