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Kişisel Bilgiler

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Eğitim Bilgileri

Post Doktora, Max Planck Institute, Moleküler Biyoloji ve Genetik, Almanya 2009 - 2010

Doktora, Atatürk Üniversitesi & Stetson University (USA), Fen Fakültesi, Biyokimya (Dr), Türkiye 2006 - 2009

Yüksek Lisans, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Biyokimya (YI) (Tezli), Türkiye 2004 - 2006

Lisans, Atatürk Üniversitesi, Fen Fakültesi, Kimya Bölümü, Türkiye 2000 - 2004

Yaptığı Tezler

Doktora, İnsan serumundan paraoksonaz 1 enziminin saflaştırılması, bazı metal iyonları ve antibiyotiklerin enzim aktivitesi üzerine etkilerinin incelenmesi, Atatürk Üniversitesi, Fen Bilimleri Enstitüsü, Biyokimya (Dr), 2009

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Araştırma Alanları

Moleküler Biyoloji ve Genetik, Kimya, Biyokimya

Akademik Unvanlar / Görevler

Prof.Dr., Ondokuz Mayıs Üniversitesi, Ziraat Fakültesi, Tarımsal Biyoteknoloji Bölümü, 2017 - Devam Ediyor

Doç.Dr., Ondokuz Mayıs Üniversitesi, Ziraat Fakültesi, Tarımsal Biyoteknoloji Bölümü, 2012 - 2017

Yrd.Doç.Dr., Ondokuz Mayıs Üniversitesi, Ziraat Fakültesi, Tarımsal Biyoteknoloji Bölümü, 2010 - 2012

Araştırma Görevlisi, Max Planck Institute, 2009 - 2010

Araştırma Görevlisi, Atatürk Üniversitesi, Fen-Edebiyat Fakültesi, 2005 - 2007

Akademik İdari Deneyim

Bölüm Başkanı, Ondokuz Mayıs Üniversitesi, Ziraat Fakültesi, Tarımsal Biyoteknoloji Bölümü, 2017 - Devam Ediyor

Anabilim/Bilim Dalı Başkanı, Ondokuz Mayıs Üniversitesi, Ziraat Fakültesi, Tarımsal Biyoteknoloji Bölümü, 2010 - Devam Ediyor

verağı Dersler

Kromatografi, Yüksek Lisans, 2013 - 2014, 2012 - 2013, 2011 - 2012
Genel Kimya, Lisans, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011
Protein Saflaştırma Teknikleri, Yüksek Lisans, 2013 - 2014, 2012 - 2013, 2011 - 2012
ENZİMOLOJİ, Lisans, 2013 - 2014, 2012 - 2013, 2011 - 2012
Biyokimya, Lisans, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011
Metabolizma ve Biyoenerjetik, Yüksek Lisans, 2013 - 2014, 2012 - 2013, 2011 - 2012
Biyosensör Teknolojisi, Yüksek Lisans, 2012 - 2013

Yönetilen Tezler

Deniz E., Nitrik oksit sentaz enziminin sıgır böbrek ve trombositlerinden saflaştırılması, karakterizasyonu ve bazı ilaçların enzim aktivitesi üzerine etkilerinin incelenmesi, Doktora, M.MUSTAFA(Öğrenci), 2013

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Synthesis and biological evaluation of novel salicylidene uracils: Cytotoxic activity on human cancer cell lines and inhibitory action on enzymatic activity**
Poslu A. H., Aslan S. E., Koz G., ŞENTÜRK E., KOZ Ö., ŞENTÜRK M., NALBANTSOY A., ÖZTEKİN A., EKİNCİ D.
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- II. **Inhibitory effects of sulfenimides on human and bovine carbonic anhydrase enzymes**
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- III. **To what extent are orally ingested nanoplastics toxic to the hippocampus in young adult rats?**
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- IV. **Partial Purification of Glutathione S-transferase Enzyme From the Seed of Mallow (Malva sylvestris L.) and Investigation of the Inhibition Kinetics of Some Heavy Metals**
Isik K., Taş Ö., EKİNCİ D.
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- VI. **Effects of dietary replacement of fish oil with different lipid sources on growth, fatty acid composition, mineral content and expression levels desaturase and elongase genes in rainbow trout (*Oncorhynchus mykiss*)**
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- VII. **Synthesis, in vitro and in silico Biological Studies of Sulfonamide Chalcones as Esterase Inhibitors**
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- VIII. **Extraction and Characterization of Protein Concentrates from Limpets (*Patella vulgata*) and Peptide Release Following Gastrointestinal Digestion**
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- IX. **Effects of hypoxia and hyperoxia on growth parameters and transcription levels of growth, immune**

