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Eğitim Bilgileri

Doktora, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (Dr), Türkiye 1998 - 2002
Yüksek Lisans, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (Yl) (Tezli), Türkiye 1996 - 1998
Lisans, Van Yüzüncü Yıl Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, Türkiye 1991 - 1995

Yaptığı Tezler

Doktora, Koyun eritrositleri ve göz lensinden glukoz-6-fosfat dehidrogenaz enziminin saflaştırılması, karakterizasyonu, bazı ilaç ve kimyasal maddelerin inhibisyon veya aktivasyon kinetiklerinin incelenmesi, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (Dr), 2002
Yüksek Lisans, İnsan eritrositlerinde bulunan karbonik anhidraz izoenzimleri üzerinde bazı ilaçların aktivasyon ve inhibisyon etkilerinin incelenmesi, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (Yl) (Tezli), 1998

Araştırma Alanları

Biyokimya, Kimya, Biyokimya

Akademik Unvanlar / Görevler

Prof. Dr., Anadolu Üniversitesi, ECZACILIK FAKÜLTESİ, TEMEL ECZACILIK BİLİMLERİ BÖLÜMÜ, 2016 - Devam Ediyor
Prof. Dr., Atatürk Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2012 - 2016
Doç. Dr., Atatürk Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2006 - 2012
Yrd. Doç. Dr., Atatürk Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2002 - 2006
Araştırma Görevlisi, Atatürk Üniversitesi, Fen Fakültesi, Kimya Bölümü, 1996 - 2002

Akademik İdari Deneyim

Bilecik Şeyh Edebali Üniversitesi, 2020 - Devam Ediyor

Bursa Teknik Üniversitesi, 2016 - 2016
Iğdır Üniversitesi, 2015 - 2016
Atatürk Üniversitesi, 2010 - 2012
Atatürk Üniversitesi, 2010 - 2011

Verdiği Dersler

GENEL KİMYA, Lisans, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010
BİYOKİMYA, Lisans, 2015 - 2016, 2011 - 2012, 2010 - 2011
Bazı Biyomakromolekülerin İzolasyonu, Karakterizasyonu ve Saflaştırma Teknikleri, Yüksek Lisans, 2011 - 2012, 2010 - 2011, 2009 - 2010
Biyoteknoloji, Lisans, 2011 - 2012, 2010 - 2011, 2009 - 2010
Protein Yapı Analizi , Doktora, 2011 - 2012, 2010 - 2011, 2009 - 2010
Biyolojik Makromoleküller için Spektroskopik Teknikler, Lisans, 2010 - 2011
Bitki Biyokimyası, Lisans, 2010 - 2011
Laboratuar Deneyimi, Yüksek Lisans, 2010 - 2011
Biyokimya Laboratuarı, Lisans, 2009 - 2010

Yönetilen Tezler

ŞÜKRÜ B., İstiridye Mantarından (Pleurotus ostreatus) Modifiye Yöntemlerle Tirozinaz Enziminin Saflaştırılması, Yüksek Lisans, K.KURT(Öğrenci), 2022
ŞÜKRÜ B., Keçi karaciğerinden sorbitol yolu enzimlerinin izolasyonu, karakterizasyonu ve bazı fenolik bileşiklerin enzimlerinaktivitesi üzerine etkilerinin incelenmesi, Doktora, M.AKKUŞ(Öğrenci), 2020
ŞÜKRÜ B., Antidiyabetik ilaç formuna sahip bazı moleküllerin sentezi, karakterizasyonu, biyolojik özelliklerinin incelenmesi ve moleküler yerleştirme çalışmaları, Doktora, S.ALİ(Öğrenci), 2020
ŞÜKRÜ B., İnsan karbonik anhidraz VII enzim geninin eE coli'de klonlanması, ekspresyonu, rekombinant enzimin saflaştırılması, karakterizasyonu ve bazı antibiyotiklerin bu enzim aktivitesi üzerine etkilerinin incelenmesi, Doktora, H.ESRA(Öğrenci), 2018
ŞÜKRÜ B., İnsan aldehit dehidrogenaz izoenzimlerinin (ALDH1A1, ALDH1A3 ve ALDH2) klonlanması, ekspresyonu, saflaştırılması ve bazı antibiyotiklerin bu enzimlerin aktivitesi üzerine etkilerinin incelenmesi, Doktora, Y.DEMİR(Öğrenci), 2018
ŞÜKRÜ B., Siklooksijenaz enziminin insan apendiks dokusundan saflaştırılması ve bazı ilaçların enzim aktivitesi üzerine etkilerinin incelenmesi, Doktora, C.TÜRKEŞ(Öğrenci), 2016
ŞÜKRÜ B., İnsan trombositlerinden nitrik oksit sentaz enziminin ve insan serumundan Paraoksonaz-1 enziminin saflaştırılması, bazı ilaçların bu enzimlerin aktiviteleri üzerine etkilerinin incelenmesi, Doktora, Z.ALIM(Öğrenci), 2015
ŞÜKRÜ B., Koyun karaciğerinden aldoz redüktaz ve sorbitol dehidrogenaz enzimlerinin saflaştırılması ve bazı fenolik asitlerin enzimlerin aktivitesi üzerine etkilerinin incelenmesi, Yüksek Lisans, H.ESRA(Öğrenci), 2015
ŞÜKRÜ B., Keçi (Capra aegagrus Hircus) böbreğinden aldoz redüktaz ve sorbitol dehidrogenaz enzimlerinin saflaştırılması, karakterizasyonu ile bazı ilaç ve metallerin enzim aktiviteleri üzerine etkilerinin incelenmesi, Doktora, M.KIRICI(Öğrenci), 2015
ŞÜKRÜ B., Sığır böbreğinden aldoz redüktaz ve sorbitol dehidrogenaz enzimlerinin saflaştırılması, karakterizasyonu ve bazı antibiyotiklerin enzim aktivitesi üzerine etkilerinin incelenmesi, Doktora, N.KILINÇ(Öğrenci), 2015
ŞÜKRÜ B., Koyun böbreğinden aldoz redüktaz ve sorbitol dehidrogenaz enzimlerinin saflaştırılması, karakterizasyonu ve bazı ilaçların enzim aktiviteleri üzerine etkilerinin incelenmesi, Doktora, B.ŞENGÜL(Öğrenci), 2014
ŞÜKRÜ B., İnsan karaciğeri pon1 enzim geninin klonlanması, inklüzyon cisimciklerinden arındırılarak protein yapısının yeniden katlandırılması ve enzimin karekterizasyonu, Yüksek Lisans, Y.DEMİR(Öğrenci), 2014
ŞÜKRÜ B., Hamsi (Engraulis encrasicolus) ve mezgit (Merlangius merlangus euxinus) balıklarının solungaç dokularından karbonik anhidraz enziminin saflaştırılması, karakterizasyonu ve bazı metal iyonlarının enzim aktivitesi üzerine

etkilerinin incelenmesi, Yüksek Lisans, N.ARSLAN(Öğrenci), 2013
ŞÜKRÜ B., Nitrik oksit sentaz enziminin sığır böbrek ve trombositlerinden saflaştırılması, karakterizasyonu ve bazı ilaçların enzim aktivitesi üzerine etkilerinin incelenmesi, Doktora, M.MUSTAFA(Öğrenci), 2013
ŞÜKRÜ B., Sığır eritrositlerinden karbonik anhidraz enziminin saflaştırılması ve bazı antibiyotiklerin enzim aktivitesi üzerine etkilerinin incelenmesi, Yüksek Lisans, M.YAZICIOĞLU(Öğrenci), 2013
ŞÜKRÜ B., Tavuk karaciğerinden sorbitol dehidrogenaz enziminin saflaştırılması ve bazı ağır metallerin enzim aktivitesi üzerine etkilerinin incelenmesi, Yüksek Lisans, M.AKKUŞ(Öğrenci), 2012
ŞÜKRÜ B., Koyun karaciğer mikrozomlarından PON1 enziminin saflaştırılması, karakterizasyonu ve bazı radyonüklid ilaçların enzim aktivitesi üzerine etkilerinin incelenmesi, Yüksek Lisans, B.KONCUK(Öğrenci), 2011
ŞÜKRÜ B., Karbonik anhidraz I ve II izoenzimlerinin koyun midesinden saflaştırılması, karakterizasyonu ve bazı ilaçların enzim aktivitesi üzerine etkilerinin incelenmesi, Yüksek Lisans, N.KILINÇ(Öğrenci), 2011
ŞÜKRÜ B., Glukoz 6-fosfat dehidrogenaz enziminin çipura karaciğer ve solungaç dokularından saflaştırılması ve enzim aktivitesi üzerine bazı metallerin etkilerinin incelenmesi, Yüksek Lisans, M.ÇAM(Öğrenci), 2011
ŞÜKRÜ B., Çipura (Sparus aurata) balığının karaciğer, solungaç ve böbrek dokularından karbonik anhidraz enziminin saflaştırılması, karakterizsayonu ve bazı metal iyonarının enzim aktivitesi üzerine etkilerinin incelenmesi, Doktora, E.DUYGU(Öğrenci), 2011
ŞÜKRÜ B., İnsan serumundan paraoksonaz-ı enziminin saflaştırılması ve bazı ilaçların enzim aktivitesi üzerine etkilerinin incelenmesi, Yüksek Lisans, C.TÜRKEŞ(Öğrenci), 2010
ŞÜKRÜ B., Koyun karaciğerinden sorbitol dehidrogenaz enziminin saflaştırılması ve enzim aktivitesi üzerine bazı ilaçların etkilerinin incelenmesi, Yüksek Lisans, Z.ALIM(Öğrenci), 2010
ŞÜKRÜ B., İnsan serumundan paraoksonaz 1 enziminin saflaştırılması, bazı metal iyonları ve antibiyotiklerin enzim aktivitesi üzerine etkilerinin incelenmesi, Doktora, D.EKİNCİ(Öğrenci), 2009
ŞÜKRÜ B., İnsan serum paraoksonaz enziminin saflaştırılması ve bazı ilaçların enzim aktivitesi üzerine etkilerinin araştırılması, Yüksek Lisans, M.MUSTAFA(Öğrenci), 2009
ŞÜKRÜ B., Fare genomunda bulunan karbonik anhidraz izoenzim ve karboksilaz enzim genlerinin cDNA'larının üretilmesi, antisens mRNA sentezi ve in situ hibridizasyonu ile gen ekspresyon analizi, Yüksek Lisans, D.EKİNCİ(Öğrenci), 2006
ŞÜKRÜ B., Gökkuşağı alabalık (oncorhynchus mykiss) dokularından karbonik anhidraz enziminin saflaştırılması, karakterizasyonu ve kinetik özelliklerinin incelenmesi, Doktora, H.SÖYÜT(Öğrenci), 2006

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

I. **New naphthoquinone thiazole hybrids as carbonic anhydrase and cholinesterase inhibitors: Synthesis, crystal structure, molecular docking, and acid dissociation constant**
Efeoglu C., Selcuk O., DEMİR B., ŞAHİN E., SARI H., Turkes C., DEMİR Y., NURAL Y., BEYDEMİR Ş.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1301, 2024 (SCI-Expanded)

II. **Protective effects of esculetin against doxorubicin-induced toxicity correlated with oxidative stress in rat liver: In vivo and in silico studies**
Koeroglu Z., Kizir D., KARAMAN M., DEMİR Y., Tuerkes C., BEYDEMİR Ş.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, cilt.38, sa.4, 2024 (SCI-Expanded)

III. **Novel spiroindoline derivatives targeting aldose reductase against diabetic complications: Bioactivity, cytotoxicity, and molecular modeling studies**
Gulec O., TÜRKEŞ C., ARSLAN M., DEMİR Y., Dincer B., Ece A., KÜFREVİOĞLU Ö. İ., BEYDEMİR Ş.
BIOORGANIC CHEMISTRY, cilt.145, 2024 (SCI-Expanded)

IV. **The impact of some metals, molecular docking and molecular dynamic calculations on glucose 6-phosphate dehydrogenase activity in Capoeta trutta (Heckel, 1843) tissue**
KIRICI M., TÜZÜN B., KIRICI M., ATAMANALP M., Poustforoosh A., BEYDEMİR Ş., TAYSI M. R.
JOURNAL OF MOLECULAR LIQUIDS, cilt.399, 2024 (SCI-Expanded)

