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Kurum: Amasya Teknik Bilimler Meslek Yüksekokulu / Kimya Ve Kimyasal İşleme Teknolojileri Bölümü / Kimya Teknolojisi Prog.

Uluslararası Araştırmacı ID'leri

YÖKSİS Araştırmacı ID: 18756

Eğitim Bilgileri

I. YILDIZ TEKNİK ÜNİVERSİTESİ · Doktora · Yurt İçi · 2005–2009 · FEN BİLİMLERİ ENSTİTÜSÜ · ORGANİK KİMYA (DR) · Yeni trisiklik bileşiklerin sentezlenmesi (2005–2009)

II. YILDIZ TEKNİK ÜNİVERSİTESİ · Yüksek Lisans · Yurt İçi · 2003–2005 · FEN BİLİMLERİ ENSTİTÜSÜ · ORGANİK KİMYA (YL) (TEZLİ) · N-fenil-7-oksabissiklo [2.2.1] hept-5-en-2, 3-dikarboksimid bileşiğinin Heck tipi hidroarilasyon reaksiyonları (2003–2005)

III. GAZİOSMANPAŞA ÜNİVERSİTESİ · Lisans · Yurt İçi · 1997–2001 · FEN-EDEBİYAT FAKÜLTESİ · KİMYA BÖLÜMÜ (1997–2001)

IV. MARMARA ÜNİVERSİTESİ · Önlisans · Yurt İçi · 1994–1996 · SAĞLIK HİZMETLERİ MESLEK YÜKSEKOKULU · SAĞLIK PROGRAMLARI BÖLÜMÜ (1994–1996)

Araştırma Alanları

Fen Bilimleri ve Matematik Temel Alanı · Kimya · Organik Kimya

Yönetilen Tezler

I. Antipirin türevli bileşiklerin biyolojik önemi (2022)

II. Optoelektronik özelliklere sahip yeni organik bileşiklerin sentezi (2019)

III. Yeni fulleren sentezi türevli organik bileşiklerin (2017)

Makaleler

I. New perspectives on old drugs: Bioactive potentials of pyridazine sulfa drug Schiff bases and copper(II) complexes (2026)

BAĞDATLI EMİNE, GÜL MELEK

II. Antimicrobial and antibiofilm activity of substituted pyrazoles: Design, synthesis and molecular docking studies (2026)

PELİT EMEL, GÜL MELEK, ÇELİKOĞLU EMİNE, İDİL ÖNDER, KULU İREM

III. Bioactivity of Aminoantpyrine Heterocycles: Anti-Inflammatory, Antibiofilm and Antioxidant Activities, and Admet Predictions (2026)

İDİL ÖNDER, GÜL MELEK, ÇELİKOĞLU UMUT, BUDAK MUKADDES

IV. Examination of the radiation absorption parameters of CuO coatings prepared at different ratios (2026)

ÇETİN BETÜL, POYRAZ ARZU, GÜL MELEK

V. Synthesis, SC-XRD-characterization and biological evaluation of pyrazolone derivatives (2026)

GÜL MELEK, ERYILMAZ SERPİL, BUDAK MUKADDES, ÖZEK YILDIRIM ARZU

VI. Spectroscopic and elemental evaluation of Pb(II), Cu(II), and Hg(II) binding by salvia officinalis L. leaf extract (2026)

Taşçı Huri, GÜL MELEK, BATI AY EBRU, KOCAMAN BERİL

VII. Pyrazolone-based charge transport materials: Design, synthesis, DFT predictions, and application in organic solar cell (2025)

ERYILMAZ SERPİL, GÜL MELEK, CANIMKURBEY BETÜL

VIII. Examination of Triazolinedione-Derived Dihydropyrrole Hybrid Compounds: ER Stress-Related Apoptosis in Breast Cancer Cells, Molecular Docking, and ADMET Analysis (2025)

MESCİ SEDA, AYAR ARİF, YAZGAN BURAK, GÜL MELEK, YILDIRIM TUBA

IX. Examination of Triazolinedione-Derived Dihydropyrrole Hybrid Compounds: ER Stress-Related Apoptosis in Breast Cancer Cells, Molecular Docking, and ADMET Analysis (2025)

X. Green Synthesis of Spiroindole Derivatives: Biological Evaluation and in Silico Studies (2025)

PELİT EMEL, ÇELİKOĞLU UMUT, GÜL MELEK

XI. Enzymatic Synthesis and Functionalization of 2-Aminofluorene-Based Compounds with Multi-Walled Carbon Nanotubes (MWCNT) for Enhanced Performance in Organic Solar Cells (2025)

CANIMKURBEY BETÜL, TAŞ RECEP, GÜL MELEK

XII. Evaluation of Novel Hydrazone-Imide Hybrid Compound as HNE Inhibitor In Silico: Synthesis, XRD and DFT Analysis (2024)

ERYILMAZ SERPİL, GÜL MELEK, ÖZEK YILDIRIM ARZU

XIII. Investigation of the Effects of Lycorine and Galanthamine Extracted from Galanthus elwesii on Viral and Parasitic Targets: An In-Silico Analysis and DFT Study (2024)

GÜL MELEK, BATI AY EBRU

XIV. 1,3-Naphthoxazine derivatives: Synthesis, in silico pharmacokinetic studies, antioxidant and photoprotective properties (2024)

PELİT EMEL, GEDİZ ERTÜRK ALİYE, GÜL MELEK

XV. Downregulation of HSP27 by isoindole-derived pyrrolidines suppressing multidrug resistance (MDR) and inducing apoptosis in MCF-7 and DLD-1 cell lines (2024)

