

## Prof. EMRE MENTEŐE

### Personal Information

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### Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri, Organik Kimya, Turkey 2008 - 2012

Postgraduate, Recep Tayyip Erdogan University, Fen Bilimleri, Kimya, Turkey 2005 - 2008

Undergraduate, Karadeniz Technical University, Fen Edebiyat, Kimya, Turkey 2001 - 2005

### Dissertations

Doctorate, Yeni bir yöntem kullanılarak benzimidazol bileŐiklerinin mikrodalga ışımaya ile sentezlenmesi ve bu bileŐiklerin bazı biyolojik aktivitelerinin incelenmesi, Karadeniz Technical University, Fen Bilimleri, Kimya, 2012

### Research Areas

Chemistry, Organic Chemistry, Chemistry of Heterocyclic Compounds, Natural Sciences

### Academic Titles / Tasks

Professor, Recep Tayyip Erdogan University, Fen Edebiyat Fakóltesi, Kimya Bölümü, 2020 - Continues

Associate Professor, Recep Tayyip Erdogan University, Fen Edebiyat Fakóltesi, Kimya Bölümü, 2007 - Continues

### Academic and Administrative Experience

Recep Tayyip Erdogan University, 2016 - Continues

Fakólte Kurulu Üyesi, Recep Tayyip Erdogan University, 2015 - 2023

### Advising Theses

MenteŐe E., Kinazolin-tiyofen hibrit bileŐiklerinin sentezi ve yapı aydınlatılması, Postgraduate, Y.ÜNAL(Student), 2023

MenteŐe E., Benzimidazolün köprülü heterosiklik bileŐiklerin sentezi ve biyolojik özelliklerinin incelenmesi, Doctorate, O.GÜVEN(Student), 2022

MENTEŐE E., Yeni 2,3-Disübstitüe Kinazolin-4(3H)-on Türevi BileŐiklerin Sentezi ve Biyolojik Özelliklerinin İncelenmesi, Doctorate, G.Akyüz(Student), 2018

MENTEŐE E., Kumarin-triazol hibrit bileŐiklerinin mikrodalga destekli sentezi ve bazı biyolojik özelliklerinin incelenmesi,

Doctorate, F.Yilmaz(Student), 2016

MENTEŞE E., Kromen-2-On halkası içeren tetra-substitüe benzimidazol türevlerinin sentezi ve yapılarının aydınlatılması,

Postgraduate, F.Mutlu(Student), 2016

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A facile ultrasonic synthesis approach to 3-H-quinazolinethione derivatives and their urease inhibition studies**  
Çaliskan N., Akyüz G., Mentese E.  
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.199, no.4, pp.293-298, 2024 (SCI-Expanded)
- II. **Synthesis and Biological Evaluation of Coumarin-Amino Acid-Benzotriazole Conjugates**  
Mentese E., Caliskan N., Soekmen B., Akyuez G.  
RUSSIAN JOURNAL OF BIOORGANIC CHEMISTRY, vol.50, no.1, pp.191-200, 2024 (SCI-Expanded)
- 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.  
ANALYTICAL LETTERS, vol.57, no.2, pp.225-236, 2024 (SCI-Expanded)
- IV. **Developing Effective Antimicrobial Agents: Synthesis and Molecular Docking Study of Ciprofloxacin-Benzimidazole Hybrids**  
Mentese E., Yilmaz F., Mentese M., Beris F., Emirik M.  
CHEMISTRYSELECT, vol.9, no.2, pp.1-11, 2024 (SCI-Expanded)
- 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.  
RUSSIAN JOURNAL OF BIOORGANIC CHEMISTRY, vol.49, no.SUPPL 1, pp.96-104, 2023 (SCI-Expanded)
- VI. **Benzimidazolone-piperazine/triazole/thiadiazole/furan/thiophene conjugates: Synthesis, in vitro urease inhibition, and in silico molecular docking studies**  
Güven O., MENTEŞE E., EMİRİK M., Sökmen B. B., AKYÜZ G.  
ARCHIV DER PHARMAZIE, vol.356, no.11, 2023 (SCI-Expanded)
- VII. **Synthesis of Some Benzimidazole-Thiophene Hybrids as Potential Urease and Lipase Inhibitors**  
YILMAZ F., MENTEŞE E., Sökmen B. B.  
Russian Journal of Bioorganic Chemistry, vol.49, no.6, pp.1293-1300, 2023 (SCI-Expanded)
- VIII. **Design and synthesis of benzimidazole derivatives as apoptosis-inducing agents by targeting Bcl-2 protein**  
Ilhan S., Camli Pulat C., Oguz F., BEKTAŞ H., MENTEŞE E., ATMACA H.  
MOLECULAR DIVERSITY, vol.27, no.4, pp.1703-1712, 2023 (SCI-Expanded)
- 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.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1278, 2023 (SCI-Expanded)
- X. **Urease Inhibition Studies of New Benzimidazoles Containing Triazole Ring**  
Akyüz G., Mentese E., Kahveci B.  
RUSSIAN JOURNAL OF GENERAL CHEMISTRY, vol.93, no.2, pp.449-454, 2023 (SCI-Expanded)
- XI. **A facile and sensitive coprecipitation method coupled with flame atomic absorption spectrometry for quantification of Cu(II) ions in complex matrices**  
ÖZDEŞ D., DURAN C., BEKTAŞ H., MENTEŞE E.  
JOURNAL OF THE SERBIAN CHEMICAL SOCIETY, vol.88, pp.301-312, 2023 (SCI-Expanded)
- XII. **Synthesis and Characterization of New Bistriazole Quinazoliniones and their Urease Inhibition**