V. **New N-(1,3,4-thiadiazole-2-yl)acetamide derivatives as human carbonic anhydrase I and II and acetylcholinesterase inhibitors**

Dawbaa S., Tuerkes C., Nuha D., DEMİR Y., Evren A. E., YURTTAŞ L., BEYDEMİR Ş.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, 2024 (SCI-Expanded)

VI. **Isolation of phenolic compounds from eco-friendly white bee propolis: Antioxidant, wound-healing, and anti-Alzheimer effects**
NECİP A., Demirtas I., Tayhan S. E., IŞIK M., BİLGİN S., Turan I. F., Ipek Y., Beydemir Ş.
FOOD SCIENCE & NUTRITION, cilt.12, sa.3, ss.1928-1939, 2024 (SCI-Expanded)

VII. **Effect of fentanyl and remifentanil on neuron damage and oxidative stress during induction neurotoxicity**
Taghizadehghalehjoughi A., Naldan M. E., Yeni Y., Genc S., Hacimuftuoglu A., Isik M., Necip A., BOLAT İ., YILDIRIM S., Beydemir S., et al.
JOURNAL OF CELLULAR AND MOLECULAR MEDICINE, cilt.28, sa.4, 2024 (SCI-Expanded)

VIII. **The effects of morin and methotrexate on pentose phosphate pathway enzymes and GR/GST/TrxR enzyme activities: An in vivo and in silico study**
ÇAĞLAYAN C., TEMEL Y., TÜRKEŞ C., AYNA A., Ece A., BEYDEMİR Ş.
ARCHIV DER PHARMAZIE, cilt.357, sa.2, 2024 (SCI-Expanded)

IX. **Design and Synthesis of Pyrazole Carboxamide Derivatives as Selective Cholinesterase and Carbonic Anhydrase Inhibitors: Molecular Docking and Biological Evaluation**
DURGUN M., AKOCAK S., Lolak N., Topal F., KOÇYİĞİT Ü. M., Turkes C., IŞIK M., BEYDEMİR Ş.
CHEMISTRY & BIODIVERSITY, cilt.21, sa.2, 2024 (SCI-Expanded)

X. **Evaluation of the relationship among gene expressions and enzyme activities with antioxidant role and presenilin 1 expression in Alzheimer's disease**
IŞIK M., Tunc A., Duran H. E., Naldan M. E., Yilmaz A., KOÇAK M. N., BEYDEMİR Ş.
JOURNAL OF CELLULAR AND MOLECULAR MEDICINE, cilt.27, sa.21, ss.3388-3394, 2023 (SCI-Expanded)

XI. **Synthesis, Theoretical, in Silico and in Vitro Biological Evaluation Studies of New Thiosemicarbazones as Enzyme Inhibitors**
Erdogan M., ÇAVUŞ M. S., MUĞLU H., Yakan H., TÜRKEŞ C., Demir Y., Beydemir S.
CHEMISTRY & BIODIVERSITY, cilt.20, sa.11, 2023 (SCI-Expanded)

XII. **Novel bis-ureido-substituted sulfaguanidines and sulfisoxazoles as carbonic anhydrase and acetylcholinesterase inhibitors**
Lolak N., AKOCAK S., DURGUN M., Duran H. E., NECİP A., TÜRKEŞ C., IŞIK M., BEYDEMİR Ş.
MOLECULAR DIVERSITY, cilt.27, sa.4, ss.1735-1749, 2023 (SCI-Expanded)

XIII. **Synthesis and characterization of novel acyl hydrazones derived from vanillin as potential aldose reductase inhibitors**
Demir Y., TOKALI F. S., Kalay E., TÜRKEŞ C., Tokali P., ASLAN O. N., Sendil K., BEYDEMİR Ş.
MOLECULAR DIVERSITY, cilt.27, sa.4, ss.1713-1733, 2023 (SCI-Expanded)

XIV. **Synthesis and Characterization of Novel 1,3-Diaryltriazene-Substituted Sulfaguanidine Derivatives as Selective Carbonic Anhydrase Inhibitors: Biological Evaluation, in Silico ADME/T and Molecular Docking Study**
AKOCAK S., Lolak N., Duran H. E., IŞIK M., TÜRKEŞ C., DURGUN M., BEYDEMİR Ş.
CHEMISTRY & BIODIVERSITY, cilt.20, sa.8, 2023 (SCI-Expanded)

XV. **Novel beta-lactam substituted benzenesulfonamides: in vitro enzyme inhibition, cytotoxic activity and in silico interactions**
Gulec O., TÜRKEŞ C., ARSLAN M., Demir Y., Dincer B., Ece A., BEYDEMİR Ş.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, 2023 (SCI-Expanded)

XVI. **Discovery of novel benzenesulfonamides incorporating 1,2,3-triazole scaffold as carbonic anhydrase I, II, IX, and XII inhibitors**
Buza A., TÜRKEŞ C., ARSLAN M., Demir Y., Dincer B., Nixha A. R., BEYDEMİR Ş.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, cilt.239, 2023 (SCI-Expanded)

XVII. **A novel series of thiosemicarbazone hybrid scaffolds: Design, synthesis, DFT studies, metabolic enzyme inhibition properties, and molecular docking calculations**
YAKAN H., MUĞLU H., TÜRKEŞ C., Demir Y., Erdogan M., ÇAVUŞ M. S., BEYDEMİR Ş.

JOURNAL OF MOLECULAR STRUCTURE, cilt.1280, 2023 (SCI-Expanded)

XVIII. **A new series of hydrazones as small-molecule aldose reductase inhibitors**
Altıntop M. D., Demir Y., Türkeş C., Öztürk R. B., Cantürk Z., Beydemir Ş., Özdemir A.
Archiv der Pharmazie, cilt.356, sa.4, 2023 (SCI-Expanded)

XIX. **Novel acetic acid derivatives containing quinazolin-4(3H)-one ring: Synthesis, in vitro, and in silico evaluation of potent aldose reductase inhibitors**
TOKALI F. S., Demir Y., TÜRKEŞ C., Dincer B., BEYDEMİR Ş.
DRUG DEVELOPMENT RESEARCH, cilt.84, sa.2, ss.275-295, 2023 (SCI-Expanded)

XX. **Enzyme inhibition, molecular docking, and density functional theory studies of new thiosemicarbazones incorporating the 4-hydroxy-3,5-dimethoxy benzaldehyde motif**
Demir Y., TÜRKEŞ C., ÇAVUŞ M. S., Erdogan M., MUĞLU H., YAKAN H., BEYDEMİR Ş.
ARCHIV DER PHARMAZIE, cilt.356, 2023 (SCI-Expanded)

XXI. **The synthesis, biological evaluation and in silico studies of asymmetric 3,5-diaryl-rhodanines as novel inhibitors of human carbonic anhydrase isoenzymes**
Yararli K., Ozer E. B., BAYINDIR S., ÇAĞLAYAN C., TÜRKEŞ C., BEYDEMİR Ş.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1276, 2023 (SCI-Expanded)

XXII. **Exploration of Some Bis-Sulfide and Bis-Sulfone Derivatives as Non-Classical Aldose Reductase Inhibitors**
Turkes C., Demir Y., BİÇER A., TURGUT CİN G., GÜLTEKİN M. S., BEYDEMİR Ş.
CHEMISTRYSELECT, cilt.8, sa.5, 2023 (SCI-Expanded)

XXIII. **Recombinant human carbonic anhydrase VII: Purification, characterization, inhibition, and molecular docking studies**
Duran H. E., BEYDEMİR Ş.
BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY, cilt.70, sa.1, ss.415-428, 2023 (SCI-Expanded)

XXIV. **Exploration of 1,2,3-triazole linked benzenesulfonamide derivatives as isoform selective inhibitors of human carbonic anhydrase**
Kakakhan C., Türkeş C., Güleç Ö., Demir Y., Arslan M., Özkemahlı G., Beydemir Ş.
Bioorganic and Medicinal Chemistry, cilt.77, 2023 (SCI-Expanded)

XXV. **Synthesis, characterization and docking studies of benzenesulfonamide derivatives containing 1,2,3-triazole as potential inhibitor of carbonic anhydrase I-II enzymes**
Gungor S. A., KÖSE M., TÜMER M., TÜRKEŞ C., BEYDEMİR Ş.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, cilt.41, sa.20, ss.10919-10929, 2023 (SCI-Expanded)

XXVI. **Molecular Docking Studies and the Effect of Fluorophenylthiourea Derivatives on Glutathione-Dependent Enzymes**
Demir Y., TÜRKEŞ C., KÜFREVİOĞLU Ö. İ., BEYDEMİR Ş.
CHEMISTRY & BIODIVERSITY, cilt.20, sa.1, 2023 (SCI-Expanded)

XXVII. **In Vitro Inhibitory Activity and Molecular Docking Study of Selected Natural Phenolic Compounds as AR and SDH Inhibitors**
TÜRKEŞ C., Demir Y., BEYDEMİR Ş.
CHEMISTRYSELECT, cilt.7, sa.48, 2022 (SCI-Expanded)

XXVIII. **N-substituted phthalazine sulfonamide derivatives as non-classical aldose reductase inhibitors**
TÜRKEŞ C., ARSLAN M., Demir Y., Cocaj L., Nixha A. R., BEYDEMİR Ş.
JOURNAL OF MOLECULAR RECOGNITION, cilt.35, sa.12, 2022 (SCI-Expanded)

XXIX. **Biological evaluation and in silico study of benzohydrazide derivatives as paraoxonase 1 inhibitors**
Korkmaz I. N., TÜRKEŞ C., Demir Y., ÖZTEKİN A., ÖZDEMİR H., BEYDEMİR Ş.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, cilt.36, sa.11, 2022 (SCI-Expanded)

XXX. **Methyl benzoate derivatives: in vitro Paraoxonase 1 inhibition and in silico studies**
Korkmaz I. N., TÜRKEŞ C., Demir Y., ÖZDEMİR H., BEYDEMİR Ş.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, cilt.36, sa.10, 2022 (SCI-Expanded)

XXXI. **Cytotoxic effect, enzyme inhibition, and in silico studies of some novel N-substituted sulfonyl amides incorporating 1,3,4-oxadiazol structural motif**

Gulec O., TÜRKEŞ C., ARSLAN M., Demir Y., YENİ Y., HACIMÜFTÜOĞLU A., Ereminsoy E., KÜFREVİOĞLU Ö. İ., BEYDEMİR Ş.
MOLECULAR DIVERSITY, cilt.26, sa.5, ss.2825-2845, 2022 (SCI-Expanded)

XXXII. **Design, synthesis, and biological activity of novel dithiocarbamate-methylsulfonyl hybrids as carbonic anhydrase inhibitors**
OSMANİYE D., TÜRKEŞ C., Demir Y., ÖZKAY Y., BEYDEMİR Ş., KAPLANCIKLI Z. A.
ARCHIV DER PHARMAZIE, cilt.355, sa.8, 2022 (SCI-Expanded)

XXXIII. **Design, synthesis, and aldose reductase inhibitory effect of some novel carboxylic acid derivatives bearing 2-substituted-6-aryloxo- pyridazinone moiety**
Akdag M., ÖZÇELİK A. B., Demir Y., BEYDEMİR Ş.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1258, 2022 (SCI-Expanded)

XXXIV. **Synthesis, biological evaluation, and in silico study of novel library sulfonates containing quinazolin-4(3H)-one derivatives as potential aldose reductase inhibitors**
TOKALI F. S., Demir Y., Demircioglu I. H., TÜRKEŞ C., Kalay E., Sendil K., BEYDEMİR Ş.
DRUG DEVELOPMENT RESEARCH, cilt.83, sa.3, ss.586-604, 2022 (SCI-Expanded)

XXXV. **In vitro and in silico interactions of antiulcer, glucocorticoids and urological drugs on human carbonic anhydrase I and II isozymes**
GÜLLER U., BEYDEMİR Ş., KÜFREVİOĞLU Ö. İ.
BIOPHARMACEUTICS & DRUG DISPOSITION, cilt.43, sa.2, ss.47-56, 2022 (SCI-Expanded)

XXXVI. **AChE mRNA expression as a possible novel biomarker for the diagnosis of coronary artery disease and Alzheimer's disease, and its association with oxidative stress**
IŞIK M., BEYDEMİR Ş.
ARCHIVES OF PHYSIOLOGY AND BIOCHEMISTRY, cilt.128, sa.2, ss.352-359, 2022 (SCI-Expanded)

