

## Prof. YASEMİN ÜNVER

### Personal Information

Office Phone: [+90 462 377 2485](tel:+904623772485)

Email: [yasemincan@ktu.edu.tr](mailto:yasemincan@ktu.edu.tr)

Web: <https://avesis.ktu.edu.tr//yasemincan>

### International Researcher IDs

ORCID: 0000-0001-5834-3223

Yoksis Researcher ID: 120292

### Education Information

Doctorate, Karadeniz Technical University, Fen Edebiyat, Turkey 2000 - 2006

Postgraduate, Karadeniz Technical University, Fen Edebiyat, Turkey 1996 - 2000

### Dissertations

Postgraduate, TİYOFEN TAŞIYAN YENİ 1,2,4-TRİAZOL BİLEŞİKLERİNİN SENTEZİ VE BİYOLOJİK ÖZELLİKLERİNİN İNCELENMESİ, Karadeniz Technical University, Fen Bilimleri, Kimya, 2015

Postgraduate, Yeni Tiyofen İçerikli 1,2,4-triazol-3(5)-on Türevlerinin Sentezi, Karakterizasyonu ve Farmakolojik Özelliklerinin İncelenmesi" 2013., Karadeniz Technical University, Fen Bilimleri, Kimya, 2013

### Research Areas

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

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

- I. **Synthesis, characterization, and biological activity of novel 1,2,4-triazole moieties: Antileishmania, antimicrobial effects, and molecular docking studies**  
SÜLEYMANOĞLU N., ÜNVER Y., Ustabas R., ÇELİK F., GÜLER H. İ., Direkel Ş., Bektaş K. İ.  
Journal of Molecular Structure, vol.1314, 2024 (SCI-Expanded)
- II. **1-(3-Methylthiophene-2-yl)-N-(3,4,5-trimethoxyphenyl)methanimine: Synthesis, Spectroscopic Characterization, Antileishmanial Activity, and DFT and In Silico Studies**  
Evecen M., Çelik F., Güler H. İ., Direkel Ş., Ünver Y.  
RUSSIAN JOURNAL OF ORGANIC CHEMISTRY, vol.60, no.9, pp.1799-1809, 2024 (SCI-Expanded)
- III. **Synthesis and characterization of newly phthalocyanine molecules: Their enzyme inhibition and antioxidant properties, in silico and in vitro**  
ÇELİK F., ÜNVER Y., OzTuncay F., Cakmak U., KOLCUOĞLU Y., Uzun K., ÖZTÜRK H., Yorulmaz N., DEĞİRMENCİOĞLU İ.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.1016, 2024 (SCI-Expanded)
- IV. **Imidazolium-based ionic liquids disrupt *Saccharomyces cerevisiae* cell membrane integrity**  
ERGÜDEN B., Tarlak F., ÜNVER Y.  
ARCHIVES OF MICROBIOLOGY, vol.206, no.7, 2024 (SCI-Expanded)
- V. **New 1,2,4-triazol-3-one derivatives with 4-fluorobenzene: Synthesis, characterization, DFT,**

**antimicrobial-antiproliferative activities and molecular docking study**

ÜNVER Y., ÇELİK F., AYDIN A., SÜLEYMANOĞLU N., USTABAŞ R., GÜLER H. İ., Bektaş K.

JOURNAL OF MOLECULAR STRUCTURE, vol.1305, 2024 (SCI-Expanded)