MESCİ SEDA, YAZGAN BURAK, GÜL MELEK, YILDIRIM TUBA

XVI. Novel alkyne chromophore of the isophorone derivatives: synthesis, electrochemical evaluation, DFT, and processable bottom contact/top-gate OFET applications (2024)

CANIMKURBEY BETÜL, Kamsız MerveNur, ERYILMAZ SERPİL, GÜL MELEK

XVII. Antioxidant Activity of Merzifon Black Grape Variety (Vitis vinifera L.) (2023)

Kurt Gülhan, ÖZTÜRK İLKAY, GÜL MELEK

XVIII. Synthesis, antimicrobial activity and molecular docking studies of spiroquinoline-indoline-dione and spiropyrazolo-indoline-dione derivatives (2023)

GÜL MELEK, ÇELİKOĞLU EMİNE, İDİL ÖNDER, Taş Gamze, PELİT EMEL

XIX. Boraboy Lake from Amasya Turkey: natural radioactivity and heavy metal content in water, sediment, and soil (2022)

ÇETİN BETÜL, CANIMKURBEY BETÜL, GÜL MELEK

XX. Effects of Sulfur Containing Glycine Imine Derivatives Compounds on Multidrug Resistance Proteins (MRPs) and Apoptosis Mechanism in MCF-7 and DLD-1 Cell Lines (2022)

MESCİ SEDA, YAZGAN BURAK, GÜL MELEK, YILDIRIM TUBA

XXI. Antioxidant, Cytotoxic Activity and Pharmacokinetic Studies by Swiss Adme, Molinspiration, Osiris and DFT of PhTAD-substituted Dihydropyrrole Derivatives (2022)

AYAR ARİF, MESCİ SEDA, Akşahin Maşuk, YAZGAN BURAK, GÜL MELEK, YILDIRIM TUBA

XXII. Investigation of antioxidant activity and effect on cell viability of pyrrolidine compounds in MCF-7 (breast cancer) and DLD-1 (colon cancer) cell lines (2021)

MESCİ SEDA, GÜL MELEK, YILDIRIM TUBA

XXIII. Antioxidant and cytotoxic activity studies of sulfur containing glycine imine derivatives MCF-7 and DLD-1 cell lines (2021)

MESCİ SEDA, GÜL MELEK, YILDIRIM TUBA

XXIV. Application of organic photovoltaic cell: poly(2-aminofluorene)/multi-walled carbon nanotube composites (2021)

Baldemir Muhammed Abdullah, Topuksak Hanife, TAŞ RECEP, GÜL MELEK, CANIMKURBEY BETÜL

XXV. A Multidisciplinary Approach to Coronavirus Disease (COVID-19) (2021)

GEDİZ ERTÜRK ALİYE, ŞAHİN ARZU, BATI AY EBRU, PELİT EMEL, BAĞDATLI EMİNE, KULU İREM, GÜL MELEK, MESCİ SEDA, ERYILMAZ SERPİL, OBA İLTER ŞİRİN, YILDIRIM TUBA

XXVI. PhTAD-Substituted Dihydropyrrole Compounds Regulate Apoptotic Cell Death in MCF-7 Cells (2021)

YAZGAN BURAK, MESCİ SEDA, Akşahin Maşuk, AYAR ARİF, GÜL MELEK, YILDIRIM TUBA

XXVII. Antioxidant and cytotoxic activity of isoindole compounds in breast cancer cells (MCF-7) (2020)

MESCİ SEDA, GÜL MELEK, ERYILMAZ SERPİL, Lis Tadeusz, Sławomir Szafert, YILDIRIM TUBA

XXVIII. Derivatives of pyridine and thiazole hybrid: Synthesis, DFT, biological evaluation via antimicrobial and DNA cleavage activity (2020)

ERYILMAZ SERPİL, ÇELİKOĞLU EMİNE, İDİL ÖNDER, İNKAYA ERSİN, Kozak Zehra, Mısır Ender, GÜL MELEK

XXIX. Synthesis, Antioxidant Activity and Theoretical Investigation of Isoxazolines Derivatives of Monoterpenoids (2019)

GÜL MELEK, ERYILMAZ SERPİL

XXX. Synthesis, solar cell application, and biological study of vinyl substituted isophorone derivatives (2019)

Kozak Zehra, Piravadalı Mucur Selin, CANIMKURBEY BETÜL, İDİL ÖNDER, ERYILMAZ SERPİL, GÜL MELEK

XXXI. In vitro study on antioxidant, antibacterial and DNA interaction activities of extracts from *Arbutus andrachne* L. (2019)

BAŞKAN CEREN,Duygu Kılıç Dudu,SIRIKEN BELGİN,TANRIKULU GÜLER İNCİ,GÜL MELEK,ERTÜRK ÖMER

XXXII. Phytochemical Analyses and Antioxidant Activity of a Tradional food Source: Dwarf Nettle (*Urtica Urens* L.) (2019)

BAĞDATLI EMİNE,GEDİZ ERTÜRK ALİYE,GÜL MELEK

XXXIII. Investigation of global reactivity descriptors of some perillaldehyde derivatives in different solvents by DFT method (2019)