XXXVII. **Oxidative Stress and Changes of Important Metabolic Gene Expressions as a Potential Biomarker in the Diagnosis of Atherosclerosis in Leukocytes**
IŞIK M., Tunc A., BEYDEMİR Ş.
BRAZILIAN JOURNAL OF CARDIOVASCULAR SURGERY, cilt.37, sa.4, ss.481-487, 2022 (SCI-Expanded)

XXXVIII. **Molecular docking and inhibition studies of vulpinic, carnosic and usnic acids on polyol pathway enzymes**
Demir Y., CEYLAN H., TÜRKEŞ C., BEYDEMİR Ş.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, cilt.40, sa.22, ss.12008-12021, 2022 (SCI-Expanded)

XXXIX. **Novel inhibitors with sulfamethazine backbone: synthesis and biological study of multi-target cholinesterases and alpha-glucosidase inhibitors**
TÜRKEŞ C., AKOCAK S., IŞIK M., Lolak N., Taslimi P., DURGUN M., GÜLÇİN İ., Budak Y., BEYDEMİR Ş.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, cilt.40, sa.19, ss.8752-8764, 2022 (SCI-Expanded)

XL. **Some calcium-channel blockers: kinetic andin silicostudies on paraoxonase-I**
TÜRKEŞ C., Demir Y., BEYDEMİR Ş.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, cilt.40, sa.1, ss.77-85, 2022 (SCI-Expanded)

XLI. **Biological effects of bis-hydrazone compounds bearing isovanillin moiety on the aldose reductase**
Yapar G., Duran H. E., Lolak N., AKOCAK S., Turkes C., DURGUN M., IŞIK M., BEYDEMİR Ş.
BIOORGANIC CHEMISTRY, cilt.117, 2021 (SCI-Expanded)

XLII. **Novel metabolic enzyme inhibitors designed through the molecular hybridization of thiazole and pyrazoline scaffolds**
SEVER B., TÜRKEŞ C., ALTINTOP M. D., Demir Y., AKALIN ÇİFTÇİ G., BEYDEMİR Ş.
ARCHIV DER PHARMAZIE, cilt.354, sa.12, 2021 (SCI-Expanded)

XLIII. **Infection Medications: Assessment In-Vitro Glutathione S-Transferase Inhibition and Molecular Docking Study**
TÜRKEŞ C., Demir Y., BEYDEMİR Ş.
CHEMISTRYSELECT, cilt.6, sa.43, ss.11915-11924, 2021 (SCI-Expanded)

XLIV. **The impact of some phenolic compounds on serum acetylcholinesterase: kinetic analysis of an enzyme/inhibitor interaction and molecular docking study**

IŞIK M., BEYDEMİR Ş.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, cilt.39, sa.17, ss.6515-6523, 2021 (SCI-Expanded)

XLV. **Purification of the phytase enzyme fromLactobacillus plantarum: The effect on pansy growth and macro-micro element content**
PARLAKOVA KARAGÖZ F., Demir Y., ŞENOL KOTAN M., DURSUN A., BEYDEMİR Ş., DİKBAŞ N.
BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY, cilt.68, sa.5, ss.1067-1075, 2021 (SCI-Expanded)

XLVI. **Calcium Channel Blockers: The Effect of Glutathione S-Transferase Enzyme Activity and Molecular Docking Studies**
TÜRKEŞ C., Kesebir A. O., Demir Y., KÜFREVİOĞLU Ö. İ., BEYDEMİR Ş.
CHEMISTRYSELECT, cilt.6, sa.40, ss.11137-11143, 2021 (SCI-Expanded)

XLVII. **Gadolinium-based contrast agents: in vitro paraoxonase 1 inhibition, in silico studies**
BEYDEMİR Ş., TÜRKEŞ C., Yalcin A.
DRUG AND CHEMICAL TOXICOLOGY, cilt.44, sa.5, ss.508-517, 2021 (SCI-Expanded)

XLVIII. **Benzenesulfonamide derivatives as potent acetylcholinesterase, alpha-glycosidase, and glutathione S-transferase inhibitors: biological evaluation and molecular docking studies**
Taslimi P., IŞIK M., TÜRKAN F., DURGUN M., TÜRKEŞ C., GÜLÇİN İ., BEYDEMİR Ş.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, cilt.39, sa.15, ss.5449-5460, 2021 (SCI-Expanded)

XLIX. **Design, synthesis, characterization, in vitro and in silico evaluation of novel imidazo[2,1-b] [1,3,4]thiadiazoles as highly potent acetylcholinesterase and non-classical carbonic anhydrase inhibitors**
Askin S., Tahtaci H., TÜRKEŞ C., Demir Y., Ece A., AKALIN ÇİFTÇİ G., BEYDEMİR Ş.
BIOORGANIC CHEMISTRY, cilt.113, 2021 (SCI-Expanded)

L. **Identification of a new class of potent aldose reductase inhibitors: Design, microwave-assisted synthesis, in vitro and in silico evaluation of 2-pyrazolines**
SEVER B., ALTINTOP M. D., Demir Y., Yilmaz N., AKALIN ÇİFTÇİ G., BEYDEMİR Ş., ÖZDEMİR A.
CHEMICO-BIOLOGICAL INTERACTIONS, cilt.345, 2021 (SCI-Expanded)

LI. **Transition-Metal Complexes of Bidentate Schiff-Base Ligands: In Vitro and In Silico Evaluation as Non-Classical Carbonic Anhydrase and Potential Acetylcholinesterase Inhibitors**
Yasar U., Gonul I., TÜRKEŞ C., Demir Y., BEYDEMİR Ş.
CHEMISTRYSELECT, cilt.6, sa.29, ss.7278-7284, 2021 (SCI-Expanded)

LII. **Synthesis, Characterization, and Inhibition Study of Novel Substituted Phenylureido Sulfaguanidine Derivatives as alpha-Glycosidase and Cholinesterase Inhibitors**
AKOCAK S., Taslimi P., Lolak N., IŞIK M., DURGUN M., Budak Y., TÜRKEŞ C., GÜLÇİN İ., BEYDEMİR Ş.
CHEMISTRY & BIODIVERSITY, cilt.18, sa.4, 2021 (SCI-Expanded)

LIII. **Calcium channel blockers: molecular docking and inhibition studies on carbonic anhydrase I and II isoenzymes**
TÜRKEŞ C., Demir Y., BEYDEMİR Ş.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, cilt.39, sa.5, ss.1672-1680, 2021 (SCI-Expanded)

LIV. **Novel benzoic acid derivatives: Synthesis and biological evaluation as multitarget acetylcholinesterase and carbonic anhydrase inhibitors**
Kalayci M., TÜRKEŞ C., ARSLAN M., Demir Y., BEYDEMİR Ş.
ARCHIV DER PHARMAZIE, cilt.354, sa.3, 2021 (SCI-Expanded)

LV. **A new series of 2,4-thiazolidinediones endowed with potent aldose reductase inhibitory activity**
SEVER B., ALTINTOP M. D., Demir Y., TÜRKEŞ C., Ozbas K., AKALIN ÇİFTÇİ G., BEYDEMİR Ş., ÖZDEMİR A.
OPEN CHEMISTRY, cilt.19, sa.1, ss.347-357, 2021 (SCI-Expanded)

LVI. **An extensive research on aldose reductase inhibitory effects of new 4H-1,2,4-triazole derivatives**
SEVER B., ALTINTOP M. D., Demir Y., Pekdogan M., AKALIN ÇİFTÇİ G., BEYDEMİR Ş., ÖZDEMİR A.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1224, 2021 (SCI-Expanded)

LVII. **Determination of the inhibition profiles of pyrazolyl-thiazole derivatives against aldose reductase and alpha-glycosidase and molecular docking studies**
Demir Y., Taslimi P., KOÇYİĞİT Ü. M., Akkus M., Ozaslan M. S., Duran H. E., Budak Y., TÜZÜN B., Gurdere M. B.,

CEYLAN M., et al.
ARCHIV DER PHARMAZIE, cilt.353, sa.12, 2020 (SCI-Expanded)

LVIII. **Mannich reaction derived novel boron complexes with amine-bis(phenolate) ligands: Synthesis, spectroscopy and in vitro/in silico biological studies**
KILIÇ A., Beyazsakal L., IŞIK M., TÜRKEŞ C., NECİP A., TAKIM K., BEYDEMİR Ş.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.927, 2020 (SCI-Expanded)

LIX. **Thiazolyl-pyrazoline derivatives: In vitro and in silico evaluation as potential acetylcholinesterase and carbonic anhydrase inhibitors**
SEVER B., TÜRKEŞ C., ALTINTOP M. D., Demir Y., BEYDEMİR Ş.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, cilt.163, ss.1970-1988, 2020 (SCI-Expanded)

LX. **Synthesis, characterization, biological evaluation, and in silico studies of novel 1,3-diaryltriazene-substituted sulfathiazole derivatives**
IŞIK M., AKOCAK S., Lolak N., Taslimi P., TÜRKEŞ C., GÜLÇİN İ., DURGUN M., BEYDEMİR Ş.
ARCHIV DER PHARMAZIE, cilt.353, sa.9, 2020 (SCI-Expanded)

LXI. **Design, synthesis, in vitro and in silico investigation of aldose reductase inhibitory effects of new thiazole-based compounds**
SEVER B., ALTINTOP M. D., Demir Y., AKALIN ÇİFTÇİ G., BEYDEMİR Ş., ÖZDEMİR A.
BIOORGANIC CHEMISTRY, cilt.102, 2020 (SCI-Expanded)

LXII. **Synthesis, characterization, inhibition effects, and molecular docking studies as acetylcholinesterase, ?-glycosidase, and carbonic anhydrase inhibitors of novel benzenesulfonamides incorporating 1,3,5-triazine structural motifs**
Lolak N., AKOCAK S., TÜRKEŞ C., Taslimi P., IŞIK M., BEYDEMİR Ş., GÜLÇİN İ., DURGUN M.
BIOORGANIC CHEMISTRY, cilt.100, 2020 (SCI-Expanded)

LXIII. **Synthesis, characterization and carbonic anhydrase I and II inhibitory evaluation of new sulfonamide derivatives bearing dithiocarbamate**
SAĞLIK B. N., OSMANİYE D., ACAR ÇEVİK U., LEVENT S., ÇAVUŞOĞLU B. K., Buyukemir O., Nezir D., KARADUMAN A. B., ÖZKAY Y., KOPARAL A. S., et al.
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, cilt.198, 2020 (SCI-Expanded)

LXIV. **Sulfonamides incorporating ketene N,S-acetal bioisosteres as potent carbonic anhydrase and acetylcholinesterase inhibitors**
Istrefi Q., TÜRKEŞ C., ARSLAN M., Demir Y., Nixha A. R., BEYDEMİR Ş., KÜFREVİOĞLU Ö. İ.
ARCHIV DER PHARMAZIE, cilt.353, sa.6, 2020 (SCI-Expanded)

LXV. **Molecular docking and investigation of 4-(benzylideneamino)- and 4-(benzylamino)-benzenesulfonamide derivatives as potent AChE inhibitors**
IŞIK M., Demir Y., DURGUN M., TÜRKEŞ C., NECİP A., BEYDEMİR Ş.
CHEMICAL PAPERS, cilt.74, sa.5, ss.1395-1405, 2020 (SCI-Expanded)

LXVI. **Inhibition effects of some pesticides and heavy metals on carbonic anhydrase enzyme activity purified from horse mackerel (Trachurus trachurus) gill tissues**
ÇAĞLAYAN C., Taslimi P., TÜRK C., GÜLÇİN İ., KANDEMİR F. M., Demir Y., BEYDEMİR Ş.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, cilt.27, sa.10, ss.10607-10616, 2020 (SCI-Expanded)

LXVII. **Carbonic anhydrase, obstructive sleep apnea and hypertension: Effects of intervention**
Hoff E., Zou D., Schiza S., Demir Y., Grote L., Bouloukaki I., BEYDEMİR Ş., Eskandari D., Stenlof K., Hedner J.
JOURNAL OF SLEEP RESEARCH, cilt.29, sa.2, 2020 (SCI-Expanded)