## Activities

Akyüz G., Mentese E.

LETTERS IN ORGANIC CHEMISTRY, vol.20, no.3, pp.258-264, 2023 (SCI-Expanded)

- XIII. **Synthesis of New Coumarin-C<sub>3</sub> Benzimidazole Hybrids and Their Urease Inhibition Studies**  
Akyüz G., Mentese E.  
LETTERS IN ORGANIC CHEMISTRY, vol.20, no.9, pp.864-870, 2023 (SCI-Expanded)
- XIV. **Synthesis and Docking Studies of Novel Benzimidazole Derivatives Containing Thiophene and Triazole Rings as Potential Urease Inhibitors**  
AKYÜZ G., EMİRİK M., Sokmen B. B., MENTEŞE E.  
RUSSIAN JOURNAL OF BIOORGANIC CHEMISTRY, vol.48, no.SUPPL 1, 2022 (SCI-Expanded)
- 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.  
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.924, 2022 (SCI-Expanded)
- XVI. **Synthesis, structural, spectral, antioxidant, bioactivity and molecular docking investigations of a novel triazole derivative**  
ALAŞALVAR C., ÖZTÜRK N., GÖKCE H., Guder A., MENTEŞE E., BEKTAŞ H.  
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, vol.40, no.14, pp.6642-6655, 2022 (SCI-Expanded)
- XVII. **Structural, spectral, bioactivity, antioxidant and molecular docking (with SARS-CoV-2) analyses on a new synthesized thiosemicarbazide derivative**  
Guder A., ÖZTÜRK N., ALAŞALVAR C., GÖKCE H., MENTEŞE E., BEKTAŞ H., ALBAY C.  
INDIAN JOURNAL OF CHEMISTRY, vol.61, no.8, pp.878-894, 2022 (SCI-Expanded)
- XVIII. **Novel Coumarin Derivatives Containing a Triazole Moiety: A Study on Synthesis, Cytotoxicity, Membrane Dysfunction, Apoptosis, Cell Cycle, and Antiangiogenic Effects**  
Guner A., BEKTAŞ H., MENTEŞE E.  
ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY, vol.22, no.13, pp.2429-2438, 2022 (SCI-Expanded)
- XIX. **Metallo-phthalocyanines containing triazole substituents: Synthesis, spectroscopic and photophysicochemical properties**  
DEMİRBAŞ Ü., Ozturk D., AKÇAY H. T., DURMUŞ M., MENTEŞE E., KANTEKİN H.  
JOURNAL OF COORDINATION CHEMISTRY, vol.75, pp.629-636, 2022 (SCI-Expanded)
- XX. **Synthesis and biological evaluation of benzimidazolone bridged triheterocyclic compounds**  
MENTEŞE E., Guven O., Caliskan N., BALTAŞ N.  
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.58, no.6, pp.1259-1267, 2021 (SCI-Expanded)
- XXI. **Synthesis and anticancer activities of some new coumarin derivatives including the triazole ring and their in silico molecular docking studies**  
MENTEŞE E., GÜNER A., Polatli E., EMİRİK M., BEKTAŞ H., KAHVECİ B.  
ARCHIV DER PHARMAZIE, vol.354, no.3, 2021 (SCI-Expanded)
- XXII. **Synthesis, electrochemical and in-situ spectroelectrochemical properties of 1,2,4 triazole containing metallo-phthalocyanines**  
Akyuz D., DEMİRBAŞ Ü., KOCA A., AKÇAY H. T., MENTEŞE E., KANTEKİN H.  
JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY, vol.99, pp.99-108, 2021 (SCI-Expanded)
- 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.  
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.58, no.1, pp.260-269, 2021 (SCI-Expanded)
- XXIV. **Synthesis and pancreatic lipase inhibitory activities of some 1,2,4-triazol-5(3)-one derivatives**  
Ozdemir Y., BEKİRCAN O., BALTAŞ N., MENTEŞE E.  
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.57, no.12, pp.4239-4253, 2020 (SCI-Expanded)
- XXV. **The determination of molecular dynamic properties of Novel 5-oxo-1,2,4-triazole phthalocyanines**