ERYILMAZ SERPİL, GÜL MELEK, İNKAYA ERSİN

XXXIV. Antibacterial, Antioxidant and DNA Interaction Properties of *Cistus creticus* L. Extracts (2019)

KILIÇ DUDU DUYGU,SIRIKEN BELGİN,ERTÜRK ÖMER,TANRIKULU GÜLER İNCİ,GÜL MELEK,BAŞKAN CEREN

XXXV. Photophysical Characterization of *Galanthus elwesii* Hook (2019)

BATI AY EBRU,GÜL MELEK,KOCAMAN BERİL,AÇIKGÖZ MUHAMMED AKİF

XXXVI. PHYTOCHEMICAL SCREENING AND IN-VITROANTIOXIDANT, ANTIMICROBIAL ACTIVITY AND DNAINTERACTION OF *LEUCOJUM AESTIVUM* (2018)

Ozgun Hundur Dilber,İDİL ÖNDER,KANDEMİR NEZAHAT,GÜL MELEK,KONAR VAHİT

XXXVII. Assessment of Antioxidant Activity of Giant Snowdrop (*Galanthus elwesii* Hook) Extracts with Their Total Phenol and Flavonoid Contents (Q3) (2018)

BATI AY EBRU,GÜL MELEK,AÇIKGÖZ MUHAMMED AKİF,YARILGAÇ TARIK,KARA ŞEVKET METİN

XXXVIII. α -Amination and the 5-exo-trig cyclization reaction of sulfur-containing Schiff bases with N - phenyltriazolinedione and their anti-lipid peroxidation activity (2017)

PELİT EMEL,Oikonomou Kosmas,GÜL MELEK,Giorgiou Dimitra,Szafert Slawomir,Katsamakos Sotirious,HadjipavlouLitina Dimitra,Elmes Yiannis

XXXIX. Synthesis of PhTAD-substituted dihydropyrrole derivatives via stereospecific C–H amination (2017)

GÜL MELEK,Elmes Yiannis,PELİT EMEL,Dernektski Eleni,Giorgiou Dimitra,Oikonomou Kosmas,Lis Tadeusz,Szafert Slawomir

XL. The Computational Study on (E)-3-(2-Chlorostyryl)-5,5-Dimethylcyclohex-2-Enone (2017)

ERYILMAZ SERPİL,GÜL MELEK,Kozak Zehra,İNKAYA ERSİN

XLI. Evaluation of phytochemical content, antioxidant, antimicrobial activity and DNA cleavage effect of endemic *Linaria corifolia* Desf. (Plantaginaceae) (2017)

GÜL MELEK,ÖZTÜRK ÇALI İLKAY,CANSARAN ARZU,İDİL ÖNDER,KULU İREM,ÇELİKOĞLU UMUT

XLII. Aldol türevi izoforan yapılarının sentezi, spektral karakterizasyonu, teorik analizi ve antioksidan aktiviteleri (2017)

ERYILMAZ SERPİL,GÜL MELEK,İNKAYA ERSİN

XLIII. Isoxazole derivatives of alpha pinene isomers Synthesis crystal structure spectroscopic characterization FT IR NMR GC MS and DFT studies (2016)

ERYILMAZ SERPİL,GÜL MELEK,İNKAYA ERSİN,TAŞ MURAT

XLIV. Synthesis crystal structure analysis spectral characterization quantum chemical calculations antioxidant and antimicrobial activity of 3 4 chlorophenyl 3a 4 7 7a tetrahydro 4 7 methanobenzo d isoxazole (2016)

ERYILMAZ SERPİL,GÜL MELEK,İNKAYA ERSİN,İDİL ÖNDER,ÖZDEMİR NAMIK

XLV. THE INVESTIGATION OF SPECTROSCOPIC AND THEORETICAL METHODS OF BISISOXAOLINE DERIVATIVE OF NORBORNADIEN (2016)

ERYILMAZ SERPİL,Mesci Kerem,GÜL MELEK,İNKAYA ERSİN

XLVI. Synthesis of Spirocyclic and Tricyclic Isoxazoline via 1 3 Dipolar Cycloaddition Reactions (2014)

GÜL MELEK,TUTAR AHMET

XLVII. Reductive Heck Reactions and 3 2 Cycloadditions of Unsaturated N N Bistricyclic Imides (2013)

GÜL MELEK,KULU İREM,GÜNKARA ÖMER TAHİR,ÖCAL SUNGUROĞLU ZEHRA NÜKET

XLVIII. Evaluation of the Antioxidative Properties of N Acylamino Substituted Tricyclic Imides (2013)

GÜL MELEK,KULU İREM,PEKSEL AYŞEGÜL,ÖCAL SUNGUROĞLU ZEHRA NÜKET

XLIX. Hydroarylation reactions of 1 N 1 acylaminosubstituted tricyclic imides (2013)

GÜL MELEK,KULU İREM,ÖCAL SUNGUROĞLU ZEHRA NÜKET

L. Cycloaddition Reactions of Some Tricyclic Imides (2013)

KULU İREM,GÜL MELEK,GÜNKARA ÖMER TAHİR,ÖCAL SUNGUROĞLU ZEHRA NÜKET

LI. Heck type hydroarylations and 1 3 dipolar cycloaddition reactions of new tricyclic hydrazones (2010)

GÜL MELEK,ÖCAL SUNGUROĞLU ZEHRA NÜKET

LII. Hydroarylation of bicyclic unsaturated dicarboximides access to aryl substituted bridged perhydroisoindoles (2008)

Göksu Gökce,GÜL MELEK,ÖCAL SUNGUROĞLU ZEHRA NÜKET, Kaufmann Dieter E

Bildiriler

I. DESIGN, SYNTHESIS, AND ANTIOXIDANT ACTIVITY EVALUATION OF A NOVEL BISTRICYCLIC OXALAMIDE COMPOUND: IN VITRO AND IN SILICO STUDIES (2026)