LXVIII. **Benzenesulfonamide derivatives containing imine and amine groups: Inhibition on human paraoxonase and molecular docking studies**
IŞIK M., BEYDEMİR Ş., Demir Y., DURGUN M., TÜRKEŞ C., Nasir A., NECİP A., Akkus M.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, cilt.146, ss.1111-1123, 2020 (SCI-Expanded)

LXIX. **The Influence of Some Nonsteroidal Anti-inflammatory Drugs on Metabolic Enzymes of Aldose Reductase, Sorbitol Dehydrogenase, and alpha-Glycosidase: a Perspective for Metabolic Disorders**
Demir Y., Duran H. E., DURMAZ L., Taslimi P., BEYDEMİR Ş., GÜLÇİN İ.
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY, cilt.190, sa.2, ss.437-447, 2020 (SCI-Expanded)

LXX. **Synthesis, characterisation, biological evaluation and in silico studies of sulphonamide Schiff bases**
DURGUN M., TÜRKEŞ C., IŞIK M., Demir Y., Sakli A., Kuru A., GÜZEL A., BEYDEMİR Ş., AKOCAK S., Osman S. M., et al.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, cilt.35, sa.1, ss.950-962, 2020 (SCI-Expanded)

LXXI. **Inhibition of Human Serum Paraoxonase-I with Antimycotic Drugs: In Vitro and In Silico Studies**
TÜRKEŞ C., BEYDEMİR Ş.
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY, cilt.190, sa.1, ss.252-269, 2020 (SCI-Expanded)

LXXII. **Molecular Docking Studies and Inhibition Properties of Some Antineoplastic Agents against Paraoxonase-I**
Demir Y., TÜRKEŞ C., BEYDEMİR Ş.
ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY, cilt.20, sa.7, ss.887-896, 2020 (SCI-Expanded)

LXXIII. **New Isoindole-1,3-dione Substituted Sulfonamides as Potent Inhibitors of Carbonic Anhydrase and Acetylcholinesterase: Design, Synthesis, and Biological Evaluation**
Gundogdu S., TÜRKEŞ C., ARSLAN M., Demir Y., BEYDEMİR Ş.
CHEMISTRYSELECT, cilt.4, sa.45, ss.13347-13355, 2019 (SCI-Expanded)

LXXIV. **Novel pyrazole-3,4-dicarboxamides bearing biologically active sulfonamide moiety as potential carbonic anhydrase inhibitors**
Mert S., Alim Z., Isgor M. M., ANIL B., Kasimogullari R., Beyde Ş.
ARABIAN JOURNAL OF CHEMISTRY, cilt.12, sa.8, ss.2740-2748, 2019 (SCI-Expanded)

LXXV. **The behavior of some chalcones on acetylcholinesterase and carbonic anhydrase activity**
Aslan H. E., Demir Y., ozaslan M. S., TÜRKAN F., BEYDEMİR Ş., KÜFREVİOĞLU Ö. İ.
DRUG AND CHEMICAL TOXICOLOGY, cilt.42, sa.6, ss.634-640, 2019 (SCI-Expanded)

LXXVI. **Synthesis, molecular docking analysis and carbonic anhydrase I-II inhibitory evaluation of new sulfonamide derivatives**
SAĞLIK B. N., ACAR ÇEVİK U., OSMANİYE D., LEVENT S., KAYA ÇAVUŞOĞLU B., Demir Y., ILGIN S., ÖZKAY Y., KOPARAL A. S., BEYDEMİR Ş., et al.
BIOORGANIC CHEMISTRY, cilt.91, 2019 (SCI-Expanded)

LXXVII. **In Vitro and In Silico Studies on the Toxic Effects of Antibacterial Drugs as Human Serum Paraoxonase 1 Inhibitor**
TÜRKEŞ C., BEYDEMİR Ş., KÜFREVİOĞLU Ö. İ.
CHEMISTRYSELECT, cilt.4, sa.33, ss.9731-9736, 2019 (SCI-Expanded)

LXXVIII. **Anti-diabetic Properties of Calcium Channel Blockers: Inhibition Effects on Aldose Reductase Enzyme Activity**
TÜRKEŞ C., Demir Y., BEYDEMİR Ş.
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY, cilt.189, sa.1, ss.318-329, 2019 (SCI-Expanded)

LXXIX. **Inhibition effects of quinones on aldose reductase: Antidiabetic properties**
Demir Y., Ozaslan M. S., Duran H. E., KÜFREVİOĞLU Ö. İ., BEYDEMİR Ş.
ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY, cilt.70, 2019 (SCI-Expanded)

LXXX. **Synthesis, biological evaluation and in silico studies of novel N-substituted phthalazine sulfonamide compounds as potent carbonic anhydrase and acetylcholinesterase inhibitors**
TÜRKEŞ C., ARSLAN M., Demir Y., Cocaj L., Nixha A. R., BEYDEMİR Ş.
BIOORGANIC CHEMISTRY, cilt.89, 2019 (SCI-Expanded)

LXXXI. **The effects of some cephalosporins on acetylcholinesterase and glutathione S-transferase: an in vivo and in vitro study**
TÜRKAN F., Huyut Z., Demir Y., ERTAŞ F., BEYDEMİR Ş.
ARCHIVES OF PHYSIOLOGY AND BIOCHEMISTRY, cilt.125, sa.3, ss.235-243, 2019 (SCI-Expanded)

LXXXII. **Inhibitory Effects of Usnic and Carnosic Acid on Some Metabolic Enzymes: An in vitro Study**
CEYLAN H., Demir Y., BEYDEMİR Ş.
PROTEIN AND PEPTIDE LETTERS, cilt.26, sa.5, ss.364-370, 2019 (SCI-Expanded)

LXXXIII. **Antidiabetic potential: In vitro inhibition effects of bromophenol and diarylmethanones derivatives on metabolic enzymes**
Demir Y., Taslimi P., Ozaslan M. S., Oztaskin N., ÇETİNKAYA Y., GÜLÇİN İ., BEYDEMİR Ş., GÖKSU S.

ARCHIV DER PHARMAZIE, cilt.351, sa.12, 2018 (SCI-Expanded)

LXXXIV. **Diarylmethanon, bromophenol and diarylmethane compounds: Discovery of potent aldose reductase, alpha-amylase and alpha-glycosidase inhibitors as new therapeutic approach in diabetes and functional hyperglycemia**
Taslimi P., Aslan H. E., Demir Y., Oztaskin N., MARAŞ A., GÜLÇİN İ., BEYDEMİR Ş., GÖKSU S.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, cilt.119, ss.857-863, 2018 (SCI-Expanded)

LXXXV. **Purification and Biochemical Characterization of Phytase Enzyme from Lactobacillus coryniformis (MH121153)**
Demir Y., DİKBAŞ N., Beydemir Ş.
MOLECULAR BIOTECHNOLOGY, cilt.60, sa.11, ss.783-790, 2018 (SCI-Expanded)

LXXXVI. **Inhibition effects of pesticides on glutathione-S-transferase enzyme activity of Van Lake fish liver**
Ozaslan M. S., Demir Y., AKSOY M., KÜFREVİOĞLU Ö. İ., BEYDEMİR Ş.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, cilt.32, sa.9, 2018 (SCI-Expanded)

LXXXVII. **Evaluation of chalcones as inhibitors of glutathione S-transferase**
Ozaslan M. S., Demir Y., Aslan H. E., BEYDEMİR Ş., KÜFREVİOĞLU Ö. İ.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, cilt.32, sa.5, 2018 (SCI-Expanded)

LXXXVIII. **The interactions of cephalosporins on polyol pathway enzymes from sheep kidney**
ŞENGÜL B., BEYDEMİR Ş.
ARCHIVES OF PHYSIOLOGY AND BIOCHEMISTRY, cilt.124, sa.1, ss.35-44, 2018 (SCI-Expanded)

LXXXIX. **Assessment of the inhibitory effects and molecular docking of some sulfonamides on human serum paraoxonase 1**
Alim Z., KILIÇ D., KÖKSAL Z., BEYDEMİR Ş., ÖZDEMİR H.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, cilt.31, sa.10, 2017 (SCI-Expanded)

XC. **Discovery of potent carbonic anhydrase, acetylcholinesterase, and butyrylcholinesterase enzymes inhibitors: The new amides and thiazolidine-4-ones synthesized on an acetophenone base**
Taslimi P., Osmanova S., GÜLÇİN İ., Sardarova S., Farzaliyev V., Sujayev A., Kaya R., Koc F., BEYDEMİR Ş., Alwasel S. H., et al.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, cilt.31, sa.9, 2017 (SCI-Expanded)

XCI. **Inhibition properties of some flavonoids on carbonic anhydrase I and II isoenzymes purified from human erythrocytes**
Huyut Z., BEYDEMİR Ş., GÜLÇİN İ.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, cilt.31, sa.9, 2017 (SCI-Expanded)

XCII. **Phenolic compounds inhibit the aldose reductase enzyme from the sheep kidney**
Demir Y., IŞIK M., GÜLÇİN İ., BEYDEMİR Ş.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, cilt.31, sa.9, 2017 (SCI-Expanded)

XCIII. **An approach to clarify the effect mechanism of glyphosate on body malformations during embryonic development of zebrafish (Daino rerio)**
Sulukan E., Kokturk M., CEYLAN H., BEYDEMİR Ş., IŞIK M., ATAMANALP M., CEYHUN S. B.
CHEMOSPHERE, cilt.180, ss.77-85, 2017 (SCI-Expanded)

XCIV. **Mechanism of capsaicin inhibition of aldose reductase activity**
Alim Z., KILINÇ N., ŞENGÜL B., Beydemir S.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, cilt.31, sa.7, 2017 (SCI-Expanded)

XCV. **Antiepileptic drugs: Impacts on human serum paraoxonase-1**
BEYDEMİR Ş., Demir Y.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, cilt.31, sa.6, 2017 (SCI-Expanded)

XCVI. **Oxidative stress and mRNA expression of acetylcholinesterase in the leukocytes of ischemic patients**
IŞIK M., BEYDEMİR Ş., Yilmaz A., Naldan M. E., Aslan H. E., GÜLÇİN İ.
BIOMEDICINE & PHARMACOTHERAPY, cilt.87, ss.561-567, 2017 (SCI-Expanded)

XCVII. **Phenolic compounds: The inhibition effect on polyol pathway enzymes**
Aslan H. E., Beydemir S.
CHEMICO-BIOLOGICAL INTERACTIONS, cilt.266, ss.47-55, 2017 (SCI-Expanded)

XCVIII. **Synthesis and biological evaluation of aminomethyl and alkoxymethyl derivatives as carbonic anhydrase, acetylcholinesterase and butyrylcholinesterase inhibitors**
GÜLÇİN İ., Abbasova M., Taslimi P., Huyut Z., Safarova L., Sujayev A., Farzaliyev V., BEYDEMİR Ş., Alwasel S. H., Supuran C. T.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, cilt.32, sa.1, ss.1174-1182, 2017 (SCI-Expanded)

XCIX. **Synthesis and bioactivity of several new hetaryl sulfonamides**
Taslimi P., Sujayev A., Mamedova S., Kalin P., GÜLÇİN İ., Sadeghian N., BEYDEMİR Ş., KÜFREVİOĞLU Ö. İ., Alwasel S. H., Farzaliyev V., et al.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, cilt.32, sa.1, ss.137-145, 2017 (SCI-Expanded)

C. **Inhibition behaviours of some phenolic acids on rat kidney aldose reductase enzyme: an in vitro study**
Alim Z., KILINÇ N., ŞENGÜL B., Beydemir S.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, cilt.32, sa.1, ss.277-284, 2017 (SCI-Expanded)

CI. **PURIFICATION OF GLUCOSE 6-PHOSPHATE DEHYDROGENASE FROM GILTHEAD SEA BREAM (SPARUS AURATA) GILL AND LIVER TISSUES AND INHIBITION EFFECTS OF SOME METAL IONS ON ENZYME ACTIVITY**
KIRICI M., KIRICI M., BEYDEMİR Ş., BÜLBÜL M.
FRESENIUS ENVIRONMENTAL BULLETIN, cilt.26, sa.12, ss.7074-7082, 2017 (SCI-Expanded)

CII. **Phytase from Weissella halotolerans: purification, partial characterisation and the effect of some metals**
Demir Y., ŞENOL KOTAN M., DİKBAŞ N., BEYDEMİR Ş.
INTERNATIONAL JOURNAL OF FOOD PROPERTIES, cilt.20, ss.2127-2137, 2017 (SCI-Expanded)

