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Eğitim Bilgileri

Doktora, Karadeniz Teknik Üniversitesi, Fen Bilimleri, Organik Kimya, Türkiye 2008 - 2012

Yüksek Lisans, Recep Tayyip Erdoğan Üniversitesi, Fen Bilimleri, Kimya, Türkiye 2005 - 2008

Lisans, Karadeniz Teknik Üniversitesi, Fen Edebiyat, Kimya, Türkiye 2001 - 2005

Yaptığı Tezler

Doktora, Yeni bir yöntem kullanılarak benzimidazol bileşiklerinin mikrodalga ışıma ile sentezlenmesi ve bu bileşiklerin bazı biyolojik aktivitelerinin incelenmesi, Karadeniz Teknik Üniversitesi, Fen Bilimleri, Kimya, 2012

Araştırma Alanları

Kimya, Organik Kimya, Heterosiklik Bileşikler Kimyası, Temel Bilimler

Akademik Unvanlar / Görevler

Prof. Dr., Recep Tayyip Erdoğan Üniversitesi, Fen Edebiyat Fakültesi, Kimya Bölümü, 2020 - Devam Ediyor

Doç. Dr., Recep Tayyip Erdoğan Üniversitesi, Fen Edebiyat Fakültesi, Kimya Bölümü, 2007 - Devam Ediyor

Akademik İdari Deneyim

Recep Tayyip Erdoğan Üniversitesi, 2016 - Devam Ediyor

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Yönetilen Tezler

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- II. **Development of a New and Facile Carrier Element-Free Coprecipitation Procedure for Separation, Preconcentration and Sensitive Determination of Cu(II) and Cd(II) Ions in Water and Vegetable Samples**
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- III. **Developing Effective Antimicrobial Agents: Synthesis and Molecular Docking Study of Ciprofloxacin-Benzimidazole Hybrids**
Mentese E., Yilmaz F., Mentese M., Beris F., Emirik M.
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- IV. **Synthesis of Novel Azabenzimidazole Bridged bis-Coumarin Compounds, Investigation of Pancreatic Lipase Inhibitory Properties, and Docking Studies**
Akyuez G., Faiz Ö., EMİRİK M., Mentese E.
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- V. **Synthesis of Some Benzimidazole-Thiophene Hybrids as Potential Urease and Lipase Inhibitors**
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- VII. **Design and synthesis of benzimidazole derivatives as apoptosis-inducing agents by targeting Bcl-2 protein**
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- VIII. **Binuclear Cu(II), Ni(II) and Zn(II) complexes of hydrazone Schiff bases: Synthesis, spectroscopy, DFT calculations, and SOD mimetic activity**
Zengin A., Serbest K., Emirik M., Özil M., Mentese E., Faiz Ö.
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- IX. **Urease Inhibition Studies of New Benzimidazoles Containing Triazole Ring**
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- X. **A facile and sensitive coprecipitation method coupled with flame atomic absorption spectrometry for quantification of Cu(II) ions in complex matrices**
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- XI. **Synthesis and Characterization of New Bistriazole Quinazolinones and their Urease Inhibition Activities**
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- XII. **Synthesis of New Coumarin-C₃ Benzimidazole Hybrids and Their Urease Inhibition Studies**

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- XIII. **Synthesis and Docking Studies of Novel Benzimidazole Derivatives Containing Thiophene and Triazole Rings as Potential Urease Inhibitors**
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- XIV. **Novel peripheral and non-peripheral oxobenzo[d]thiazol substituted cobalt phthalocyanines: Synthesis, electrochemistry, spectroelectrochemistry, electrocatalytic hydrogen production in alkaline medium**
Akyuz D., ÖZÇİFÇİ Z., MENTEŞE E., AKÇAY H. T.
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- XV. **Synthesis, structural, spectral, antioxidant, bioactivity and molecular docking investigations of a novel triazole derivative**
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- XVI. **Structural, spectral, bioactivity, antioxidant and molecular docking (with SARS-CoV-2) analyses on a new synthesized thiosemicarbazide derivative**
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- XVIII. **Metallo-phthalocyanines containing triazole substituents: Synthesis, spectroscopic and photophysicochemical properties**
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- XIX. **Synthesis and biological evaluation of benzimidazolone bridged triheterocyclic compounds**
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- XX. **Synthesis and anticancer activities of some new coumarin derivatives including the triazole ring and their in silico molecular docking studies**
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- XXI. **Synthesis, electrochemical and in-situ spectroelectrochemical properties of 1,2,4 triazole containing metallo-phthalocyanines**
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- XXII. **Synthesis and biological evaluation of some 1,3-benzoxazol-2(3H)-one hybrid molecules as potential antioxidant and urease inhibitors**
YILMAZ F., MENTEŞE E., Sokmen B. B.
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- XXIII. **The determination of molecular dynamic properties of Novel 5-oxo-1,2,4-triazole phthalocyanines and investigation of their urease inhibition properties**
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- XXIV. **Synthesis and pancreatic lipase inhibitory activities of some 1,2,4-triazol-5(3)-one derivatives**
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- XXV. **Synthesis and Antibacterial and Antifungal Activity of New Thieno[2,3-d]Pyrimidin-4(3H)-One Derivatives**