ERYILMAZ SERPİL, GÜL MELEK

II. AN IN SILICO EVALUATION OF NOVEL THIAZOLE DERIVATIVE COMPOUNDS MODELLED WITH A FRAGMENT-BASED APPROACH (2026)

ERYILMAZ SERPİL, GÜL MELEK, KULU İREM

III. Synthesis of Novel Triazolopyridazine/Pyrimidine Derivatives and Investigation of Inhibitor Effects on Receptor Tyrosine Kinase c-Met (2024)

Hamur Beyza, KULU İREM, GÜL MELEK, ALTUNDAŞ RAMAZAN

IV. Optimizing Textile Dye Adsorption with Organic-Doped Montmorillonite: A Comprehensive Study (2024)

GÜL MELEK

V. - Investigation of the Effects of Lycorine and Galanthamine Extracted from Galanthus elwesii on Viral and Parasitic Targets: An In-Silico Analysis and DFT Study (2024)

GÜL MELEK, BATI AY EBRU

VI. SYNTHESIS, ANTIOXIDANT ACTIVITY, AND PHARMACOKINETIC PROPERTIES OF NOVEL 1,2-DIHYDROPYRAZOL-3-ONE DERIVATIVES AS POTENTIAL NITRIC OXIDE SYNTHASE INHIBITORS (2023)

GÜL MELEK, BUDAK MUKADDES, BATI AY EBRU, ERYILMAZ SERPİL

VII. POTENTIAL OF HYDRAZONE DERIVATIVE COMPOUND AS AN ANTIOXIDANT DRUG: A COMPUTATIONAL STUDY (2023)

ERYILMAZ SERPİL, GÜL MELEK

VIII. SYNTHESIS, ANTIMICROBIAL EVALUATION AND DOCKING SIMULATIONS OF OXINDOLE DERIVATIVES (2023)

PELİT EMEL, GÜL MELEK, ÇELİKOĞLU EMİNE, İDİL ÖNDER

IX. Quinacridone/TPE Based Molecules Thermally Activated Delayed Fluorescence Emitters for Efficient OLEDs (2023)

GÜL MELEK, Skabara Peter

X. Green Synthesis of Spiro Compounds and Their Biological

Evaluation (2023)

PELİT EMEL, GÜL MELEK

XI. 4-AMİNOANTİPİRİN TÜREVLİ BİLEŞİKLERİN SENTEZİ KAREKTERİZASYONU VE İNSİLİKO YÖNTEMLERLE FARMAKOKİNETİK ÖZELLİKLERİNİN BELİRLENMESİ (2022)

BUDAK MUKADDES, GÜL MELEK

XII. Regulatory Role of Pyrrolidine Derivatives on Heat Shock Proteins (HSPs) in

MCF-7 and DLD-1 Cell Lines (2021)

MESCİ SEDA, YAZGAN BURAK, GÜL MELEK, YILDIRIM TUBA

XIII. Apoptosis and cytotoxic activity studies of glycine imine derivatives in DLD-1 cell line (2021)

MESCİ SEDA, YAZGAN BURAK, GÜL MELEK, YILDIRIM TUBA

XIV. Investigation of cytotoxic activity and heat shock proteins expression of PhTAD-substituted dihydropyrrolederivatives in MCF-7 breast cancer cell line (2020)

Akşahin Maşuk, YAZGAN BURAK, MESCİ SEDA, AYAR ARIF, GÜL MELEK, YILDIRIM TUBA

XV. The effect of phosphorus and zinc fertilization on lycorine and galantamine accumulation in the Giant Snowdrops (2020)

BATI AY EBRU, KARA ŞEVKET METİN, GÜL MELEK, AÇIKGÖZ MUHAMMED AKİF

XVI. Effects of sulfur containing glycine imine derivatives on the apoptotic mechanism in MCF-7 cell lines (2020)

MESCİ SEDA, YAZGAN BURAK, GÜL MELEK, YILDIRIM TUBA

XVII. Cytotoxic activity studies by RTCA assay of sulfur containing glycine imine derivatives in the MCF-7 cell line (2020)

MESCİ SEDA, YAZGAN BURAK, GÜL MELEK, YILDIRIM TUBA

XVIII. THE EFFECT of PHOSPHORUS and ZINC FERTILIZATION on LYCORINE and GALANTAMINE ACCUMULATION in GIANT SNOWDROP (2020)

BATI AY EBRU, KARA ŞEVKET METİN, GÜL MELEK, AÇIKGÖZ MUHAMMED AKİF

XIX. The effect of dihydropyrrole derivatives compounds on apoptotic activity in the breast cancer cell line (2020)

XX. Determination effects on multidrug resistance proteins (MRPs) of glycine imine derivative compounds in breast cancer (MCF-7) and colon cancer (DLD-1) cells (2020)

MESCİ SEDA, YAZGAN BURAK, GÜL MELEK, YILDIRIM TUBA

XXI. Investigation effects on heat shock proteins (HSPs) of glycine imine derivative compounds in MCF-7 and DLD-1 cells (2020)

MESCİ SEDA, YAZGAN BURAK, GÜL MELEK, YILDIRIM TUBA

XXII. Antioxidant and Cytotoxic Activity Studies of MCF-7 Cell Line of PhTAD-substituted Dihydropyrrole Derivatives Compounds (2019)