**and investigation of their urease inhibition properties**

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

JOURNAL OF MOLECULAR STRUCTURE, vol.1222, 2020 (SCI-Expanded)

- 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.  
PHARMACEUTICAL CHEMISTRY JOURNAL, vol.54, pp.647-653, 2020 (SCI-Expanded)
- XXVII. **Synthesis, alpha-glucosidase inhibition and in silico studies of some 4-(5-fluoro-2-substituted-1H-benzimidazol-6-yl)morpholine derivatives**  
Menteşe E., Baltas N., Emirik M.  
BIOORGANIC CHEMISTRY, vol.101, 2020 (SCI-Expanded)
- XXVIII. **Electrochemistry of Novel Phthalocyanines Bearing 1,2,4 Triazole Groups**  
Akyuz D., DEMİRBAŞ Ü., AKÇAY H. T., MENTEŞE E., KOCA A., KANTEKİN H.  
ELECTROANALYSIS, vol.32, no.7, pp.1433-1438, 2020 (SCI-Expanded)
- XXIX. **Novel phthalocyanines bearing 1,2,4 triazole substituents: Synthesis, characterization, photophysical and photochemical properties**  
DEMİRBAŞ Ü., Ozciftci Z., Akcay H. T., MENTESE E.  
POLYHEDRON, vol.181, 2020 (SCI-Expanded)
- 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.  
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.57, no.5, pp.2234-2242, 2020 (SCI-Expanded)
- XXXI. **Synthesis and solvent-dependent photophysics of a novel fluorescent triazole-coumarin-based dye**  
Kaya M., Mentese E.  
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.57, no.4, pp.1714-1719, 2020 (SCI-Expanded)
- 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.  
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.57, no.4, pp.1806-1815, 2020 (SCI-Expanded)
- XXXIII. **Synthesis and spectroscopic characterization of novel methoxy bridged benzimidazolyl-substituted phthalocyanines as potent inhibitors of urease**  
Akcay H. T., Mentese E., Sokmen B. B.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.228, 2020 (SCI-Expanded)
- 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.  
LETTERS IN ORGANIC CHEMISTRY, vol.17, no.10, pp.806-814, 2020 (SCI-Expanded)
- 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.  
ARCHIV DER PHARMAZIE, vol.352, no.12, 2019 (SCI-Expanded)
- XXXVI. **Synthesis and Biological Evaluation of Some Succinimide Hybrid Molecules**  
Yilmaz F., Mentese E., Baltas N.  
RUSSIAN JOURNAL OF BIOORGANIC CHEMISTRY, vol.45, no.6, pp.575-584, 2019 (SCI-Expanded)
- 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.  
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.56, no.11, pp.3065-3072, 2019 (SCI-Expanded)
- 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.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1193, pp.444-449, 2019 (SCI-Expanded)
- XXXIX. **Synthesis and In Vitro Urease Inhibition of Some Novel Benzimidazole-based Hydrazones**  
Mentese E., Sokmen B. B.  
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.56, no.9, pp.2442-2448, 2019 (SCI-Expanded)