- Kahveci B., Doğan İ. S., Mentese E., Sellitepe H. E., Kart D.
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- XXVI. **Synthesis, alpha-glucosidase inhibition and in silico studies of some 4-(5-fluoro-2-substituted-1H-benzimidazol-6-yl)morpholine derivatives**
Mentese E., Baltas N., Emirik M.
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- XXVII. **Electrochemistry of Novel Phthalocyanines Bearing 1,2,4 Triazole Groups**
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- XXX. **Synthesis and solvent-dependent photophysics of a novel fluorescent triazole-coumarin-based dye**
Kaya M., Mentese E.
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- XXXI. **Synthesis of novel tetra-substituted benzimidazole compounds containing certain heterostructures with antioxidant and anti-urease activities**
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- XXXII. **Synthesis and spectroscopic characterization of novel methoxy bridged benzimidazolyl-substituted phthalocyanines as potent inhibitors of urease**
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- XXXIII. **Efficient Synthesis of 2-[(3,4-Dichlorophenyl)methyl]-1H-benzimidazole Derivatives, and their alpha-Glucosidase Inhibitory and Antioxidant Activities**
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- XXXIV. **Synthesis and kinetics studies of N'-(2-(3,5-disubstituted-4H-1,2,4-triazol-4-yl)acetyl)-6/7/8-substituted-2-oxo-2H-chromen-3-carbohydrazide derivatives as potent antidiabetic agents**
Mentese E., Baltas N., BEKİRCAN O.
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- XXXV. **Synthesis and Biological Evaluation of Some Succinimide Hybrid Molecules**
Yilmaz F., Mentese E., Baltas N.
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- XXXVI. **Synthesis of novel 2,3-disubstituted quinazolin-4(3H)-one derivatives containing hydrazone skeleton as potent urease inhibitors and their antimicrobial activities**
Akyuz G., BERİS F. Ş., KAHVECİ B., Mentese E.
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- XXXVII. **Mononuclear Cu(II) complex of an oxime ligand derived from N-Heterocyclic hydrazide: Synthesis, spectroscopy, electrochemistry, DFT calculations and catecholase activity**
ZENGİN A., KARAOĞLU K., EMİRİK M., MENTEŞE E., Serbest K.
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- XXXVIII. **Synthesis and In Vitro Urease Inhibition of Some Novel Benzimidazole-based Hydrazones**
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Mentese E., Emirik M., Sokmen B. B.
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- XL. **Synthesis, in vitro urease inhibition and molecular docking studies of some novel quinazolin-4(3H)-one derivatives containing triazole, thiadiazole and thiosemicarbazide functionalities**
Mentese E., Akyuz G., Emirik M., Baltas N.
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- XLI. **Novel triazole substituted phthalocyanines showing high singlet oxygen quantum yields**
DEMİRBAŞ Ü., Bayrak R., DİLBER G., MENTESE E., Akcay H. T.
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- XLII. **Synthesis, Antioxidant and Antiurease Activities of Some New 5,6-dichloro-2-(4-fluorobenzyl)-1H-benzimidazole Derivatives Containing Furan, Oxadiazole, Triazole and Thiadiazole Moieties**
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- XLIII. **Novel 1,2,4-triazole substituted metallo-phthalocyanines: Synthesis, characterization and investigation of electrochemical and spectroelectrochemical properties**
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- XLIV. **Synthesis of some novel quinazolin-4(3H)-one hybrid molecules as potent urease inhibitors**
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- XLV. **Synthesis and Urease Inhibition Study of Some New Quinazolinone Derivatives Bearing Triazole, Thiadiazole, and Piperazine Moiety**
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- XLVI. **Synthesis of some new Methoxy Bridged Benzimidazolyl-Substituted phthalocyanines as potent inhibitors of urease**
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- XLVII. **Synthesis and molecular docking study of some novel 2,3-disubstituted quinazolin-4(3H)-one derivatives as potent inhibitors of urease**
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- XLVIII. **Synthesis, Antioxidant, and Antibacterial Activities of Some New 2-(3-fluorobenzyl)-1H-benzimidazole Derivatives**
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- XLIX. **Crystal Structure of 4-[(4-Ethyl-5-Phenyl-4H-1,2,4-Triazol-3-yl)Sulfanyl]Phthalonitrile**
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- LI. **Synthesis and antioxidant, antiurease and anti-xanthine oxidase activities of some new benzimidazoles bearing triazole, oxadiazole, thiadiazole and imin function**
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- LII. **Synthesis, molecular docking and biological evaluation of some benzimidazole derivatives as potent pancreatic lipase inhibitors**