system and stress related genes in rainbow trout

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- X. **Dietary inclusion of royal jelly modulates gene expression and activity of oxidative stress enzymes in zebrafish**
AKSAKAL E., EKİNCİ D., Supuran C. T.
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- XI. **Synthesis and characterization of some new pyrazolines and their inhibitory potencies against carbonic anhydrases**
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- XII. **Investigation of pesticides on honey bee carbonic anhydrase inhibition**
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- XIII. **Design, synthesis and molecular modelling studies of some pyrazole derivatives as carbonic anhydrase inhibitors**
Dizdaroglu Y., ALBAY C., ARSLAN T., Ece A., Turkoglu E. A., Efe A., ŞENTÜRK M., Supuran C. T., EKİNCİ D.
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- XIV. **Effects of Different Additives and Lignin Peroxidase Enzyme on in vitro Gas Production Kinetics and Methane Production of some Straws**
Kılıç Ü., Abdi A. M., EKİNCİ D.
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- XV. **Comparison of blood carbonic anhydrase activity of athletes performing interval and continuous running exercise at high altitude**
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- XVI. **Determination of the inhibitory effects of N-methylpyrrole derivatives on glutathione reductase enzyme**
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- XVII. **Inhibition of acetylcholinesterase and butyrylcholinesterase with uracil derivatives: kinetic and computational studies**
ÇAVDAR H., ŞENTÜRK M., GÜNEY M., DURDAĞI S., Kayık G., Supuran C. T., EKİNCİ D.
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- XVIII. **Effects of Feeding Honey Bees (Hymenoptera: Apidae) With Industrial Sugars Produced by Plants Using Different Photosynthetic Cycles (Carbon C-3 and C-4) on the Colony Wintering Ability, Lifespan, and Forage Behavior**
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- XIX. **Comparing Biochemical Properties of Pure and Adulterated Honey Produced By Feeding Honeybees (Apis mellifera L.) Colonies with Different Levels of Industrial Commercial Sugars([1])**
Guler A., Garipoğlu A. V., Önder H., Bıyık S., Kocaokutgen H., EKİNCİ D.
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- XX. **Carbonic anhydrase from Apis mellifera: purification and inhibition by pesticides**
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- XXI. **Carbonic anhydrase inhibitory properties of some uracil derivatives**
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- XXII. **Purification of Carbonic Anhydrase Enzyme from Bovine Liver Tissue and Investigation of yhe**

Inhibitory Effects of Bischalcone Derivatives

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- XXIII. **Investigation of Inhibitory Effects of Some Sulfonamides on Acetylcholinesterase Enzyme**
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- XXIV. **Synthesis and Biological Evaluation of Novel Bischalcone Derivatives as Carbonic Anhydrase Inhibitors**
ARSLAN T., Celik G., Celik H., ŞENTÜRK M., YAYLI N., EKİNCİ D.
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- XXV. **Investigation of the Effect of Nifedipine on Heart Glutathione Reductase Enzyme of Ischemia/Reperfusion Injured Rat**
ERASLAN E., Ekinci D., Tanyeli A., Senturk M.
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- XXVI. **Pyridazinone substituted benzenesulfonamides as potent carbonic anhydrase inhibitors**
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- XXVII. **Kinetic and docking studies of cytosolic/tumor-associated carbonic anhydrase isozymes I, II and IX with some hydroxylic compounds**
DURDAĞI S., Korkmaz N., IŞIK S., Vullo D., ASTLEY D., EKİNCİ D., Salmas R. E., ŞENTÜRK M., Supuran C. T.
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- XXVIII. **Origin Estimation of Honey Samples by Using Constant and Discriminative Function Coefficients of Pure Honey and Honey Produced by Colonies Feeding with Different Sugars**
Önder H., Guler A., Bıyık S., EKİNCİ D., Garipoğlu A. V., Kocaokutgen H.
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- XXIX. **Carbonic anhydrase inhibitors: Design, synthesis, kinetic, docking and molecular dynamics analysis of novel glycine and phenylalanine sulfonamide derivatives**
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- XXX. **Interaction of carbonic anhydrase isozymes I, II, and IX with some pyridine and phenol hydrazinecarbothioamide derivatives**
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- XXXI. **Purification and Characterization of Carbonic Anhydrase Enzyme from Bovine Heart Tissue and Investigation of Inhibition Effects of Some Sulphonamide Derivative Drugs**
EKİNCİ D., ŞENTÜRK M., ŞENTÜRK E.
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- XXXII. **Comparison of Inhibition Effects of Some Anions on Carbonic Anhydrase Isoenzymes from Mammalian Kidney Tissues**
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- XXXIII. **Synthesis and carbonic anhydrase inhibitory properties of novel uracil derivatives**
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- XXXIV. **Synthesis and biological activity of novel thiourea derivatives as carbonic anhydrase inhibitors**
Korkmaz N., Obaidi O. A., ŞENTÜRK M., ASTLEY D., EKİNCİ D., Supuran C. T.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, cilt.30, sa.1, ss.75-80, 2015 (SCI-Expanded)
- XXXV. **Investigation of arenesulfonyl-2-imidazolidinones as potent carbonic anhydrase inhibitors**
Abdel-Aziz A. A., El-Azab A. S., EKİNCİ D., ŞENTÜRK M., Supuran C. T.
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- XXXVI. **Synthesis of 3,4-dihydropyrrolidine-2,5-dione and 3,5-dihydroxybenzoic acid derivatives and**