- XL. **Design, molecular docking and synthesis of novel 5,6-dichloro-2-methyl-1H-benzimidazole derivatives as potential urease enzyme inhibitors**  
Mentese E., Emirik M., Sokmen B. B.  
BIOORGANIC CHEMISTRY, vol.86, pp.151-158, 2019 (SCI-Expanded)
- 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.  
BIOORGANIC CHEMISTRY, vol.83, pp.289-296, 2019 (SCI-Expanded)
- XLII. **Novel triazole substituted phthalocyanines showing high singlet oxygen quantum yields**  
DEMİRBAŞ Ü., Bayrak R., DİLBER G., MENTESE E., Akcay H. T.  
JOURNAL OF LUMINESCENCE, vol.206, pp.199-204, 2019 (SCI-Expanded)
- 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.  
LETTERS IN DRUG DESIGN & DISCOVERY, vol.16, no.8, pp.939-947, 2019 (SCI-Expanded)
- XLIV. **Novel 1,2,4-triazole substituted metallo-phthalocyanines: Synthesis, characterization and investigation of electrochemical and spectroelectrochemical properties**  
DEMİRBAŞ Ü., Akyuz D., AKCAY H. T., KOCA A., Mentese E., KANTEKİN H.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1173, pp.205-212, 2018 (SCI-Expanded)
- XLV. **Synthesis of some novel quinazolin-4(3H)-one hybrid molecules as potent urease inhibitors**  
Mentese E., Akyuz G., Yilmaz F., Baltas N., Emirik M.  
ARCHIV DER PHARMAZIE, vol.351, no.12, 2018 (SCI-Expanded)
- XLVI. **Synthesis and Urease Inhibition Study of Some New Quinazolinone Derivatives Bearing Triazole, Thiadiazole, and Piperazine Moiety**  
Karaali N., MENTESE M., Baltas N., Mentese E.  
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.55, no.11, pp.2571-2577, 2018 (SCI-Expanded)
- XLVII. **Synthesis of some new Methoxy Bridged Benzimidazolyl-Substituted phthalocyanines as potent inhibitors of urease**  
DEMİRBAŞ Ü., Mentese E., Sokmen B. B., Bayrak R., AKCAY H. T.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.873, pp.86-90, 2018 (SCI-Expanded)
- XLVIII. **Synthesis and molecular docking study of some novel 2,3-disubstituted quinazolin-4(3H)-one derivatives as potent inhibitors of urease**  
Akyuz G., Mentese E., Emirik M., Baltas N.  
BIOORGANIC CHEMISTRY, vol.80, pp.121-128, 2018 (SCI-Expanded)
- XLIX. **Synthesis, Antioxidant, and Antibacterial Activities of Some New 2-(3-fluorobenzyl)-1H-benzimidazole Derivatives**  
Bektas H., Albay C., Sokmen B. B., Aydin S., Mentese E., Aydin G., Sen D.  
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.55, no.10, pp.2400-2407, 2018 (SCI-Expanded)
- L. **Crystal Structure of 4-[(4-Ethyl-5-Phenyl-4H-1,2,4-Triazol-3-yl)Sulfanyl]Phthalonitrile**  
Ustabas R., Coruh U., Akcay H. T., Mentese E., VAZQUEZ-LOPEZ E. M.  
JOURNAL OF STRUCTURAL CHEMISTRY, vol.59, no.5, pp.1205-1209, 2018 (SCI-Expanded)
- LI. **Green protocol: catalyst-free synthesis of 2-substituted benzimidazoles under ultrasound irradiation**  
Mentese E., kahveci B., MENTESE M.  
JOURNAL OF CHEMICAL RESEARCH, no.6, pp.329-331, 2018 (SCI-Expanded)
- 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.