- VI. **1,2,4-Triazol 4-Bromobenzenesulfonates: Synthesis, Characterization (IR, NMR), DFT, Enzym Activities, and Docking Study**  
Ustabaş R., Çelik F., Süleymanoğlu N., Güler H. İ., Türkan F., Oğuz E., Ünver Y.  
RUSSIAN JOURNAL OF PHYSICAL CHEMISTRY A, vol.98, no.4, pp.707-719, 2024 (SCI-Expanded)
- VII. **Benzothiophene Schiff Bases Disrupt Cytoplasmic Membrane Integrity of Gram-Positive and - Negative Bacteria Cells**  
Ergüden B., Lüleci H. B., ÜNVER Y.  
Russian Journal of Bioorganic Chemistry, vol.50, no.1, pp.128-137, 2024 (SCI-Expanded)
- VIII. **New Imidazole Derivatives: Synthesis, Spectroscopic Characterization, DFT, Biological Activities, and In Silico Study**  
SÜLEYMANOĞLU N., ÇELİK F., USTABAŞ R., GÜLER H. İ., Şahin H., Direkel Ş., ÜNVER Y.  
Russian Journal of Physical Chemistry A, vol.97, no.13, pp.3037-3049, 2023 (SCI-Expanded)
- IX. **Cytotoxic Effects of Compounds with a Carbazole Scaffold on Human Brain, Gynecological, and Colon Cancer Cells**  
Yalazan H., Aydın A., Çelik F., Ünver Y., Kantekin H.  
CHEMISTRYSELECT, vol.8, no.41, 2023 (SCI-Expanded)
- X. **New Thiophene-Butanol Derivatives: Synthesis, Spectroscopic Characterization, DFT, Biological Activities and In Silico Study**  
USTABAŞ R., SÜLEYMANOĞLU N., ÇELİK F., GÜLER H. İ., Bektaş K. İ., Direkel Ş., ÜNVER Y.  
Russian Journal of Physical Chemistry A, vol.97, no.11, pp.2488-2500, 2023 (SCI-Expanded)
- XI. **Chalcone Schiff bases disrupt cell membrane integrity of *Saccharomyces cerevisiae* and *Candida albicans* cells**  
Ergüden B., Lüleci H. B., ÜNVER Y.  
ARCHIVES OF MICROBIOLOGY, vol.205, no.6, 2023 (SCI-Expanded)
- XII. **1,3-Bis((E)-(9-ethyl-9H-carbazol-3-yl)methylene)amino)propan-2-ol: Synthesis, Characterization DFT Study, and Acetylcholinesterase Inhibitory Activity**  
ÇELİK F., SÜLEYMANOĞLU N., Ustabaş R., Bektaş E., ÜNVER Y.  
RUSSIAN JOURNAL OF PHYSICAL CHEMISTRY A, vol.97, no.5, pp.981-988, 2023 (SCI-Expanded)
- XIII. **Experimental and theoretical investigations, enzyme inhibition activity and docking study of 5-methyl-4-(2-(piperazin-1-yl)ethyl)-2,4-dihydro-3H-1,2,4-triazol-3-one**  
Evecen M., Çelik F., Bektaş E., Güler H. İ., Ünver Y.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1275, 2023 (SCI-Expanded)
- XIV. **New Schiff Bases with Thiophene Ring: Synthesis, Biological Activities, and Molecular Docking Study**  
Çelik F., İnan Bektaş K., Güler H. İ., Direkel Ş., Ünver Y.  
RUSSIAN JOURNAL OF GENERAL CHEMISTRY, vol.93, no.2, pp.409-417, 2023 (SCI-Expanded)
- XV. **Bis-1,2,4-triazol derivatives: Synthesis, characterization, DFT, antileishmanial activity and molecular docking study**  
SÜLEYMANOĞLU N., Ustabaş R., GÜLER H. İ., Direkel S., ÇELİK F., ÜNVER Y.  
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, vol.41, no.13, pp.5970-5980, 2023 (SCI-Expanded)
- XVI. **New carbazol derivatives containing 1,2,4-triazole: Synthesis, characterization, DFT study, acetylcholinesterase activity and docking study**  
ÜNVER Y., SÜLEYMANOĞLU N., Ustabaş R., GÜLER H. İ., Bektaş E., Bektaş K. İ., ÇELİK F.  
Journal of the Indian Chemical Society, vol.99, no.10, 2022 (SCI-Expanded)
- XVII. **Biscarbazole Derivatives: Synthesis, Characterization, Antimicrobial and Antitumor Activity, and Molecular Docking Study**  
Çelik F., Aydın A., İnan Bektaş K., Güler H. İ., Nalçaoğlu A., Ünver Y.  
RUSSIAN JOURNAL OF GENERAL CHEMISTRY, vol.92, no.10, pp.2145-2160, 2022 (SCI-Expanded)
- XVIII. **1,2,4-Triazole derivative containing thiophen ring: Comparison of theoretical IR and NMR data with**

## experimental

ÇELİK F., ÜNVER Y.

Journal of the Indian Chemical Society, vol.99, no.6, 2022 (SCI-Expanded)