CIII. **Synthesis of 4,5-disubstituted-2-thioxo-1,2,3,4-tetrahydropyrimidines and investigation of their acetylcholinesterase, butyrylcholinesterase, carbonic anhydrase I/II inhibitory and antioxidant activities**
Garibov E., Taslimi P., Sujayev A., Bingol Z., Cetinkaya S., GÜLÇİN İ., BEYDEMİR Ş., Farzaliyev V., DEMİRKAYA MİLOĞLU F., Supuran C. T.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, cilt.31, ss.1-9, 2016 (SCI-Expanded)

CIV. **Inhibitory effects of some phenolic compounds on the activities of carbonic anhydrase: from in vivo to ex vivo**
Huyut Z., BEYDEMİR Ş., GÜLÇİN İ.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, cilt.31, sa.6, ss.1234-1240, 2016 (SCI-Expanded)

CV. **Potent Inhibitory Effects of Some Phenolic Acids on Lactoperoxidase**
Koksal Z., Alim Z., BEYDEMİR Ş., ÖZDEMİR H.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, cilt.30, sa.11, ss.533-538, 2016 (SCI-Expanded)

CVI. **The synthesis of novel pyrazole-3,4-dicarboxamidesbearing 5-amino-1,3,4-thiadiazole-2-sulfonamide moiety with effective inhibitory activity against the isoforms of human cytosolic carbonic anhydrase I and II**
Mert S., Alim Z., Isgor M. M., BEYDEMİR Ş., Kasimogullari R.
BIOORGANIC CHEMISTRY, cilt.68, ss.64-71, 2016 (SCI-Expanded)

CVII. **Some Anticancer Agents Act on Human Serum Paraoxonase-1 to Reduce Its Activity**
Alim Z., BEYDEMİR Ş.
CHEMICAL BIOLOGY & DRUG DESIGN, cilt.88, sa.2, ss.188-196, 2016 (SCI-Expanded)

CVIII. **In vitro inhibitory effects of palonosetron hydrochloride, bevacizumab and cyclophosphamide on purified paraoxonase-I (hPON1) from human serum**
TÜRKEŞ C., SÖYÜT H., BEYDEMİR Ş.
ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY, cilt.42, ss.252-257, 2016 (SCI-Expanded)

CIX. **Purification of Carbonic Anhydrase from Capoeta umbla (Heckel, 1843) Gills and Toxicological Effects of Some Metals on Enzyme Activity**
Kirici M., Kirici M., BEYDEMİR Ş., ATAMANALP M.
TURKISH JOURNAL OF FISHERIES AND AQUATIC SCIENCES, cilt.16, sa.1, ss.169-175, 2016 (SCI-Expanded)

CX. **High enzymatic activity preservation of malate dehydrogenase immobilized in a Langmuir-Blodgett film and its electrochemical biosensor application for malic acid detection**
Gur B., IŞIK M., DAĞCI KIRANŞAN K., Alanyalioglu M., BEYDEMİR Ş., Meral K.
RSC ADVANCES, cilt.6, sa.83, ss.79792-79797, 2016 (SCI-Expanded)

CXI. **THE EFFECT OF AL³⁺ AND HG²⁺ ON GLUCOSE 6-PHOSPHATE DEHYDROGENASE FROM CAPOETA UMBLA KIDNEY**
Kirici M., DEMİR Y., Beydemir Ş., ATAMANALP M.
APPLIED ECOLOGY AND ENVIRONMENTAL RESEARCH, cilt.14, sa.2, ss.253-264, 2016 (SCI-Expanded)

CXII. **Some Anti-Inflammatory Agents Inhibit Esterase Activities of Human Carbonic Anhydrase Isoforms I and II: An In Vitro Study**
Alim Z., Kilinc N., Isgor M. M., Sengul B., BEYDEMİR Ş.
CHEMICAL BIOLOGY & DRUG DESIGN, cilt.86, sa.4, ss.857-863, 2015 (SCI-Expanded)

CXIII. **Human serum paraoxonase-1 (hPON1): in vitro inhibition effects of moxifloxacin hydrochloride, levofloxacin hemihidrate, cefepime hydrochloride, cefotaxime sodium and ceftizoxime sodium**
TÜRKEŞ C., SÖYÜT H., BEYDEMİR Ş.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, cilt.30, sa.4, ss.622-628, 2015 (SCI-Expanded)

CXIV. **Changes in the anti-oxidant system in adult epilepsy patients receiving anti-epileptic drugs**
IŞIK M., Demir Y., Kirici M., Demir R., ŞİMŞEK F., BEYDEMİR Ş.
ARCHIVES OF PHYSIOLOGY AND BIOCHEMISTRY, cilt.121, sa.3, ss.97-102, 2015 (SCI-Expanded)

CXV. **The toxicological impacts of some heavy metals on carbonic anhydrase from gilthead sea bream (Sparus aurata) gills**
Kaya E. D., SÖYÜT H., BEYDEMİR Ş.
ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY, cilt.39, sa.2, ss.825-832, 2015 (SCI-Expanded)

CXVI. **Purification, refolding, and characterization of recombinant human paraoxonase-1**
Demir Y., BEYDEMİR Ş.
TURKISH JOURNAL OF CHEMISTRY, cilt.39, sa.4, ss.764-776, 2015 (SCI-Expanded)

CXVII. **Influence of pesticide exposure on carbonic anhydrase II from sheep stomach**
Kilinc N., Isgor M. M., Sengul B., BEYDEMİR Ş.
TOXICOLOGY AND INDUSTRIAL HEALTH, cilt.31, sa.9, ss.823-830, 2015 (SCI-Expanded)

CXVIII. **Effects of glyphosate on juvenile rainbow trout (Oncorhynchus mykiss): Transcriptional and enzymatic analyses of antioxidant defence system, histopathological liver damage and swimming performance**
TOPAL A., ATAMANALP M., UÇAR A., Oruc E., KOCAMAN E. M., Sulukan E., AKDEMİR F., BEYDEMİR Ş., Kilinc N., ERDOĞAN O., et al.
ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY, cilt.111, ss.206-214, 2015 (SCI-Expanded)

CXIX. **Effect of calcium channel blockers on paraoxonase-1 (PON1) activity and oxidative stress**
TÜRKEŞ C., SÖYÜT H., BEYDEMİR Ş.
PHARMACOLOGICAL REPORTS, cilt.66, sa.1, ss.74-80, 2014 (SCI-Expanded)

CXX. **In vitro effects of pesticide exposure on the activity of the paraoxonase-1 enzyme from sheep liver microsomes**
Cebeci B., Alim Z., BEYDEMİR Ş.
TURKISH JOURNAL OF CHEMISTRY, cilt.38, sa.3, ss.512-520, 2014 (SCI-Expanded)

CXXI. **Synthesis and paroxonase activities of novel bromophenols**
Akbaba Y., TÜRKEŞ C., Polat L., SÖYÜT H., ŞAHİN E., Menzek A., GÖKSU S., BEYDEMİR Ş.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, cilt.28, sa.5, ss.1073-1079, 2013 (SCI-Expanded)

CXXII. **Impacts of some antibiotics on human serum paraoxonase 1 activity**
DİLEK E., KÜFREVİOĞLU Ö. İ., BEYDEMİR Ş.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, cilt.28, sa.4, ss.758-764, 2013 (SCI-Expanded)

CXXIII. **Inhibitory effect of novel pyrazole carboxamide derivatives on human carbonic anhydrase enzyme**
Sen E., Alim Z., Duran H., Isgor M. M., BEYDEMİR Ş., Kasimogullari R., Ok S.

JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, cilt.28, sa.2, ss.328-336, 2013 (SCI-Expanded)

CXXIV. **Phenolic compounds as antioxidants: Carbonic anhydrase isoenzymes inhibitors**
GÜLÇİN İ., BEYDEMİR Ş.
Mini-Reviews in Medicinal Chemistry, cilt.13, sa.3, ss.408-430, 2013 (SCI-Expanded)

CXXV. **Facile synthesis and characterization of novel pyrazole-sulfonamides and their inhibition effects on human carbonic anhydrase isoenzymes**
Balseven H., Isgor M. M., Mert S., Alim Z., BEYDEMİR Ş., Ok S., Kasimogullari R.
BIOORGANIC & MEDICINAL CHEMISTRY, cilt.21, sa.1, ss.21-27, 2013 (SCI-Expanded)

CXXVI. **Changes in carbonic anhydrase activity and gene expression of Hsp70 in rainbow trout (Oncorhynchus mykiss) muscle aft er exposure to some metals**
SÖYÜT H., BEYDEMİR Ş., CEYHUN S. B., ERDOĞAN O., Kaya E. D.
TURKISH JOURNAL OF VETERINARY & ANIMAL SCIENCES, cilt.36, sa.5, ss.499-508, 2012 (SCI-Expanded)

CXXVII. **Effects of some anti-neoplastic drugs on sheep liver sorbitol dehydrogenase**
Alim Z., BEYDEMİR Ş.
ARCHIVES OF PHYSIOLOGY AND BIOCHEMISTRY, cilt.118, sa.5, ss.244-252, 2012 (SCI-Expanded)

CXXVIII. **In vitro and in vivo effects of some benzodiazepine drugs on human and rabbit erythrocyte carbonic anhydrase enzymes**
Senturk M., Alici H. A., BEYDEMİR Ş., KÜFREVİOĞLU Ö. İ.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, cilt.27, sa.5, ss.680-684, 2012 (SCI-Expanded)

CXXIX. **Apoptotic, antioxidant and antiradical effects of majdine and isomajdine from Vinca herbacea Waldst. and kit**
GÜLÇİN İ., BEYDEMİR Ş., Topal F., Gagua N., Bakuridze A., Bayram R., GEPDİREMEN A. A.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, cilt.27, sa.4, ss.587-594, 2012 (SCI-Expanded)

CXXX. **The impact of heavy metals on the activity of carbonic anhydrase from rainbow trout (Oncorhynchus mykiss) kidney**
SÖYÜT H., BEYDEMİR Ş.
TOXICOLOGY AND INDUSTRIAL HEALTH, cilt.28, sa.4, ss.296-305, 2012 (SCI-Expanded)

CXXXI. **Synthesis and carbonic anhydrase inhibitory properties of novel bromophenols including natural products**
BALAYDIN H. T., SÖYÜT H., Ekinci D., GÖKSU S., BEYDEMİR Ş., Menzek A., ŞAHİN E.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, cilt.27, sa.1, ss.43-50, 2012 (SCI-Expanded)

CXXXII. **Alterations in growth related genes (GH-I, IGF-I and IGF-II) expression with acute copper exposure in rainbow trout**
AKSAKAL E., CEYHUN S. B., BEYDEMİR Ş., ERDOĞAN O.
Journal of Animal and Veterinary Advances, cilt.10, sa.25, ss.3334-3339, 2011 (SCI-Expanded)

CXXXIII. **Influence of Cobalt and Zinc Exposure on mRNA Expression Profiles of Metallothionein and Cytocrome P450 in Rainbow Trout**
CEYHUN S. B., AKSAKAL E., Ekinci D., ERDOĞAN O., BEYDEMİR Ş.
BIOLOGICAL TRACE ELEMENT RESEARCH, cilt.144, sa.1-3, ss.781-789, 2011 (SCI-Expanded)

CXXXIV. **Paraoxonase-1, an organophosphate detoxifier and cardioprotective enzyme, is inhibited by anesthetics: An in vitro and in vivo insight**
Senturk M., Ekinci D., Alici H. A., BEYDEMİR Ş.
PESTICIDE BIOCHEMISTRY AND PHYSIOLOGY, cilt.101, sa.3, ss.206-211, 2011 (SCI-Expanded)

CXXXV. **Protective role of L-carnitine supplementation against exhaustive exercise induced oxidative stress in rats**
Siktar E., Ekinci D., ŞIKTAR E., BEYDEMİR Ş., GÜLÇİN İ., GÜNAY M.
EUROPEAN JOURNAL OF PHARMACOLOGY, cilt.668, sa.3, ss.407-413, 2011 (SCI-Expanded)

CXXXVI. **Increasing stocking density causes inhibition of metabolic-antioxidant enzymes and elevates mRNA levels of heat shock protein 70 in rainbow trout**
AKSAKAL E., Ekinci D., ERDOĞAN O., BEYDEMİR Ş., Alim Z., CEYHUN S. B.
LIVESTOCK SCIENCE, cilt.141, sa.1, ss.69-75, 2011 (SCI-Expanded)