INDIAN JOURNAL OF CHEMISTRY SECTION B-ORGANIC CHEMISTRY INCLUDING MEDICINAL CHEMISTRY, vol.57, no.3, pp.374-384, 2018 (SCI-Expanded)

- LIII. **Synthesis, molecular docking and biological evaluation of some benzimidazole derivatives as potent pancreatic lipase inhibitors**  
Mentese E., Yilmaz F., Emirik M., ULKER S., KAHVECİ B.  
BIOORGANIC CHEMISTRY, vol.76, pp.478-486, 2018 (SCI-Expanded)
- LIV. **SYNTHESIS AND ANTIMICROBIAL ACTIVITY OF SOME NEW TRIAZOLE BRIDGED BENZIMIDAZOLE SUBSTITUTED PHTHALONITRILE AND PHTHALOCYANINES**  
Kantar G., Mentese E., BERIS F. Ş., Sasmaz S., KAHVECİ B.  
REVUE ROUMAINE DE CHIMIE, vol.63, no.1, pp.59-65, 2018 (SCI-Expanded)
- LV. **Design, Synthesis, and Biological Evaluation of Coumarin-Triazole Hybrid Molecules as Potential Antitumor and Pancreatic Lipase Agents**  
KAHVECİ B., Yilmaz F., Mentese E., ULKER S.  
ARCHIV DER PHARMAZIE, vol.350, no.8, 2017 (SCI-Expanded)
- LVI. **A New Fluorescent "Turn-Off" Coumarin-Based Chemosensor: Synthesis, Structure and Cu-Selective Fluorescent Sensing in Water Samples**  
Karaoglu K., Yilmaz F., Mentese E.  
JOURNAL OF FLUORESCENCE, vol.27, no.4, pp.1293-1298, 2017 (SCI-Expanded)
- 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**  
Mentese E., Bektas H., Sokmen B. B., Emirik M., Cakir D., KAHVECİ B.  
BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, vol.27, no.13, pp.3014-3018, 2017 (SCI-Expanded)
- LVIII. **NEW PYRIDINE DERIVATIVES AS ANTIUREASE INHIBITORS: SYNTHESIS AND THEIR EVALUATION FOR ANTIMICROBIAL ACTIVITIES**  
Bektas H., Albay C., Mentese E., DEMİRBAŞ N.  
REVUE ROUMAINE DE CHIMIE, vol.62, no.3, pp.199-205, 2017 (SCI-Expanded)
- 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**  
Akcaay H. T., Coruh U., Bayrak R., MENTESE E., Vazquez Lopez E. M.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1127, pp.539-548, 2017 (SCI-Expanded)
- LX. **Synthesis and characterisation of some coumarin-1,2,4-triazol-3-thioether hybrid molecules**  
Yilmaz F., Mentese E.  
JOURNAL OF CHEMICAL RESEARCH, no.1, pp.4-6, 2017 (SCI-Expanded)
- LXI. **Synthesis and Antioxidant Evaluation of Some Novel Benzimidazole Derivatives Containing a Triazole Nucleus**  
Yilmaz F., Mentese E., Baltas N.  
LETTERS IN DRUG DESIGN & DISCOVERY, vol.14, no.2, pp.201-208, 2017 (SCI-Expanded)
- LXII. **Synthesis and evaluation of alpha-glucosidase and pancreatic lipase inhibition by quinazolinone-coumarin hybrids**  
Mentese E., Karaali N., Akyuz G., Yilmaz F., Ulker S., KAHVECİ B.  
CHEMISTRY OF HETEROCYCLIC COMPOUNDS, vol.52, no.12, pp.1017-1024, 2016 (SCI-Expanded)
- LXIII. **Efficient Synthesis of Benzimidazoles Containing 1,2,4-Triazol-3-One Nucleus Using Microwave Technique**  
Mentese E., KAHVECİ B.  
CHEMISTRY OF HETEROCYCLIC COMPOUNDS, vol.52, no.11, pp.948-951, 2016 (SCI-Expanded)
- LXIV. **SYNTHESIS OF NEW FLUORINE-CONTAINING 1,2,4-TRIAZOLE-5-ON DERIVATIVES WITH THEIR ANTI-UREASE, ANTI-XANTHINE OXIDASE AND ANTIOXIDANT ACTIVITIES**  
BEKİRCAN O., Baltas N., Mentese E., Gultekin E.  
REVUE ROUMAINE DE CHIMIE, vol.61, no.10, pp.733-746, 2016 (SCI-Expanded)
- 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.  
POLYHEDRON, vol.111, pp.109-117, 2016 (SCI-Expanded)
- LXVI. **A Convenient Synthesis of Bisbenzimidazoles from Iminoester Hydrochlorides Via Microwave Technique**  
KAHVECİ B., Mentese E., Ozil M., Yılmaz F., Serdar M.  
JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.53, no.3, pp.975-980, 2016 (SCI-Expanded)
- LXVII. **SYNTHESIS AND STUDY OF ANTITUMOR ACTIVITY OF SOME NEW 2-(4-METHOXYBENZYL)-1H-BENZIMIDAZOLE DERIVATIVES BEARING TRIAZOLE, OXADIAZOLE AND ETHANOL MOIETY**  
Karaali N., Mentese E.  
REVUE ROUMAINE DE CHIMIE, vol.61, no.3, pp.187-192, 2016 (SCI-Expanded)
- LXVIII. **Ferrocenyl-substituted dinuclear Cu(II) complex: Synthesis, spectroscopy, electrochemistry, DFT calculations and catecholase activity**  
EMIRIK M., KARAOGLU K., Serbest K., MENTESE E., Yılmaz İ.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1106, pp.331-342, 2016 (SCI-Expanded)
- LXIX. **EXPERIMENTAL AND THEORETICAL STUDIES OF 4-[(4-METHYL-5-PHENYL-4H1,2,4-TRIAZOL-3-YL)SULFANYL]BENZENE-1,2-DICARBONITRILE**  
Coruh U., Ustabas R., Akcay H. T., MENTESE E., VAZQUEZ LOPEZ E. M.  
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- CXLIII. **Bazı Yeni 1,2,4-Triazol 5-On Bileşiklerinin Mikrodalga Organik Sentez Yöntemi ve Klasik Yöntemle Sentezlenmesi ve Asetil Türevlerinin Eldesi**