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- LIII. **SYNTHESIS AND ANTIMICROBIAL ACTIVITY OF SOME NEW TRIAZOLE BRIDGED BENZIMIDAZOLE SUBSTITUTED PHTHALONITRILE AND PHTHALOCYANINES**
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- LIV. **Design, Synthesis, and Biological Evaluation of Coumarin-Triazole Hybrid Molecules as Potential Antitumor and Pancreatic Lipase Agents**
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- LV. **A New Fluorescent "Turn-Off" Coumarin-Based Chemosensor: Synthesis, Structure and Cu-Selective Fluorescent Sensing in Water Samples**
Karaoglu K., Yilmaz F., Mentese E.
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- LVI. **Synthesis and molecular docking study of some 5,6-dichloro-2cyclopropyl-1H-benzimidazole derivatives bearing triazole, oxadiazole, and imine functionalities as potent inhibitors of urease**
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- LVIII. **A spectroscopic study on new phthalonitrile derivative and its computational background: 4-[(4,5-Diphenyl-4H-1,2,4-triazol-3-yl)sulfanyl]benzene-phthalonitrile**
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- LIX. **Synthesis and Antioxidant Evaluation of Some Novel Benzimidazole Derivatives Containing a Triazole Nucleus**
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- LX. **Synthesis and characterisation of some coumarin-1,2,4-triazol-3-thioether hybrid molecules**
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- LXI. **Synthesis and evaluation of alpha-glucosidase and pancreatic lipase inhibition by quinazolinone-coumarin hybrids**
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- LXII. **Efficient Synthesis of Benzimidazoles Containing 1,2,4-Triazol-3-One Nucleus Using Microwave Technique**
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- LXIII. **SYNTHESIS OF NEW FLUORINE-CONTAINING 1,2,4-TRIAZOLE-5-ON DERIVATIVES WITH THEIR ANTI-UREASE, ANTI-XANTHINE OXIDASE AND ANTIOXIDANT ACTIVITIES**
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- LXIV. **Acetate bridged dinuclear Cu(II) complexes with ferrocene based benzimidazol ligands: Synthesis, spectroscopy, electrochemistry, DFT calculations and catecholase activity**
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- LXV. **A Convenient Synthesis of Bisbenzimidazoles from Iminoester Hydrochlorides Via Microwave Technique**

- KAHVECİ B., Mentese E., Ozil M., Yilmaz F., Serdar M.
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- LXVI. **SYNTHESIS AND STUDY OF ANTITUMOR ACTIVITY OF SOME NEW 2-(4-METHOXYBENZYL)-1H-BENZIMIDAZOLE DERIVATIVES BEARING TRIAZOLE, OXADIAZOLE AND ETHANOL MOIETY**
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- LXVII. **Ferrocenyl-substituted dinuclear Cu(II) complex: Synthesis, spectroscopy, electrochemistry, DFT calculations and catecholase activity**
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- LXVIII. **EXPERIMENTAL AND THEORETICAL STUDIES OF 4-[(4-METHYL-5-PHENYL-4H-1,2,4-TRIAZOL-3-YL)SULFANYL]BENZENE-1,2-DICARBONITRILE**
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XCVIII. Flor Atomu İçeren Bazı Benzimidazol Türevlerinin Sentezi ve Lipaz İnhibisyon Özelliklerinin İncelenmesi

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Kongre ve Sempozyum Katılımı Faaliyetleri

3. IVEK Uluslararası İlaç ve Eczacılık Kongresi, Katılımcı, İstanbul, Türkiye, 2017
- International Turkic World Conference on Chemical Sciences and Technologies, Katılımcı, Skopje, Makedonya, 2016
2. IVEK Uluslararası İlaç ve Eczacılık Kongresi, Katılımcı, İstanbul, Türkiye, 2015
- . Drug Discovery Conference, Katılımcı, Rīga, Letonya, 2015
1. IVEK Uluslararası İlaç ve Eczacılık Kongresi, Katılımcı, Türkiye, 2014
1. Ulusal Organik Kimya Kongresi, Katılımcı, Sakarya, Türkiye, 2013
1. İlaç Kimyası Kongresi, Katılımcı, Antalya, Türkiye, 2013
7. Uluslararası Heterosiklik Kimya Kongresi, Katılımcı, İstanbul, Türkiye, 2012
24. Ulusal Kimya Kongresi, Katılımcı, Zonguldak, Türkiye, 2010
22. Ulusal Kimya Kongresi, Katılımcı, Gazimagusa, Kıbrıs (Kktc), 2008