AKŞAHİN MAŞUK, AYAR ARİF, GÜL MELEK, MESCİ SEDA

XXIII. Determination of Photophysical Properties of 2-Amino Fluorene Based on Solar Cell Candidate Compounds (2019)

Topuksak Hanife, CANIMKURBEY BETÜL, TAŞ RECEP, GÜL MELEK

XXIV. PALLADIUM-CATALYZED HECK REACTION OF THE THIAZOLE USING TPAs (2019)

Kozak Zehra, GÜL MELEK, KARTAL ERSOY FATMA

XXV. New thiazol-pyridine hybrids targeting antimicrobial and antioxidant (2019)

GÜL MELEK, ERYILMAZ SERPİL, İDİL ÖNDER

XXVI. THE SPECTROSCOPIC PROPERTIES OF ISOXAZOLOPYRIDINE AND SPIROOXINDOLE DERIVATIVES (2018)

PELİT EMEL, GÜL MELEK

XXVII. THE SPECTROSCOPIC PROPERTIES OF PYRAZOLOPYRIDINE DERIVATIVES (2018)

PELİT EMEL, GÜL MELEK

XXVIII. Screening of total phenolic and flavonoid content of *Urtica urens* L. (2018)

GEDİZ ERTÜRK ALİYE, BAĞDATLI EMİNE, GÜL MELEK

XXIX. Küçük yapraklı ısırgan bitkisinin (*Urtica urens*) toprak üstü kısmının antioksidan aktivitesinin değerlendirilmesi (2018)

BAĞDATLI EMİNE, GEDİZ ERTÜRK ALİYE, GÜL MELEK

XXX. Structural and Gamma-ray Shielding Properties of Propolis (2018)

CANIMKURBEY BETÜL, ERTAN BETÜL, GÜL MELEK

XXXI. Synthesis and photophysical characterization of vinyl group having aromatic-heteroaromatic units (2018)

CANIMKURBEY BETÜL, ERYILMAZ SERPİL, GÜL MELEK

XXXII. Stiren türevli (E)-3-(4-(ter-bütil)stiril)-5,5-dimetilsikloheks-2-enon Bileşiğinin Antimikrobiyal Aktivite ve Spektroskopik Özelliklerinin İncelenmesi (2018)

ERYILMAZ SERPİL, GÜL MELEK, İDİL ÖNDER, İNKAYA ERSİN

XXXIII. Antioxidant and Cytotoxic Activity Studies of Sulfur Containing Glycine Imine Derivatives (2018)

MESCİ SEDA, GÜL MELEK, YILDIRIM TUBA

XXXIV. Photochemical Properties Of Flavonoids Extracted from *Galanthus elwesii* Hook. (2018)

BATI AY EBRU, GÜL MELEK, KOCAMAN BERİL, AÇIKGÖZ MUHAMMED AKİF, KARA ŞEVKET METİN

XXXV. Determination of the Heavy Metals in Water of Amasya Boraboy Lake (Turkey) (2018)

ÇETİN BETÜL, CANIMKURBEY BETÜL, KARPUZ NURDAN, GÜL MELEK

XXXVI. Synthesis, Spectroscopic Characterization and Molecular Modeling Study on the Tricyclic Oxalamide and Succinimide Compounds. (2018)

ERYILMAZ SERPİL, GÜL MELEK, İNKAYA ERSİN

XXXVII. Synthesis of conjugate dienone system for organic solar cell. (2018)

GÜL MELEK, CANIMKURBEY BETÜL

XXXVIII. Evaluation of new alkyne based compounds for optoelectronic properties (2018)

GÜL MELEK, Kamsız Merve Nur, CANIMKURBEY BETÜL

XXXIX. Yeni Bisbisiklik Sistemlerin Sentezlenmesi Ve C-N Bağlanma Tepkimelerinde Katalitik Aktivitesi (2018)

GÜL MELEK

XL. Galantamine and lycorine contents and antioxidant activities of the Turkish giant snowdrop (2018)

BATI AY EBRU, GÜL MELEK, KOCAMAN BERİL, AÇIKGÖZ MUHAMMED AKİF, KARA ŞEVKET METİN

XLI. The Determination of NMR spectra of Rhamnosyl Substituted Apigenin (2017)

GÜL MELEK, KULU İREM

XLII. *Leucojum aestivum* Ekstraktlarının Antioksidan Aktiviteleri ve Flavonoid İçeriklerinin Belirlenmesi (2017)

İDİL ÖNDER, GÜL MELEK, Özgün Dilber, KONAR VAHİT

XLIII. Synthesizing Optoelectronic Ethynylstyryl substituted of Cyclohexenone Derivatives via Sonogashira Cross-Coupling Reaction (2017)

Kamsız Merve Nur, GÜL MELEK

XLIV. New Molecules Including N,N'-Bis-tricyclic Imides and Characterization by 2D NMR (2017)

XLV. Aril Substitutue Trisiklik İmidlerin Sentezi ve Antioksidan Aktiviteleri (2017)

KULU İREM,GÜL MELEK,ÖCAL SUNGUROĞLU ZEHRA NÜKET,PEKSEL AYŞEGÜL

XLVI. Bazı Oksovanadyum(IV) Bileşiklerinin ve Ligant Yapılarının Antioksidan Özelliklerinin Belirlenmesi' (2017)

BAĞDATLI EMİNE,GÜL MELEK

XLVII. Isophrone DerivativesSynthesis of the 1,3-Dipolar Cycloaddition and AldolReaction, Optoelectronic Properties and Formation of Solar Cell (2017)