CXXXVII. **Carbonic Anhydrase Activities from the Rainbow Trout Lens Correspond to the Development of Acute Gas Bubble Disease**
GÜLTEPE N., Ates O., Hisar O., BEYDEMİR Ş.
JOURNAL OF AQUATIC ANIMAL HEALTH, cilt.23, sa.3, ss.134-139, 2011 (SCI-Expanded)

CXXXVIII. **The effects of stocking density on CYP 450 1A gene expression and carbonic anhydrase enzyme activity in rainbow trout (Oncorhynchus mykiss)**
BEYDEMİR Ş., AKSAKAL E., Alim Z., ERDOĞAN O., CEYHUN S. B.
Fresenius Environmental Bulletin, cilt.20, sa.6, ss.1452-1457, 2011 (SCI-Expanded)

CXXXIX. **In Vitro Inhibition of Human Carbonic Anhydrase I and II Isozymes with Natural Phenolic Compounds**
Senturk M., GÜLÇİN İ., BEYDEMİR Ş., KÜFREVİOĞLU Ö. İ., Supuran C. T.
CHEMICAL BIOLOGY & DRUG DESIGN, cilt.77, sa.6, ss.494-499, 2011 (SCI-Expanded)

CXL. **An Alternative Purification Method for Human Serum Paraoxonase 1 and its Interactions with Sulfonamides**
Ekinci D., Senturk M., BEYDEMİR Ş., KÜFREVİOĞLU Ö. İ., Supuran C. T.
CHEMICAL BIOLOGY & DRUG DESIGN, cilt.76, sa.6, ss.552-558, 2010 (SCI-Expanded)

CXLI. **Some cardiovascular therapeutics inhibit paraoxonase 1 (PON1) from human serum**
Isgor M. M., BEYDEMİR Ş.
EUROPEAN JOURNAL OF PHARMACOLOGY, cilt.645, sa.1-3, ss.135-142, 2010 (SCI-Expanded)

CXLII. **Purification of PON1 from Human Serum and Assessment of Enzyme Kinetics Against Metal Toxicity**
Ekinci D., Beydemir Ş.
BIOLOGICAL TRACE ELEMENT RESEARCH, cilt.135, sa.1-3, ss.112-120, 2010 (SCI-Expanded)

CXLIII. **Risk assessment of pesticides and fungicides for acid-base regulation and salt transport in rainbow trout tissues**
Ekinci D., Beydemir Ş.
PESTICIDE BIOCHEMISTRY AND PHYSIOLOGY, cilt.97, sa.1, ss.66-70, 2010 (SCI-Expanded)

CXLIV. **Evaluation of the impacts of antibiotic drugs on PON 1; a major bioscavenger against cardiovascular diseases**
Ekinci D., Beydemir Ş.
EUROPEAN JOURNAL OF PHARMACOLOGY, cilt.617, sa.1-3, ss.84-89, 2009 (SCI-Expanded)

CXLV. **Sildenafil is a strong activator of mammalian carbonic anhydrase isoforms I-XIV**
ÇOBAN T. A., Beydemir Ş., Gucin I., Ekinci D., Innocenti A., Vullo D., Supuran C. T.
BIOORGANIC & MEDICINAL CHEMISTRY, cilt.17, sa.16, ss.5791-5795, 2009 (SCI-Expanded)

CXLVI. **Kinetic Behaviour of Glucose 6-Phosphate Dehydrogenase and 6-Phosphogluconate Dehydrogenase in Different Tissues of Rainbow Trout (Oncorhynchus mykiss) Exposed to Non-Lethal Concentrations of Cadmium**
Hisar O., Soenmez A. Y., Beydemir Ş., Hisar S. A., YANIK T., Cronin T.
ACTA VETERINARIA BRNO, cilt.78, sa.1, ss.179-185, 2009 (SCI-Expanded)

CXLVII. **Melatonin administration increases antioxidant enzymes activities and reduces lipid peroxidation in the rainbow trout (Oncorhynchus mykiss, Walbaum) erythrocytes**
GÜLÇİN İ., Beydemir Ş., Hisar O., Koksal E., Reiter R. J.
TURKISH JOURNAL OF VETERINARY & ANIMAL SCIENCES, cilt.33, sa.3, ss.241-245, 2009 (SCI-Expanded)

CXLVIII. **Effect of some analgesics on Paraoxonase-1 purified from human serum**
Ekinci D., Beydemir Ş.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, cilt.24, sa.4, ss.1034-1039, 2009 (SCI-Expanded)

CXLIX. **Decreased Serum Paraoxonase 1 Activity and Increased Serum Homocysteine and Malondialdehyde Levels in Age-Related Macular Degeneration**
Ates O., Azizi S., Alp H. H., KIZILTUNÇ A., BEYDEMİR Ş., Cinici E., Kocer I., Baykal O.
TOHOKU JOURNAL OF EXPERIMENTAL MEDICINE, cilt.217, sa.1, ss.17-22, 2009 (SCI-Expanded)

CL. **Purification, characterization and kinetic properties of glucose 6-phosphate dehydrogenase from Polygonum cognatum Meissn leaves**

Demir H., BEYDEMİR Ş., Çiftçi M.
Asian Journal of Chemistry, cilt.21, sa.1, ss.517-527, 2009 (SCI-Expanded)

CLI. **The inhibitory effect of dantrolene sodium and propofol on 6-phosphogluconate dehydrogenase from rat erythrocyte**
GÜLÇİN İ., BEYDEMİR Ş., Abdulkadir Çoban T., Ekhici D.
Fresenius Environmental Bulletin, cilt.17, sa.9 A, ss.1283-1287, 2008 (SCI-Expanded)

CLII. **Intravenous anesthetics inhibit human paraoxonase-1 (PON1) activity in vitro and in vivo**
Alici H. A., Ekinci D., Beydemir Ş.
CLINICAL BIOCHEMISTRY, cilt.41, sa.16-17, ss.1384-1390, 2008 (SCI-Expanded)

CLIII. **Purification and some kinetic properties of carbonic anhydrase from rainbow trout (Oncorhynchus mykiss) liver and metal inhibition**
SÖYÜT H., Beydemir Ş.
PROTEIN AND PEPTIDE LETTERS, cilt.15, sa.5, ss.528-535, 2008 (SCI-Expanded)

CLIV. **Effects of some metals on carbonic anhydrase from brains of rainbow trout**
SÖYÜT H., BEYDEMİR Ş., Hisar O.
BIOLOGICAL TRACE ELEMENT RESEARCH, cilt.123, sa.1-3, ss.179-190, 2008 (SCI-Expanded)

CLV. **The effect of ethanol on erythrocyte carbonic anhydrase isoenzymes activity:: An in vitro and in vivo study**
ÇOBAN T. A., Beydemir Ş., GÜLÇİN İ., Ekinci D.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, cilt.23, sa.2, ss.266-270, 2008 (SCI-Expanded)

CLVI. **Cisplatin and 5-fluorouracil inhibits 6-phosphogluconate dehydrogenase activity in human erythrocytes in vitro and in vivo**
GÜR F., BEYDEMİR Ş., Ciftci M., Gumustekin K., Bakan N.
Asian Journal of Chemistry, cilt.20, sa.4, ss.3189-3196, 2008 (SCI-Expanded)

CLVII. **Antioxidant and radical scavenging activities of uric acid**
GÜLÇİN İ., Oktay M., KÖKSAL E., Serbetci H., BEYDEMİR Ş., KÜFREVİOĞLU Ö. İ.
Asian Journal of Chemistry, cilt.20, sa.3, ss.2079-2090, 2008 (SCI-Expanded)

CLVIII. **Effects of some drugs on enzymatic activity of glucose 6-phosphate dehydrogenase from chicken erythrocytes in vitro**
Ciftci M., BEYDEMİR Ş., Ekinci D.
Asian Journal of Chemistry, cilt.20, sa.3, ss.2189-2196, 2008 (SCI-Expanded)

CLIX. **In vitro inhibitory effects of some heavy metals on human erythrocyte carbonic anhydrases**
Ekinci D., Beydemir Ş., Kufrevioglu O. I.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, cilt.22, sa.6, ss.745-750, 2007 (SCI-Expanded)

CLX. **Morphine inhibits erythrocyte carbonic anhydrase in vitro and in vivo**
ÇOBAN T. A., Beydemir Ş., GÜLÇİN İ., Ekinci D.
BIOLOGICAL & PHARMACEUTICAL BULLETIN, cilt.30, sa.12, ss.2257-2261, 2007 (SCI-Expanded)

CLXI. **In vitro effects of some drugs on the buffalo (Bubalus bubalis) erythrocyte glucose 6-phosphate dehydrogenase activity**
BEYDEMİR Ş., ÇİFTÇİ M.
Revue de Medecine Veterinaire, cilt.158, sa.8-9, ss.431-436, 2007 (SCI-Expanded)

CLXII. **An analysis of expression patterns of genes encoding proteins with catalytic activities**
Cankaya M., Hernandez A. M., Ciftci M., BEYDEMİR Ş., Ozdemir H., BUDAK H., GÜLÇİN İ., Comakli V., Emircupani T., Ekinci D., et al.
BMC GENOMICS, cilt.8, 2007 (SCI-Expanded)

CLXIII. **Kinetic properties of carbonic anhydrase purified from gills of rainbow trout (Oncorhynchus mykiss)**
Hisar O., BEYDEMİR Ş., Bulbul M., YANIK T.
JOURNAL OF APPLIED ANIMAL RESEARCH, cilt.30, sa.2, ss.185-188, 2006 (SCI-Expanded)

CLXIV. **A study on the in vitro antioxidant activity of juniper (Juniperus communis L.) fruit**

extracts
Elmastas M., GÜLÇİN İ., BEYDEMİR Ş., KÜFREVİOĞLU Ö. İ., Aboul-Enein H.
ANALYTICAL LETTERS, cilt.39, sa.1, ss.47-65, 2006 (SCI-Expanded)

CLXV. **The effects of melatonin hormone on carbonic anhydrase enzyme activity in rainbow trout (Oncorhynchus mykiss) erythrocytes in vitro and in vivo**
Hisar O., BEYDEMİR Ş., GÜLÇİN İ., Aras Hisar Ş., YANIK T., KÜFREVİOĞLU Ö. İ.
Turkish Journal of Veterinary and Animal Sciences, cilt.29, sa.3, ss.841-845, 2005 (SCI-Expanded)

CLXVI. **Evaluation of antioxidant activity of cornelian cherry (Cornus mas L.)**
GÜLÇİN İ., BEYDEMİR Ş., Sat I., Küfrevioglu Ö.
ACTA ALIMENTARIA, cilt.34, sa.2, ss.193-202, 2005 (SCI-Expanded)

CLXVII. **Effects of low molecular weight plasma inhibitors of rainbow trout (Oncorhynchus mykiss) on human erythrocyte carbonic anhydrase-II isozyme activity in vitro and rat erythrocytes in vivo**
Hisar O., Beydemir Ş., GÜLÇİN İ., Küfrevioglu Ö., Supuran C.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, cilt.20, sa.1, ss.35-39, 2005 (SCI-Expanded)

CLXVIII. **Effect of melatonin on glueose-6-phosphate dehydrogenase from rainbow trout (Oncorhynchus my kiss) erythrocytes in vitro and in vivo**
BEYDEMİR Ş., Güilçn I., Hisar O., KÜFREVİOĞLU Ö. İ., Yamk T.
Journal of Applied Animal Research, cilt.28, sa.1, ss.65-68, 2005 (SCI-Expanded)

CLXIX. **Effect of α-tocopherol oil antioxidant enzyme activities and lipid peroxidation in rainbow trout (Oncorhynchus mykiss)**
GÜLÇİN İ., BEYDEMİR Ş., Hisar O.
ACTA VETERINARIA HUNGARICA, sa.4, ss.425-433, 2005 (SCI-Expanded)

CLXX. **Effect of vitamin E on carbonic anhydrase enzyme activity in rainbow trout (Oncorhynchus mykiss) erythrocytes in vitro and in vivo**
Aras-Hisar S., Hisar O., BEYDEMİR Ş., GÜLÇİN İ., YANIK T.
ACTA VETERINARIA HUNGARICA, cilt.52, sa.4, ss.413-422, 2004 (SCI-Expanded)

