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KiŐisel Bilgiler

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Eđitim 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 bileŐiklerinin mikrodalga ıŐıma ile sentezlenmesi ve bu bileŐiklerin bazı biyolojik aktivitelerinin incelenmesi, Karadeniz Teknik Üniversitesi, Fen Bilimleri, Kimya, 2012

AraŐtırma Alanları

Kimya, Organik Kimya, Heterosiklik BileŐikler 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

Fakülte Kurulu Üyesi, Recep Tayyip Erdoğan Üniversitesi, 2015 - 2023

Yönetilen Tezler

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- I. **A facile ultrasonic synthesis approach to 3-*H*-quinazolinethione derivatives and their urease inhibition studies**
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- II. **Synthesis and Biological Evaluation of Coumarin-Amino Acid-Benzotriazole Conjugates**
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- III. **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**
DURAN C., ÖZDEŞ D., MENTEŞE E., BEKTAŞ H.
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- IV. **Developing Effective Antimicrobial Agents: Synthesis and Molecular Docking Study of Ciprofloxacin-Benzimidazole Hybrids**
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- V. **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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- VI. **Benzimidazolone-piperazine/triazole/thiadiazole/furan/thiophene conjugates: Synthesis, in vitro urease inhibition, and in silico molecular docking studies**
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- VII. **Synthesis of Some Benzimidazole-Thiophene Hybrids as Potential Urease and Lipase Inhibitors**
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- VIII. **Design and synthesis of benzimidazole derivatives as apoptosis-inducing agents by targeting Bcl-2 protein**
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- IX. **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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- X. **Urease Inhibition Studies of New Benzimidazoles Containing Triazole Ring**
Akyüz G., Mentese E., Kahveci B.
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- XI. **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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- XII. **Synthesis and Characterization of New Bistriazole Quinazolinodiones and their Urease Inhibition**

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- XIII. **Synthesis of New Coumarin-C₃ Benzimidazole Hybrids and Their Urease Inhibition Studies**
Akyüz G., Mentese E.
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- XIV. **Synthesis and Docking Studies of Novel Benzimidazole Derivatives Containing Thiophene and Triazole Rings as Potential Urease Inhibitors**
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- XV. **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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- XVI. **Synthesis, structural, spectral, antioxidant, bioactivity and molecular docking investigations of a novel triazole derivative**
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- XVII. **Structural, spectral, bioactivity, antioxidant and molecular docking (with SARS-CoV-2) analyses on a new synthesized thiosemicarbazide derivative**
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- XVIII. **Novel Coumarin Derivatives Containing a Triazole Moiety: A Study on Synthesis, Cytotoxicity, Membrane Dysfunction, Apoptosis, Cell Cycle, and Antiangiogenic Effects**
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- XIX. **Metallo-phthalocyanines containing triazole substituents: Synthesis, spectroscopic and photophysicochemical properties**
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- XX. **Synthesis and biological evaluation of benzimidazolone bridged triheterocyclic compounds**
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- XXI. **Synthesis and anticancer activities of some new coumarin derivatives including the triazole ring and their in silico molecular docking studies**
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- XXII. **Synthesis, electrochemical and in-situ spectroelectrochemical properties of 1,2,4 triazole containing metallo-phthalocyanines**
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- XXIII. **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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- XXIV. **Synthesis and pancreatic lipase inhibitory activities of some 1,2,4-triazol-5(3)-one derivatives**
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- XXV. **The determination of molecular dynamic properties of Novel 5-oxo-1,2,4-triazole phthalocyanines**

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KAYA M., MENTEŞE E., Sokmen B. B., AKÇAY H. T.

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- XXVI. **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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- XXVII. **Synthesis, alpha-glucosidase inhibition and in silico studies of some 4-(5-fluoro-2-substituted-1H-benzimidazol-6-yl)morpholine derivatives**
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- XXVIII. **Electrochemistry of Novel Phthalocyanines Bearing 1,2,4 Triazole Groups**
Akyuz D., DEMİRBAŞ Ü., AKÇAY H. T., MENTEŞE E., KOCA A., KANTEKİN H.
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- XXIX. **Novel phthalocyanines bearing 1,2,4 triazole substituents: Synthesis, characterization, photophysical and photochemical properties**
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- XXX. **Design, synthesis, and characterization of some new benzimidazole derivatives and biological evaluation**
BEKTAŞ H., Sokmen B. B., AYDIN S., Mentese E., Bektas A., Dilekci G.
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- XXXI. **Synthesis and solvent-dependent photophysics of a novel fluorescent triazole-coumarin-based dye**
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- XXXII. **Synthesis of novel tetra-substituted benzimidazole compounds containing certain heterostructures with antioxidant and anti-urease activities**
Karaali N., Aydin S., Baltas N., Mentese E.
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- XXXIII. **Synthesis and spectroscopic characterization of novel methoxy bridged benzimidazolyl-substituted phthalocyanines as potent inhibitors of urease**
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- XXXIV. **Efficient Synthesis of 2-[(3,4-Dichlorophenyl)methyl]-1H-benzimidazole Derivatives, and their alpha-Glucosidase Inhibitory and Antioxidant Activities**
MENTEŞE E., YILMAZ F., BALTAŞ N.
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- XXXV. **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-carbohydrazone derivatives as potent antidiabetic agents**
Mentese E., Baltas N., BEKİRCAN O.
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- XXXVI. **Synthesis and Biological Evaluation of Some Succinimide Hybrid Molecules**
Yilmaz F., Mentese E., Baltas N.
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- XXXVII. **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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- XXXVIII. **Mononuclear Cu(II) complex of an oxime ligand derived from N-Heterocyclic hydrazone: Synthesis, spectroscopy, electrochemistry, DFT calculations and catecholase activity**