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## Supported Projects

YILMAZ F., MENTEŞE E., TUBITAK Project, Siprofloksasin Yapısı İçeren Bazı Hibrit Moleküllerin Sentezi ve Antimikrobiyal Özelliklerinin İncelenmesi, 2018 - Continues

YILMAZ F., BERİŞ F. Ş., MENTEŞE E., Project Supported by Higher Education Institutions, Bazı Yeni Benzoksazol Hibrit Bileşiklerinin Sentezi ve Antimikrobiyal Özelliklerinin İncelenmesi, 2018 - 2020  
Menteşe E., Baltaş N., TUBITAK Project, Benzimidazolon köprülü bazı heterosiklik bileşiklerin sentezi ve enzim inhibisyon özelliklerinin incelenmesi, 2018 - 2020  
AKÇAY H. T., MENTEŞE E., Project Supported by Higher Education Institutions, N-substitüe eter köprülü imidazol içeren yeni ftalosiyanın komplekslerinin sentezi, glikozidaz ve üreaz aktivitelerinin incelenmesi, 2017 - 2018  
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## Scientific Consultations

TUBİTAK, Project Consultancy, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Kimya Bölümü, Turkey, 2015 - 2017

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## **Congress and Symposium Activities**

3. IVEK Uluslararası İlaç ve Eczacılık Kongresi, Attendee, İstanbul, Turkey, 2017

International Turkic World Conference on Chemical Sciences and Technologies, Attendee, Skopje, Macedonia, 2016

2. IVEK Uluslararası İlaç ve Eczacılık Kongresi, Attendee, İstanbul, Turkey, 2015

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