CLXXI. **6-Phosphogluconate dehydrogenase: Purification, characterization and kinetic properties from rat erythrocytes**
BEYDEMİR Ş., Çiftçi M., Yilmaz H., KÜFREVİOĞLU Ö. İ.
Turkish Journal of Veterinary and Animal Sciences, cilt.28, sa.4, ss.707-714, 2004 (SCI-Expanded)

CLXXII. **Comparison of antioxidant activity of clove (Eugenia caryophylata Thunb) buds and lavender (Lavandula stoechas L.)**
GÜLÇİN İ., Sat I., Beydemir Ş., Elmastas M., Küfrevioglu O.
FOOD CHEMISTRY, cilt.87, sa.3, ss.393-400, 2004 (SCI-Expanded)

CLXXIII. **In vitro and in vivo effects of dantrolene on carbonic anhydrase enzyme activities**
GÜLÇİN İ., Beydemir Ş., Büyükokuroglu M.
BIOLOGICAL & PHARMACEUTICAL BULLETIN, cilt.27, sa.5, ss.613-616, 2004 (SCI-Expanded)

CLXXIV. **Effects of melatonin on carbonic anhydrase from human erythrocytes in vitro and from rat erythrocytes in vivo**
Beydemir Ş., GÜLÇİN İ.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, cilt.19, sa.2, ss.193-197, 2004 (SCI-Expanded)

CLXXV. **Purification and properties of glucose 6-phosphate dehydrogenase from coriander (Coriandrum sativum) leaves**
Demir H., Beydemir O., Çiftçi M., KÜFREVİOĞLU Ö. İ.
JOURNAL OF FOOD BIOCHEMISTRY, cilt.28, sa.2, ss.155-168, 2004 (SCI-Expanded)

CLXXVI. **Evaluation of the in vitro antioxidant properties of broccoli extracts (Brassica oleracea L.)**
GÜLÇİN İ., ŞAT İ. G., BEYDEMİR Ş., KÜFREVİOĞLU Ö. İ.
Italian Journal of Food Science, cilt.16, sa.1, ss.17-30, 2004 (SCI-Expanded)

CLXXVII. **In vitro antioxidant properties of morphine**
GÜLÇİN İ., Beydemir U., Alici H., Elmastas M., Büyükokuroglu M.

PHARMACOLOGICAL RESEARCH, cilt.49, sa.1, ss.59-66, 2004 (SCI-Expanded)

CLXXVIII. **Glucose 6-phosphate dehydrogenase: In vitro and in vivo effects of dantrolene sodium**
BEYDEMİR Ş., GÜLÇİN İ., KÜFREVİOĞLU Ö. İ., Çiftçi M.
Polish Journal of Pharmacology, cilt.55, sa.5, ss.787-792, 2003 (SCI-Expanded)

CLXXIX. **The in Vitro Effects of Dexamethasone on Sheep Lens Glucose-6-Phosphate Dehydrogenase**
BEYDEMİR Ş., Kulaçoğlu D. N., Çiftçi M., KÜFREVİOĞLU Ö. İ.
Turkish Journal of Chemistry, cilt.27, sa.5, ss.601-608, 2003 (SCI-Expanded)

CLXXX. **Purification of Glucose 6-Phosphate Dehydrogenase From Goose Erythrocytes and Kinetic Properties**
BEYDEMİR Ş., Yilmaz H., Çiftçi M., Bakan E., KÜFREVİOĞLU Ö. İ.
Turkish Journal of Veterinary and Animal Sciences, cilt.27, sa.5, ss.1179-1185, 2003 (SCI-Expanded)

CLXXXI. **The in vitro and in vivo inhibitory effects of some sulfonamide derivatives on rainbow trout (Oncorhynchus mykiss) erythrocyte carbonic anhydrase activity**
Bülbül M., Hisar O., Beydemir Ş., Çiftçi M., KÜFREVİOĞLU Ö. İ.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, cilt.18, sa.4, ss.371-375, 2003 (SCI-Expanded)

CLXXXII. **Purification of glucose 6-phosphate dehydrogenase from Buffalo (Bubalus bubalis) erythrocytes and investigation of some kinetic properties**
Çiftçi M., Beydemir Ş., Yilmaz H., Altikat S.
PROTEIN EXPRESSION AND PURIFICATION, cilt.29, sa.2, ss.304-310, 2003 (SCI-Expanded)

CLXXXIII. **Purification and properties of glucose 6-phosphate dehydrogenase from turkey erythrocytes**
Yilmaz H., Çiftçi M., BEYDEMİR Ş., Bakan E., KÜFREVİOĞLU Ö. İ.
Indian Journal of Biochemistry and Biophysics, cilt.40, sa.1, ss.62-65, 2003 (SCI-Expanded)

CLXXXIV. **The effects of some antibiotics on sheep lens glucose 6-phosphate dehydrogenase in vitro**
BEYDEMİR Ş., Kulaçoğlu D., ÇİFTÇİ M., KÜFREVİOĞLU Ö. İ.
European Journal of Ophthalmology, cilt.13, sa.2, ss.155-161, 2003 (SCI-Expanded)

CLXXXV. **Purification of glucose 6-phosphate dehydrogenase from chicken erythrocytes. Investigation of some kinetic properties**
Ylmaz H., Ciftci M., BEYDEMİR Ş., Bakan E.
Preparative Biochemistry and Biotechnology, cilt.32, sa.3, ss.287-301, 2002 (SCI-Expanded)

CLXXXVI. **Effects of some drugs on rat erythrocyte 6-phosphogluconate dehydrogenase: An in vitro and in vivo study**
Çiftçi M., BEYDEMİR Ş., Yilmaz H., Bakan E.
Polish Journal of Pharmacology, cilt.54, sa.3, ss.275-280, 2002 (SCI-Expanded)

CLXXXVII. **Effects of gentamicin sulfate on enzyme activities of carbonic anhydrase from human erythrocytes in vitro and from rat erythrocytes in vivo**
Beydemir Ş., Çiftçi M., Küfrevioglu Ö., Büyükokuroglu M.
BIOLOGICAL & PHARMACEUTICAL BULLETIN, cilt.25, sa.8, ss.966-969, 2002 (SCI-Expanded)

CLXXXVIII. **Purification and characterization of glucose 6-phosphate dehydrogenase from sheep erythrocytes and inhibitory effects of some antibiotics on enzyme activity**
BEYDEMİR Ş., Çiftçi M., KÜFREVİOĞLU Ö. İ.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, cilt.17, sa.4, ss.271-277, 2002 (SCI-Expanded)

CLXXXIX. **Effects of some medical drugs on enzyme activities of carbonic anhydrase from human erythrocytes in vitro and from rat erythrocytes in vivo**
Beydemir Ş., Çiftçi M., ÖZMEN İ., Buyukokuroglu M., Özdemir H., Küfrevioglu Ö.
PHARMACOLOGICAL RESEARCH, cilt.42, sa.2, ss.187-191, 2000 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

I. **Evaluation of Inhibition Effects of Some Cardiovascular Therapeutics on Human Erythrocyte Carbonic Anhydrase Isoenzymes**

KILINÇ N., ALIM Z., ŞENGÜL B., İŞGÖR M. M., BEYDEMİR Ş.
Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, cilt.7, sa.1, ss.90-97, 2018 (Hakemli Dergi)

II. **Purification and characterization of nitric oxide synthase from bovine kidney and investigating drug-induced toxicities of some antibiotics on the enzyme activity**
Işgör M. M., Ekinci D., BEYDEMİR Ş.
Current Enzyme Inhibition, cilt.13, sa.3, ss.210-215, 2017 (Scopus)

III. **Alcohol Dehydrogenase from Sheep Liver: Purification, Characterization and Impacts of Some Antibiotics**
Demir Y., ŞENGÜL B., ERĞUN B., BEYDEMİR Ş.
Iğdır Üniversitesi Fen Bilimleri Enstitüsü Dergisi, cilt.7, sa.3, ss.151-159, 2017 (Hakemli Dergi)

IV. **Antioxidant and Antiradical Properties of Selected Flavonoids and Phenolic Compounds**
Huyut Z., BEYDEMİR Ş., GÜLÇİN İ.
BIOCHEMISTRY RESEARCH INTERNATIONAL, cilt.2017, 2017 (ESCI)

V. **In vitro toxicity effects of some insecticides on gilthead sea bream (Sparus aurata) liver glucose 6-phosphate dehydrogenase**
Kirici M., Kirici M., BEYDEMİR Ş., Bülbül M.
Journal of Applied Biological Sciences, cilt.10, sa.2, ss.46-50, 2016 (Scopus)

VI. **Impact of antibacterial drugs on human serum paraoxonase-1 (hPON1) activity: An in vitro study**
SÖYÜT H., Kaya E. D., BEYDEMİR Ş.
Asian Pacific Journal of Tropical Biomedicine, cilt.4, sa.8, ss.603-609, 2014 (Scopus)

VII. **Some drugs inhibit in vitro hydratase and esterase activities of human carbonic anhydrase-I and II**
Ekinci D., BEYDEMİR Ş., Alim Z.
Pharmacological Reports, cilt.59, sa.5, ss.580-587, 2007 (Scopus)

VIII. **The effects of melatonin on 6-phosphogluconate dehydrogenase: An in vitro and in vivo study**
GÜLÇİN İ., BEYDEMİR Ş.
Turkish Journal of Medical Sciences, cilt.34, sa.5, ss.295-299, 2004 (Scopus)

IX. **Can the natural carbonic anhydrase inhibitors in trout plasma be used in the treatment of some human diseases?**
BEYDEMİR Ş., Hisar O.
Turkish Journal of Medical Sciences, cilt.34, sa.4, ss.283-284, 2004 (Scopus)

X. **Evaluation of the antioxidant and antimicrobial activities of clary sage (Salvia sclarea L.) Misk adaçayinin (Salvia sclarea L.) antioksidan ve antimikrobiyal aktivitelerinin değerlendirilmesi**
GÜLÇİN İ., Uğuz M. T., Oktay M., BEYDEMİR Ş., KÜFREVİOĞLU Ö. İ.
Turkish Journal of Agriculture and Forestry, cilt.28, sa.1, ss.25-33, 2004 (Scopus)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

I. **Synthesis and Characterization of Novel Triazol-Oksadiazol-Sulfonamid Derivatives: Determination of Their Antidiabetic and Radical Scavenging Activities**
IŞIK M., TÜRKEŞ C., ARSLAN M., FIRAT M., BEYDEMİR Ş.
4th Eurasia Biochemical Approaches &Technologies (EBAT) Congress, Antalya, Türkiye, 3 - 06 Kasım 2022, ss.63

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BUZA A., TÜRKEŞ C., ARSLAN M., DEMİR Y., NIXHA A. R., BEYDEMİR Ş.
4th Eurasia Biochemical Approaches & Technologies (EBAT) Congress, Antalya, Türkiye, 3 - 06 Kasım 2022, ss.86

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4th Eurasia Biochemical Approaches & Technologies (EBAT) Congress, Antalya, Türkiye, 3 - 06 Kasım 2022, ss.28

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KAKAKHAN C., TÜRKEŞ C., GÜLEÇ Ö., DEMİR Y., ARSLAN M., BEYDEMİR Ş.
4th Eurasia Biochemical Approaches &Technologies (EBAT) Congress, Antalya, Türkiye, 3 - 06 Kasım 2022, ss.87

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TUNA YILDIRIM S., TÜRKEŞ C., TOPAL F., TOPAL M., BEYDEMİR Ş.
4th Eurasia Biochemical Approaches & Technologies (EBAT) Congress, Antalya, Türkiye, 3 - 06 Kasım 2022, ss.62

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TUNA YILDIRIM S., TÜRKEŞ C., TOPAL F., TOPAL M., EROĞLU O., BEYDEMİR Ş.
4th Eurasia Biochemical Approaches & Technologies (EBAT) Congress, Antalya, Türkiye, 3 - 06 Kasım 2022, ss.39

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GÜLEÇ Ö., TÜRKEŞ C., ARSLAN M., DEMİR Y., DİNCER B., BEYDEMİR Ş.
The Sixth International Symposium on Pharmaceutical and Biomedical Sciences (ISPBS- 6), Gaziantep, Türkiye, 26 - 28 Mayıs 2022, ss.77