- ZENGİN A., KARAOĞLU K., EMİRİK M., MENTESE E., Serbest K.
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- XXXIX. **Synthesis and In Vitro Urease Inhibition of Some Novel Benzimidazole-based Hydrazones**
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- XL. **Design, molecular docking and synthesis of novel 5,6-dichloro-2-methyl-1H-benzimidazole derivatives as potential urease enzyme inhibitors**
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- XLI. **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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- XLII. **Novel triazole substituted phthalocyanines showing high singlet oxygen quantum yields**
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- XLIII. **Synthesis, Antioxidant and Antiurease Activities of Some New 5,6-dichloro-2-(4-fluorobenzyl)-1H-benzimidazole Derivatives Containing Furan, Oxadiazole, Triazole and Thiadiazole Moieties**
Bektas H., Albay C., Mentese E., Sokmen B. B., Kurt Z., Sen D.
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- XLIV. **Novel 1,2,4-triazole substituted metallo-phthalocyanines: Synthesis, characterization and investigation of electrochemical and spectroelectrochemical properties**
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- XLV. **Synthesis of some novel quinazolin-4(3H)-one hybrid molecules as potent urease inhibitors**
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- XLVIII. **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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- XLIX. **Synthesis, Antioxidant, and Antibacterial Activities of Some New 2-(3-fluorobenzyl)-1H-benzimidazole Derivatives**
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- L. **Crystal Structure of 4-[(4-Ethyl-5-Phenyl-4H-1,2,4-Triazol-3-yl)Sulfanyl]Phthalonitrile**
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- LI. **Green protocol: catalyst-free synthesis of 2-substituted benzimidazoles under ultrasound irradiation**
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- LII. **Synthesis and antioxidant, antiurease and anti-xanthine oxidase activities of some new benzimidazoles bearing triazole, oxadiazole, thiadiazole and imin function**

Karaali N., Baltas N., Mentese E.

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- LIII. **Synthesis, molecular docking and biological evaluation of some benzimidazole derivatives as potent pancreatic lipase inhibitors**
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- LIV. **SYNTHESIS AND ANTIMICROBIAL ACTIVITY OF SOME NEW TRIAZOLE BRIDGED BENZIMIDAZOLE SUBSTITUTED PHTHALONITRILE AND PHTHALOCYANINES**
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- LV. **Design, Synthesis, and Biological Evaluation of Coumarin-Triazole Hybrid Molecules as Potential Antitumor and Pancreatic Lipase Agents**
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- LVI. **A New Fluorescent "Turn-Off" Coumarin-Based Chemosensor: Synthesis, Structure and Cu-Selective Fluorescent Sensing in Water Samples**
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- LVII. **Synthesis and molecular docking study of some 5,6-dichloro-2-cyclopropyl-1H-benzimidazole derivatives bearing triazole, oxadiazole, and imine functionalities as potent inhibitors of urease**
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- LVIII. **NEW PYRIDINE DERIVATIVES AS ANTIUREASE INHIBITORS: SYNTHESIS AND THEIR EVALUATION FOR ANTIMICROBIAL ACTIVITIES**
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- LIX. **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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- LX. **Synthesis and characterisation of some coumarin-1,2,4-triazol-3-thioether hybrid molecules**
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- LXI. **Synthesis and Antioxidant Evaluation of Some Novel Benzimidazole Derivatives Containing a Triazole Nucleus**
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- LXII. **Synthesis and evaluation of alpha-glucosidase and pancreatic lipase inhibition by quinazolinone-coumarin hybrids**
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- LXIII. **Efficient Synthesis of Benzimidazoles Containing 1,2,4-Triazol-3-One Nucleus Using Microwave Technique**
Mentese E., KAHVECİ B.
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- LXIV. **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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- LXV. **Acetate bridged dinuclear Cu(II) complexes with ferrocene based benzimidazol ligands: Synthesis,**

- spectroscopy, electrochemistry, DFT calculations and catecholase activity**
KARAOGLU K., EMIRIK M., MENTESE E., ZENGİN A., Serbest K.
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- LXVI. **A Convenient Synthesis of Bisbenzimidazoles from Iminoester Hydrochlorides Via Microwave Technique**
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- LXVII. **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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- LXVIII. **Ferrocenyl-substituted dinuclear Cu(II) complex: Synthesis, spectroscopy, electrochemistry, DFT calculations and catecholase activity**
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Bilimsel Danışmanlıklar

TUBİTAK, Bilimsel Projeler İçin Yapılan Danışmanlık, Recep Tayyip Erdoğan Üniversitesi, Fen Edebiyat Fakültesi, Kimya Bölümü, Türkiye, 2015 - 2017

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Kongre ve Sempozyum Katılımı Faaliyetleri

3. İVEK Uluslararası İlaç ve Eczacılık Kongresi, Katılımcı, İstanbul, Türkiye, 2017

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