- XIX. **New chalcone derivative, ethyl 2-(4-(3-(benzo[b]thiophen-2-yl)acryloyl)phenoxy)acetate: synthesis, characterization, DFT study, enzyme inhibition activities and docking study**  
Çelik F., Süleymanoğlu N., Ustabas R., Türkan F., Güler H. İ., Ünver Y., Kahriman N.  
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, vol.40, no.22, pp.12260-12267, 2022 (SCI-Expanded)
- XX. **Phenolic chalcones lead to ion leakage from Gram-positive bacteria prior to cell death**  
Ergüden B., ÜNVER Y.  
Archives of Microbiology, vol.204, no.1, 2022 (SCI-Expanded)
- XXI. **(2E)-3-(1-benzothiophen-2-yl)-1-(4-hydroxyphenyl)prop-2-en-1-one: Synthesis, Characterization (IR, NMR and UV-Vis) DFT Study and Antimicrobial Activity**  
SÜLEYMANOĞLU N., Ustabas R., Eyduran F., Direkel S., ÜNVER Y., KAHRİMAN N.  
JOURNAL OF THE CHEMICAL SOCIETY OF PAKISTAN, vol.43, no.6, pp.712-725, 2021 (SCI-Expanded)
- XXII. **Synthesis, Characterization, Antibacterial Activity, and Interfacial and Micellar Features of Novel Cationic Gemini Surfactants with Different Spacers**  
Sarıkaya I., BİLGEN S., ÜNVER Y., İNAN BEKTAŞ K., Akbas H.  
JOURNAL OF SURFACTANTS AND DETERGENTS, vol.24, no.6, pp.909-921, 2021 (SCI-Expanded)
- XXIII. **3-(5-(1H-imidazol-1-yl) pent-1-en-1-yl)-9-ethyl-9H-carbazole: synthesis, characterization (IR, NMR), DFT, antimicrobial-antioxidant activities and docking study**  
ÜNVER Y., SÜLEYMANOĞLU N., Ustabas R., Bektas K., Bektas E., GÜLER H. İ.  
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, vol.40, no.23, pp.12990-13000, 2021 (SCI-Expanded)
- XXIV. **1,2,3-triazole derivative: Synthesis, characterization, DFT, molecular docking study and antibacterial-antileishmanial activities**  
ÇELİK F., Ustabas R., SÜLEYMANOĞLU N., Direkel Ş., GÜLER H. İ., ÜNVER Y.  
Journal of the Indian Chemical Society, vol.98, no.8, 2021 (SCI-Expanded)
- XXV. **Bis benzothiophene Schiff bases: synthesis and in silico-guided biological activity studies**  
ÜNVER Y., Unluer D., Direkel S., Durdagi S.  
TURKISH JOURNAL OF CHEMISTRY, vol.44, no.4, pp.1164-1189, 2020 (SCI-Expanded)
- XXVI. **5-Methyl-4-[3-(2-oxopyrrolidin-1-yl)propyl]-2,4-dihydro-3H-1,2,4-triazol-3-one: Synthesis, Characterization, and DFT Study**  
Suleymanoglu N., Ustabas R., Unver Y., Alpaslan Y. B.  
RUSSIAN JOURNAL OF ORGANIC CHEMISTRY, vol.55, no.12, pp.1929-1935, 2019 (SCI-Expanded)
- XXVII. **New Chalcone Derivatives with Schiff Base-Thiophene: Synthesis, Biological Activity, and Molecular Docking Studies**  
Unver Y., Tuluk M., Kahriman N., Emirik M., Bektas E., Direkel S.  
RUSSIAN JOURNAL OF GENERAL CHEMISTRY, vol.89, no.4, pp.794-799, 2019 (SCI-Expanded)
- XXVIII. **Novel 1,2,4-Triazole Derivatives: Structure, DFT Study, X-Ray Analysis, and Antimicrobial Activity**  
Unluer D., Unver Y., Dugdu E., Alpaslan Y. B., Koysal Y., Soylu M. S., Sancak K.  
RUSSIAN JOURNAL OF ORGANIC CHEMISTRY, vol.55, no.2, pp.254-261, 2019 (SCI-Expanded)
- XXIX. **Structure Effect on K Shell Fluorescence Parameters at Bis-4-Bromobenzyl-1, 2, 4-Triazol-3-Ones**  
Aylikci V., ÜNVER Y., Aylikci N. K., TIRAŞOĞLU E., SANCAK K., LAGAP Z.  
SPECTROSCOPY AND SPECTRAL ANALYSIS, vol.36, no.12, pp.4120-4124, 2016 (SCI-Expanded)
- XXX. **Synthesis of new 1,2,4-triazole compounds containing Schiff and Mannich bases (morpholine) with antioxidant and antimicrobial activities**  
ÜNVER Y., DENİZ S., ÇELİK F., Akar Z., KÜÇÜK M., SANCAK K.  
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.31, pp.89-95, 2016 (SCI-Expanded)
- XXXI. **Spectroscopy studies, X-ray diffraction and DFT, HF calculations of 4-allyl-5-(thiophen-2-ylmethyl)-2H-1,2,4-triazol-3(4H)-one**  
Alasalvar C., Soylu M. S., ÜNVER Y., APAYDIN G., UNLUER D.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1033, pp.243-252, 2013 (SCI-Expanded)