evaluation of the carbonic anhydrase I and II inhibition

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- XXXVII. **Characterization of carbonic anhydrase from Turkish native "Gerze" chicken and influences of metal ions on enzyme activity**

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- XXXVIII. **Detection of adulterated honey produced by honeybee (*Apis mellifera* L.) colonies fed with different levels of commercial industrial sugar (C-3 and C-4 plants) syrups by the carbon isotope ratio analysis**

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- XXXIX. **Influence of Different Dietary Lipids on the Activity of Metabolic Enzymes in Brown Trout (*Salmo trutta*)**

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- XL. **Goose fat, a promising nutrient for fish feeding, activates antioxidant enzymes in rainbow trout, *Oncorhynchus mykiss***

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- XLI. **Susceptibility of cord blood antioxidant enzymes glutathione reductase, glutathione peroxidase and glutathione S-transferase to different antibiotics: in vitro approach**

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- XLII. **Synthesis and Biological Evaluation of Novel Bromophenol Derivatives as Carbonic Anhydrase Inhibitors**

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- XLIII. **Secondary/tertiary benzenesulfonamides with inhibitory action against the cytosolic human carbonic anhydrase isoforms I and II**

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- XLIV. **Analysis of saponins and phenolic compounds as inhibitors of alpha-carbonic anhydrase isoenzymes**

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- XLV. **Kinetic and in silico analysis of thiazolidin-based inhibitors of alpha-carbonic anhydrase isoenzymes**

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- XLVI. **Inhibition of mammalian carbonic anhydrase isoforms I, II and VI with thiamine and thiamine-like molecules**

Ozdemir Z. O., ŞENTÜRK M., EKİNCİ D.

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- XLVII. **Carbonic anhydrase inhibitors: in vitro inhibition of alpha isoforms (hCA I, hCA II, bCA III, hCA IV) by flavonoids**

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- XLVIII. **Purification and characterization of carbonic anhydrase from sheep kidney and effects of sulfonamides on enzyme activity**

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- XLIX. **Synthesis of 1,4-bis(indolin-1-ylmethyl)benzene derivatives and their structure-activity**

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- LI. **Assesment of metal inhibition of antioxidant enzyme glutathione reductase from rainbow trout liver**
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- LII. **Synthesis of novel mono and bis-indole conduritrol derivatives and their alpha/beta-glycosidase inhibitory effects**
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- LIIL. **Carbonic anhydrase inhibitors: inhibition of human and bovine isoenzymes by benzenesulphonamides, cyclitols and phenolic compounds**
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- LIV. **Chromone containing sulfonamides as potent carbonic anhydrase inhibitors**
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- LV. **Influence of pesticides on the pH regulatory enzyme, carbonic anhydrase, from European Seabass liver and bovine erythrocytes**
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- LVI. **Inhibition of human carbonic anhydrase isozymes I, II and VI with a series of bisphenol, methoxy and bromophenol compounds**
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- LVIII. **Structure-activity relationships for the interaction of 5,10-dihydroindeno[1,2-b] indole derivatives with human and bovine carbonic anhydrase isoforms I, II, III, IV and VI**
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