KOZAK ZEHRA,CANIMKURBEY BETÜL,GÜL MELEK

XLVIII. Assessment of antioxidant of giant snowdrop (Galanthus elwesii Hook) extracts with their total phenol and flavonoid contents (2017)

BATI AY EBRU,AÇIKGÖZ MUHAMMED AKİF,GÜL MELEK,YARILGAÇ TARIK,KARA ŞEVKET METİN

XLIX. The Investigation of Global and Local Reactivity Descriptors of Some Perillaldehyde Derivatives in Different Solvents by DFT Method (2017)

ERYILMAZ SERPİL,GÜL MELEK

L. The Spectral and Theoretical Characterization of (Z)-2-((4-(prop-1-en-2-yl)cyclohex-1-en-1-yl)methylene)hydrazinecarboxamide (2017)

ERYILMAZ SERPİL, GÜL MELEK, İNKAYA ERSİN

LI. The Investigation of Physical and Chemical Structure Properties of the (1E,2Z)-1-(4-nitrobenzylidene)-2-[4-(propan-2-yl)benzylidene]hydrazine with Spectroscopic Techniques and Quantum Chemical Computational Methods (2017)

İNKAYA ERSİN, GÜL MELEK, ERYILMAZ SERPİL

LII. The Investigation of Physical and Chemical Structural Properties of Some Perillaldehyde Derivatives with Quantum Chemical Computational Methods (2017)

MISIR ENDER, ERYILMAZ SERPİL, GÜL MELEK, İNKAYA ERSİN

LIII. Bazı İzoforan Türevlerinin Yapısal Özelliklerinin Spektroskopik ve Kuramsal Yöntemler ile İncelenmesi (2017)

ERYILMAZ SERPİL, GÜL MELEK, İNKAYA ERSİN

LIV. Biyolojik Öneme Sahip Triazolidin Türevli Dihidropirol Bileşiklerinin Antimikrobiyal Aktivite ve Spektroskopik Özelliklerinin İncelenmesi (2017)

ERYILMAZ SERPİL, GÜL MELEK, İDİL ÖNDER, İNKAYA ERSİN

LV. Determination of Heavy Metals and Natural Radioactivity Concentration Level in Sediment samples of the Boraboy Lake (Amasya), Turkey (2017)

ÇETİN BETÜL, KARPUZ NURDAN, GÜL MELEK

LVI. Stereospecific C-H Amination by An Electrophilic Interruption of A Stepwise [1,3-H]Shift (2017)

GÜL MELEK

LVII. Antioxidative Properties of a Special traditional food Plant Roots Urtica Urens (2016)

BAĞDATLI EMİNE,GEDİZ ERTÜRK ALİYE,GÜL MELEK

LVIII. Bisizoksazolin Türevlerinin Spektroskopik ve Kurumsal Yöntemler İle İncelenmesi (2016)

Mesci Kerem,ERYILMAZ SERPİL,GÜL MELEK,İNKAYA ERSİN

LIX. Domino Azometin İlid Katılma Reaksiyonuyla Bisiklik Piroolidin Türevlerinin Eldesi (2016)

GÜL MELEK,Elemes Yiannis

LX. Synthesis and electronic properties of new verbenone derivatives (2016)

GÜL MELEK,ERYILMAZ SERPİL

LXI. Fullerene and Flavour Fragrances Compound Interaction Formation of Solar Cell (2016)

Kozak Zehra,GÜL MELEK,CANIMKURBEY BETÜL

LXII. Electronical Properties of Fullerene Derivatives; via Radiation Energy (2016)

Kozak Zehra, GÜL MELEK, ÇETİN BETÜL

LXIII. İzoksazol Türevli Biyolojik Aktif Karveol Bileşiklerinin Sentezi (2015)

GÜL MELEK

LXIV. Synthesis and dpsh radical scavenging activity of isophrone derivatives obtained from oxime and aldehyde (2015)

GÜL MELEK

LXV. 3 2 CYCLOADDITIONS OF UNSATURATED N N BISTRICYCLIC IMIDES (2015)

GÜNKARA ÖMER TAHİR,GÜL MELEK,İrem Kulu,ÖCAL SUNGUROĞLU ZEHRA NÜKET

LXVI. Ultrasound assisted 1 3 dipolar mono domino cycloaddition of norbornene and 2 5 norbornadiene (2015)

GÜL MELEK,ERYILMAZ SERPİL

LXVII. SYNTHESIS AND ANTIOXIDANT ACTIVITY OF SOME BIOLOGICAL ACTIVE COMPOUNDS ARISING FROM 3 2 CYCLOADDITIONS USING SULPHUR SUBSTITUTED AZOMETHINE YLIDES AND NITRILE OXIDES (2015)

GÜL MELEK,Elemes Yiannis

LXVIII. İzoksazol Türevli Norbornadien ve Norbornen Bileşiklerinin Sentezi, Biyolojik Önemi ve Teorik Yöntemlerle

İncelenmesi (2015)

ERYILMAZ SERPİL, GÜL MELEK, İNKAYA ERSİN, İDİL ÖNDER, ÖZDEMİR NAMIK

LXIX. İzoksazol Türevli Alfa Pinen Bileşiklerinin Sentezi Karakterizasyonu ve Biyolojik Önemi (2014)

GÜL MELEK, ERYILMAZ SERPİL

LXX. Endemik Linaria corifolia Desf Scrophulariaceae Bitkisinin Uçucu Yag Bilesiminin Belirlenmesi ve Biyolojik Aktivite Çalışmaları (2013)