- XXXII. **Structure and anion effect on conductivity and K and L shell fluorescence parameters at green solvents**  
Aylikci V., ÜNVER Y., Dugdu E., TIRAŞOĞLU E., Aylikci N. K., Unluer D., SANCAK K., Kahoul A., Dogan M., Cengiz E., et al.  
CHEMICAL PHYSICS LETTERS, vol.556, pp.365-371, 2013 (SCI-Expanded)
- XXXIII. **Synthesis, characterization, spectral and electrical properties of peripherally tetra-triazole-substituted phthalocyanines and its metal complexes**  
Bayrak R., KARAOĞLU K., ÜNVER Y., SANCAK K., DUMLUDAĞ F., DEĞİRMENCİOĞLU İ.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.712, pp.57-66, 2012 (SCI-Expanded)
- XXXIV. **Synthesis, characterization, and antioxidant activities of new trisubstituted triazoles**  
SANCAK K., ÜNVER Y., UNLUER D., DUGDU E., KOR G., ÇELİK F., BIRINCI E.  
TURKISH JOURNAL OF CHEMISTRY, vol.36, no.3, pp.457-466, 2012 (SCI-Expanded)
- XXXV. **Synthesis, spectroscopic characterization, calculational studies and in vitro antitumoral activity of 4-(3-(1H-imidazol-1-yl)propyl)-(thiophen-2-ylmethyl)-1H-1,2,4-triazol-5(4H)-one**  
Suleymanoglu N., Ustabas R., Alpaslan Y. B., ÜNVER Y., Turan M., SANCAK K.  
JOURNAL OF MOLECULAR STRUCTURE, vol.989, pp.101-108, 2011 (SCI-Expanded)
- XXXVI. **Synthesis, crystal structure, and antioxidant properties of novel 1,2,4-triazol-5-ones containing 3,4-dimethoxyphenyl and 3,4-dihydroxyphenyl moiety**  
ÜNVER Y., MEYDANAL S., SANCAK K., UNLUER D., Ustabas R., DUGDU E.  
TURKISH JOURNAL OF CHEMISTRY, vol.35, no.2, pp.265-277, 2011 (SCI-Expanded)
- XXXVII. **Experimental and theoretical studies of the molecular structure of 4-(3-(1H-imidazol-1-yl)propyl)-5-p-tolyl-2H-1,2,4-triazol-3(4H)-one**  
Ustabas R., Suleymanoglu N., Tanak H., Alpaslan Y. B., ÜNVER Y., SANCAK K.  
JOURNAL OF MOLECULAR STRUCTURE, vol.984, pp.137-145, 2010 (SCI-Expanded)
- XXXVIII. **The synthesis of some new imidazole and triazole derivatives: crystal Structure and DFT-TDDFT investigation on electronic structure**  
SANCAK K., ÜNVER Y., Tanak H., DEĞİRMENCİOĞLU İ., Dugdu E., Er M., Isyik S.  
JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY, vol.67, pp.325-334, 2010 (SCI-Expanded)
- XXXIX. **Ethyl 4-(3-ethyl-5-oxo-4,5-dihydro-1H-1,2,4-triazol-4-yl)benzoate**  
ÜNVER Y., Koysal Y., Tanak H., UNLUER D., Isik S.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.66, 2010 (SCI-Expanded)
- XL. **An experimental and DFT computational study on 4-(3-(1H-imidazol-1-yl)propyl)-5-methyl-2H-1,2,4-triazol-3(4H)-one monohydrate**  
Tanak H., Koysal Y., ÜNVER Y., Yavuz M., Isik S., SANCAK K.  
MOLECULAR PHYSICS, vol.108, no.2, pp.127-139, 2010 (SCI-Expanded)
- XLI. **Synthesis and characterization of novel triazol compounds containing a thiophen ring as potential antifungal agents and the structure of 2-(2-hydroxy-2-p-tolyethyl)-5-(thiophen-2-ylmethyl)-4-(4H-1,2,4-triazol-4-yl)-2H-1,2,4-triazol-3(4H)-one**  
ÜNVER Y., DUGDU E., SANCAK K., Er M., Ustabas R.  
TURKISH JOURNAL OF CHEMISTRY, vol.34, no.4, pp.551-563, 2010 (SCI-Expanded)
- XLII. **Synthesis and characterisations of some new 2,4-dihydro-[1,2,4]-triazol-3-one derivatives and X-ray crystal structures of 4-(3-phenylallylideneamino)-5-thiophen-2-yl-methyl-2,4-dihydro-[1,2,4]triazol-3-one**  
Sancak K., ÜNVER Y., Kazak C., DUGDU E., Arslan B.  
TURKISH JOURNAL OF CHEMISTRY, vol.34, no.5, pp.771-780, 2010 (SCI-Expanded)
- XLIII. **5-Benzyl-4-[3-(1H-imidazol-1-yl)propyl]-2H-1,2,4-triazol-3(4H)-ones: Synthesis, spectroscopic characterization, crystal structure and a comparison of theoretical and experimental IR results by DFT calculations**  
ÜNVER Y., SANCAK K., Tanak H., DEĞİRMENCİOĞLU İ., Dugdu E., Er M., Isik S.  
JOURNAL OF MOLECULAR STRUCTURE, vol.936, pp.46-55, 2009 (SCI-Expanded)
- XLIV. **Experimental and DFT studies of ethyl N'-3-(1H-imidazol-1-yl) propylcarbamoyl benzohydrate**