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TUNA YILDIRIM S., TÜRKEŞ C., TOPAL F., TOPAL M., TÜRKMENOĞLU M., BEYDEMİR Ş.
10th International Drug Chemistry Conference, Antalya, Türkiye, 10 - 13 Mart 2022, ss.53

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TUNA YILDIRIM S., TÜRKEŞ C., YENİÇERİ E. K. K., DURAN H. E., ALTAY A., BEYDEMİR Ş.
3rd Eurasia Biochemical Approaches & Technologies Congress (EBAT), Antalya, Türkiye, 4 - 07 Kasım 2021

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DEMİR Y., TÜRKEŞ C., BEYDEMİR Ş.
3rd Eurasia Biochemical Approaches & Technologies Congress (EBAT), Antalya, Türkiye, 4 - 07 Kasım 2021

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DEMİR Y., TÜRKEŞ C., ERTANO B. Y., AKSAKAL E., ERDOĞAN O., BEYDEMİR Ş.
3rd Eurasia Biochemical Approaches & Technologies Congress (EBAT), Antalya, Türkiye, 4 - 07 Kasım 2021

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3rd Eurasia Biochemical Approaches & Technologies Congress (EBAT), Antalya, Türkiye, 4 - 07 Kasım 2021

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TUNA YILDIRIM S., TÜRKEŞ C., DURAN H. E., BEYDEMİR Ş.
3rd Eurasia Biochemical Approaches & Technologies Congress (EBAT), Antalya, Türkiye, 4 - 07 Kasım 2021

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9. International Drug Chemistry Conference, Antalya, Türkiye, 08 Nisan 2021

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SEVER B., ALTINTOP M. D., PEKDOĞAN M., BEYDEMİR Ş., DEMİR Y.
8th Drug Chemistry Conference, Antalya, Türkiye, 27 Şubat - 01 Mart 2020

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ARSLAN N., KAYA E. D., SÖYÜT H., BEYDEMİR Ş.
2nd Eurasia Biochemical Approaches Technologies (2. EBAT) Congress, 26 - 29 Ekim 2019

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2nd Eurasia Biochemical Approaches Technologies (2. EBAT) Congress, 26 - 29 Ekim 2019

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TÜRKEŞ C., DEMİR Y., BİÇER A., BEYDEMİR Ş., TURGUT CİN G., GÜLTEKİN M. S.
Eurasia Biochemical Approaches Technologies (EBAT) Congress, Antalya, Türkiye, 26 - 29 Ekim 2019

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TÜRKEŞ C., DEMİR Y., BEYDEMİR Ş.
Eurasia Biochemical Approaches Technologies (EBAT) Congress, Antalya, Türkiye, 26 - 29 Ekim 2019

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TÜRKEŞ C., DEMİR Y., YALÇIN A., BEYDEMİR Ş.
5th International Eurasian Congress on 'Natural Nutrition, Healthy Life Sport', Ankara, Türkiye, 2 - 06 Ekim 2019

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TÜRKEŞ C., DEMİR Y., YALÇIN A., BEYDEMİR Ş.
5th International Eurasian Congress on 'Natural Nutrition, Healthy Life Sport', Ankara, Türkiye, 2 - 06 Ekim 2019

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5th International Eurasian Congress on 'Natural Nutrition, Healthy Life Sport', Ankara, Türkiye, 2 - 06 Ekim 2019

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TÜRKEŞ C., DEMİR Y., YALÇIN A., BEYDEMİR Ş.
5th International Eurasian Congress on 'Natural Nutrition, Healthy Life Sport', Ankara, Türkiye, 2 - 06 Ekim 2019

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5th International Eurasian Congress on 'Natural Nutrition, Healthy Life Sport', Ankara, Türkiye, 2 - 06 Ekim 2019

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5th International Eurasian Congress on 'Natural Nutrition, Healthy Life Sport', Ankara, Türkiye, 2 - 06 Ekim 2019

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TÜRKEŞ C., DEMİR Y., YALÇIN A., BEYDEMİR Ş.
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2nd European Chemistry Conference (ECC-2019), Amsterdam, Hollanda, 18 - 19 Mayıs 2019

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International Eurasian Conference onScience, Engineering and Technology - EurasianSciEnTech 2018, Ankara, Türkiye, 22 - 23 Kasım 2018, ss.1899-1904

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1st Eurasia Biochemical Approaches Technologies (EBAT) Congress, 27 - 30 Ekim 2018

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ISOPS 12th International Symposium on Pharmaceutical Science, Ankara, Türkiye, 26 - 29 Haziran 2018

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2nd International Gazi Pharma Symposium Series (GPSS 2017), Ankara, Türkiye, 11 - 13 Ekim 2017

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IVEK 3rd International Convention ofPharmaceuticals and Pharmacies, 26 - 29 Nisan 2017

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IVEK 3rd International Convention of Pharmaceuticals and Pharmacies, 26 - 29 Nisan 2017

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IVEK 3rd International Convention ofPharmaceuticals and Pharmacies, 26 - 29 Nisan 2017

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Uluslararası Katılımlı 5. Ilac Kimyası: Ilac Etkin Maddesi Tasarımı, Sentezi, Uretimi ve Standardizasyonu Kongresi, Antalya, Türkiye, 30 Mart - 02 Nisan 2017

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IMMOBILIZATION OF MALATE DEHYDROGENASE ENZYME BY LANGMUIR-BLODGETT TECHNIQUE AND ITS BIOSENSOR APPLICATIONS, Skopje, Makedonya, 26 Ekim - 30 Nisan 2016

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International Conference on Advances in Natural and Applied Sciences ICANAS 2016, 21 - 23 Nisan 2016

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International conference on advances in natural and applied sciences ICANAS 2016, 21 - 23 Nisan 2016

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13th Ibn Sina International Conference on Pure and Applied Heterocyclic Chemistry "Heterocyclic Chemistry for Sustainable Future", 14 - 17 Şubat 2015

Desteklenen Projeler

BEYDEMİR Ş., Gökkuşağı alabalığında Onchorhnicus mykiss sıkça görülen bazı bakteriyel hastalıkların çeşitli enzim aktiviteleri ve bu enzimlerin genetik formasyonları üzerine etkileri, Devam Ediyor
BEYDEMİR Ş., Sığır böbrek karaciğer ve kalp dokularından NOS enziminin saflaştırılması kinetik özelliklerinin belirlenmesi bazı ilaç ve kimyasal maddelerin enzim aktivitesi üzerine in vitro etkilerinin incelenmesi, Devam Ediyor
BEYDEMİR Ş., TÜBİTAK Projesi, Bazı fare genlerinin cDNA larının üretilmesi klonlanması ve ın situ hibridizasyon tekniği ile gen ekspresyon analizi, Devam Ediyor
BEYDEMİR Ş., Değişik hayvansal ve bitkisel kaynaklardan glukoz 6 fosfat dehidrogenaz enziminin saflaştırılması karakterizasyonu ve bazı ilaçlar ve kimyasal maddeler tarafından inhibisyon veya aktivasyon kinetiklerinin incelenmesi,

Devam Ediyor
BEYDEMİR Ş., Tükürüğün diş çürüğü ile ilişkisinin incelenmesi ve çürüğe yatkın bireylerde buna neden olan tükürükteki biyokimyasal değişikliklerin tespiti, Devam Ediyor
BEYDEMİR Ş., Gökkuşağı alabalığında Onchorhnicus mykiss mukusundan lektinin izolasyonu karakterizasyonu ve gıda kaynaklı bakteriler üzerine in vitro antimikrobiyal etkisinin belirlenmesi, Devam Ediyor
BEYDEMİR Ş., İnsan serumundan paraoksonaz I enziminin saflaştırılması kinetik özelliklerinin belirlenmesi ve bazı anestezik ilaçların enzim aktivitesi üzerine in vitro ve in vivo etkilerinin incelenmesi, Devam Ediyor
BEYDEMİR Ş., Karbonik anhidraz enziminin değişik kaynaklardan saflaştırılması ve tıpta sık kullanılan ilaçların ve bazı inhibitörlerin enzim aktivitesi üzerine in vitro ve in vivo etkilerinin incelenmesi, Devam Ediyor
BEYDEMİR Ş., İnsan trombositlerinden COX I enzimi ve insan serumundan praoksonaz I enziminin saflaştırılması kinetik özelliklerinin belirlenmesi bazı ilaç ve kimyasal maddelerin enzim aktiviteleri üzerine in vitro etkilerinin incelenmesi, Devam Ediyor
BEYDEMİR Ş., Eritrosit karbonik anhidraz izoenzimleri üzerinde bazı ilaçların inhibisyon kinetiğinin incelenmesi, Devam Ediyor
BEYDEMİR Ş., İnsan karbonik anhidraz II enzim geninin klonlanması ve bazı inhibitörlerin enzim aktivitesi üzerine in vitro etkilerinin incelenmesi, Devam Ediyor
BEYDEMİR Ş., Bazı fare genlerinin cDNA larının üretilmesi klonlanması antisens mRNA larının üretimi ve in situ hibridizasyon, Devam Ediyor
BEYDEMİR Ş., Bazı fare genlerinin cDNA larının üretilmesi klonlanması antisens mRNA ların üretimi ve in situ hibridizasyon tekniği ile gen ekspresyon analizi, Devam Ediyor
BEYDEMİR Ş., TÜBİTAK Projesi, Gökkuşağı Alabalığı Oncorhynchus mykiss Mukusundan Lektinin Saflaştırılması Karakterizasyonu ve Gıda Kaynaklı Patojen Bakteriler Üzerine In Vitro Antimikrobiyal Etkisinin İncelenmesi, Devam Ediyor
BEYDEMİR Ş., Yükseköğretim Kurumları Destekli Proje, N-Benzyl-N-(4-Methoxyphenyl) Acetamide, N-Benzyl-N-(4-Methoxyphenyl)-4- Methylbenzenesulfonamide, N-Benzyl-4-Methoxyaniline ve (E)-N-(4-Methoxyphenyl)-1-Phenylmethanimine Ana İskeletini Oluşturan Bileşiklerin ve Türevlerinin Aldoz Redüktaz Enzimi Üzerine İnhibisyon Etkilerinin İncelenmesi ve Enzim-İnhibitör Etkileşimlerinin Docking Yöntemiyle Belirlenmesi, 2017 - 2018
BEYDEMİR Ş., Yükseköğretim Kurumları Destekli Proje, İnsan Serumundan Paraoksonaz (PON1) Enziminin Saflaştırılması ve Bazı Sülfonamid Türevlerinin Enzim Aktivitesi Üzerine İn Vitro etkilerinin İncelenmesi, 2016 - 2017
BEYDEMİR Ş., Yükseköğretim Kurumları Destekli Proje, Bazı Antibiyotiklerin Glutatyon S-Transferaz ve Asetilkolin Esteraz Enzim Aktiviteleri Üzerine İn vitro ve İn vivo İnhibisyon Etkilerinin Belirlenmesi, 2016 - 2017
BEYDEMİR Ş., Yükseköğretim Kurumları Destekli Proje, Koyun Karaciğerinden Alkol Dehidrogenaz Enziminin Saflaştırılması Ve Bazı İnhibitörlerin Enzim Aktivitesi Üzerine In Vitro Etkilerinin İncelenmesi, 2016 - 2017
BEYDEMİR Ş., Yükseköğretim Kurumları Destekli Proje, Siklooksijenaz ve Lipoksijenaz Enzimlerinin Belirli Dokulardan Saflaştırılması Bazı Kimyasal Maddelerin Enzimlerin Aktiviteleri Üzerine Etkilerinin İncelenmesi, 2015 - 2016
BEYDEMİR Ş., Yükseköğretim Kurumları Destekli Proje, Alzheimer tipi demans hastalarında ve kardiyovasküler hastalığı olan kişilerde serum eritrosit ve lökosit asetilkolinesteraz ve lökosit kolin asetiltransferaz enzimlerinin aktivitelerinin ve bu enzimlerin mononükleer lökositlerde MNL mRNA expresyon seviyelerinin araştırılması, 2014 - 2016
BEYDEMİR Ş., Yükseköğretim Kurumları Destekli Proje, Gökkuşağı alabalığı dokularından aldoz redüktaz enziminin saflaştırılması kinetik özelliklerinin belirlenmesi bazı ilaç ve kimyasal maddelerin enzim aktivitesi üzerine in vitro etkilerinin incelenmesi, 2013 - 2015