GÜL MELEK

LXXI. Yeni Limonen Türevli Bisiklik İzoksazolin Bileşiklerinin Sentezi ve DFT Çalışmaları (2013)

M ÖZGE KARAŞALLI, GÜL MELEK, ERYILMAZ SERPİL

LXXII. N N Bistrisiklik İmidlerin İndirgen Heck Reaksiyonları ve 3 2 Siklokatılma Reaksiyonları (2013)

KULU İREM, GÜL MELEK, GÜNKARA ÖMER TAHİR, ÖCAL SUNGUROĞLU ZEHRA NÜKET

LXXIII. Biyolojik Aktivite Gösterebilecek İzoksazol Substitue Trisiklik İmidlerin Sentezi ve Antioksidan Aktiviteleri (2013)

KULU İREM, GÜL MELEK, PEKSEL AYŞEGÜL, ÖCAL SUNGUROĞLU ZEHRA NÜKET

LXXIV. Efficient Copper Catalyzed Direct Amination of Aryl Halides Using PTC with New Ligands (2012)

GÜL MELEK, Zulfikaroğlu Ayşin

LXXV. New Bicyclic Tricyclic Isoxazoline Compounds (2012)

GÜL MELEK, ÖCAL SUNGUROĞLU ZEHRA NÜKET, TUTAR AHMET

LXXVI. Kamfen Alfa pinen ve Beta pinen Bileşiklerinin Yeni İzoksazolin Türevlerinin Sentezi (2011)

GÜL MELEK, TUTAR AHMET

LXXVII. AZA ENE REACTIONS OF TRIAZOLINEDIONE (2011)

GÜL MELEK, Elmes Yiannis

LXXVIII. Yeni Trisiklik Hidrazon Bileşiklerinin İndirgen Heck ve 1 3 Dipolar SikloKatılma Reaksiyonları (2009)

GÜL MELEK, ÖCAL SUNGUROĞLU ZEHRA NÜKET

LXXIX. Trisiklik Hidrazon Türevlerinin Sentezi ve İndirgen Heck Reaksiyonları (2008)

GÜL MELEK, ÖCAL SUNGUROĞLU ZEHRA NÜKET

LXXX. Azabisiklik ve Trisiklik Alkenlerin Paladyum II Asetat Katalizörlüğünde Heck Reaksiyonları (2007)

ÖCAL SUNGUROĞLU ZEHRA NÜKET, YOLAÇAN ÇİĞDEM, BAĞDATLI EMİNE, GÜL MELEK, KULU İREM, Gökse Gökçe

LXXXI. Heck TypeHydroarylation Reactions of N Phenyl 7 oxobicyclo 2 2 1 hept 5 ene 2 3 dicarboximide (2006)

GÜL MELEK, ÖCAL SUNGUROĞLU ZEHRA NÜKET, Kaufmann Dieter E

Projeler

I. İnsan Küçük Hücreli Dışı Akciğer Karsinomu İçin Egfr-Hsp Hedefli

Antikanser İlaç Adayı Moleküllerin Geliştirilmesi (2025)

SAFİYE ERDEM, KÜBRA AÇIKALIN COŞKUN, YUSUF TUTAR, MELEK GÜL, İREM KULU

II. Sürdürülebilir Arıtmada Yenilikçi Bir Yaklaşım: Yeşil Kimya Prensipleri ile Tasarlanan Antipirin Temelli Kemosensörler (2025)

MELEK GÜL, EMİNE BAĞDATLI

III. Triazolopiridazin/pirimidin türevlerinin sentezi ve reseptör tirozin kinaz C-met inhibitörü etkilerinin incelenmesi (2023)

ELİF DAMLA ARISAN, RAMAZAN ALTUNDAŞ, AHMET CEYHAN GÖREN, MELEK GÜL, İREM KULU

IV. Potansiyel Biyoaktif Bileşiklerin Sentezi, in-Silico ve Moleküler Kenetlenme Çalışmaları (2023)

MELEK GÜL, EMİNE BAĞDATLI

V. One Health drugs against parasitic vector borne diseases in Europe and beyond (OneHealthdrugs) (2022)

MARIA PAOLA COSTI, MELEK GÜL

VI. Biyolojik aktif olabilecek 3,5-disübstiue pirazol- kinolin ve 3,5-disübstiue izoksazol-kinolin hibrit bileşiklerin sentezleri (2020)

MELEK GÜL, İREM KULU

VII. Optoelektronik Cihazlara Uygulanabilecek Potansiyele Sahip 5-Pirazolon Türevli Bileşiklerin Sentezi (2019)

BETÜL CANIMKURBEY, SERPİL ERYILMAZ, MELEK GÜL

VIII. Optoelektronik Cihazlara Uygulanabilecek Potansiyele Sahip 5-Pirazolon Türevli Bileşiklerin Sentezi (2019)

SERPİL ERYILMAZ, BETÜL CANIMKURBEY, MELEK GÜL

IX. Piridin SubstitueTiyazol Bileşiklerinin Pd Katalizörlü Yöntemlerle Türevlendirilmesi (2018)

BETÜL CANIMKURBEY, SERPİL ERYILMAZ, FATMA KARTAL ERSOY, MELEK GÜL

X. 3. Organik Elektronik Çalıştayı (2018)

BETÜL CANIMKURBEY, SEVGİ MARAKLI, MELEK GÜL

XI. MCF-7 Hücre Hattında PhTAD Türevli Dihidro Pirok Bileşiklerinin Anti-Kanser Aktivitesi (2018)

BURAK YAZGAN, MELEK GÜL, TUBA YILDIRIM, ARIF AYAR

XII. Heterohalkalı Bileşiklerin DLD-1 (Kolon Kanseri) ve CCD-18Co (Normal Kolon Epiteli) Hücrelerinde Çoklu İlaç Direncine (MDR) Etkileri (2018)

MELEK GÜL, SEDA MESÇİ, BURAK YAZGAN, TUBA YILDIRIM

XIII. Piridin Substitue Tiyazol Bileşiklerinin Pd Katalizörlü Yöntemlerle Türevlendirilmesi (2018)

FATMA KARTAL ERSOY, MELEK GÜL

XIV. Kinolin-triazol grupları içeren heterosiklik hibrid bileşiklerin sentezi (2018)

MELEK GÜL, FATMA ALBAYRAK, İREM KULU

XV. 3. Organik Elektronik Çalıştayı (2018)

TUBA YILDIRIM, BETÜL CANIMKURBEY, MELEK GÜL

XVI. 2023 Vizyonunda Üniversitelerin Araştırma Laboratuvarları Çalıştayı-V (2018)

MELEK GÜL, SEVGİ MARAKLI, BETÜL CANIMKURBEY, ERSİN İNKAYA

XVII. Bağlanma reaksiyonlarıyla Karbazol ve izoforon Türevli Organik Bileşiklerin Sentezi ve Uygulamaları (2017)

İREM KULU, MELEK GÜL

XVIII. Bağlanma Reaksiyonlarıyla Karbazol ve İzoforan Türevli Organik Bileşiklerin Sentezi ve Uygulamaları (2017)

SERPİL ERYILMAZ, BETÜL CANIMKURBEY, MERVENUR KAMSIZ, ERSİN DEMİR, İREM KULU, MELEK GÜL

XIX. Bağlanma Reaksiyonlarıyla Karbazol ve İzoforan Türevli Organik Bileşiklerin Sentezi ve Uygulamaları (2017)

BETÜL CANIMKURBEY, MELEK GÜL

XX. Boraboy Gölü (Amasya) Tortu ve Göl Sularında Ağır Metaller ve Doğal Radyoaktivite Konsantrasyon Seviyesinin Belirlenmesi (2017)

NURDAN KARPUZ, MELEK GÜL, BETÜL ÇETİN

XXI. Yeni Fulleren Türevli İzoforan Bileşiklerinin Sentezi (2016)

SERPİL ERYILMAZ, Zehra Kozak, MELEK GÜL

XXII. Peril Aldehit Türevlerinin Spektroskopik ve Kuramsal Yöntemler Kullanılarak İncelenmesi (2016)

Ender Mısıır, ERSİN İNKAYA, MELEK GÜL, SERPİL ERYILMAZ

XXIII. Türkiye, Giresun-Karagöl Yaylasında Yayılış Gösteren Hatuncuk Isırganı'nın (Urtica urens) Sekonder Metabolit Tayini ve Antioksidan Özelliklerinin in-vitro İncelenmesi (2016)

ALİYE GEDİZ ERTÜRK, MELEK GÜL, EMİNE BAĞDATLI

XXIV. Türkiye Giresun Karagöl Yaylasında Yayılış Gösteren Hatuncuk Isırganı'nın Urtica urens Sekonder Metabolit Tayini ve Antioksidan Özelliklerinin in vitro İncelenmesi (2015)

XXV. İzoforon Yapısının Organik Kimya Açısından İncelenmesi (2014)

XXVI. BİSİKLIK SİSTEMLERDE 1 3 DİPOLAR NİTRİL OKSİT SİKLOKATILMA TEPKİMELERİNİN DENEYSEL VE TEORİK YÖNTEMLERLE İNCELENMESİ (2014)

XXVII. Yeni Bisiklik Sistemlerin Okzalidihidrazid Türevlerinin Sentezlenmesi ve Bakır ile Gerçekleştirilen Buchwald Harwig ve Ulmann Coupling Tepkimelerine Etkisinin İncelenmesi (2013)

XXVIII. Bazı Doğal Bileşiklerle 3 2 Siklokatalıma Tepkimeleri (2013)

XXIX. Yeni 5 Oksazolonların Sentezlenmesi ve Reaktivitelerinin İncelenmesi (2013)

XXX. Antidepresan ve Antipaniik İlacı Olan Tandospiron un Analoglarının Sentezlenmesi (2011)

XXXI. Kamfenin Biyolojik Aktif Türlerinin Etkili ve Seçici Yöntemlerle Sentezlenmesi Sakarya Üniversitesi Bilimsel Araştırma Projeleri Koord (2010)

XXXII. BİSİKLIK VE TRİSİKLIK ALKEN İÇEREN ORGANİK BİLEŞİKLERİN SENTEZLENMESİ HİDROARİLASYON REAKSİYONLARININ İNCELENMESİ VE FARMOKOLOJİK ÖZELLİKLERİNİN BELİRLENMESİ (2008)

XXXIII. 4 KİNAZOLİNON TÜREVLERİNİN YENİ BİR YOLLA SENTEZİ VE REAKSİYONLARI (2006)

Başarılar & Ödüller

I. Decision Sciences | Most Cited Article Award (2025)

II. 2224A- YurtDışı Bilimsel Kongre Desteği (2025)

III. Yayın Teşvik (2025)

IV. BİDEB 2219 (2019)

V. Yayın Teşvik (2015)

VI. BİDEB 2218 (2010)

VII. Yayın Teşvik (2010)