**monohydrate**

Tanak H., Koysal Y., ÜNVER Y., Yavuz M., Isik S., SANCAK K.

STRUCTURAL CHEMISTRY, vol.20, no.3, pp.409-416, 2009 (SCI-Expanded)

- XLV. **2-Benzoylmethyl-4-[(2-benzylideneethylidene)amino]-5-(2-thienylmethyl)-2H-1,2,4-triazol-3(4H)-one**  
Ustabas R., Uenver Y., Suleymanoglu N., Coruh U., SANCAK K.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.65, 2009 (SCI-Expanded)
- XLVI. **Spectroscopic and theoretical study of 1,2,4-triazole-3-one based salicylaldehyde complexes and evaluation of superoxide-scavenging properties**  
SERBEST K., Ozen A., ÜNVER Y., Er M., DEĞİRMENCİOĞLU İ., SANCAK K.  
JOURNAL OF MOLECULAR STRUCTURE, vol.922, pp.1-10, 2009 (SCI-Expanded)
- XLVII. **An esterolytic activity from a wild edible mushroom, *Lycoperdon perlatum***  
ÇOLAK A., ÜNVER Y., Faiz Ö., SESLİ E., KOLCUOĞLU Y.  
JOURNAL OF FOOD BIOCHEMISTRY, vol.33, pp.482-489, 2009 (SCI-Expanded)
- XLVIII. **Synthesis and Characterizations of Some New Triazol-3-one Derivatives.**  
Arslan N. B., KAZAK C., ÜNVER Y., SANCAK K.  
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.65, 2009 (SCI-Expanded)
- XLIX. **Synthesis, characterization and cyclization reactions of some new bithiosemicarbazones**  
Er M., ÜNVER Y., SANCAK K., DEĞİRMENCİOĞLU İ., Karaoglu S. A.  
ARKIVOC, pp.149-167, 2009 (SCI-Expanded)
- L. **Influence of functional group effect on the K-shell X-ray production cross-sections and average fluorescence yields of sulphur in 1,2,4-triazol-5-one compounds containing thiophene**  
Aylikci V., Cengiz E., APAYDIN G., ÜNVER Y., SANCAK K., TIRAŞOĞLU E.  
CHEMICAL PHYSICS LETTERS, vol.461, pp.332-337, 2008 (SCI-Expanded)
- LI. **Synthesis and characterizations of some new tetra-thiosemicarbazones and their cyclization reactions; tetra-4-methyl-5-ethoxycarbonyl-2,3-dihydro-1,3-thiazole and tetra-2-acetylamino-4-acetyl-4,5-dihydro-1,3,4-thiadiazole derivatives**  
Er M., Uenver Y., SANCAK K., DUEGDUE E.  
ARKIVOC, pp.99-120, 2008 (SCI-Expanded)
- LII. **Synthesis and antimicrobial evaluation of novel di-triazoles and 4-arylidene amino 4,5-dihydro-1H-[1,2,4] triazole-5-one derivatives**  
Uenver Y., DUEGDUE E., SANCAK K., Er M., Karaoglu S. A.  
TURKISH JOURNAL OF CHEMISTRY, vol.32, no.4, pp.441-455, 2008 (SCI-Expanded)
- LIII. **Cu(II), Ni(II) and Fe(II) complexes with a new substituted [1,2,4] triazole Schiff base derived from 4-amino-5-(thien-2-yl ethyl)-2,4-dihydro-3H-1,2,4-triazol-3-one and 2-hydroxy-1-naphthaldehyde: synthesis, characterization and a comparison of theoretical and experimental results by Ab initio calculation**  
Sancak K., Er M., Unver Y., Yildirim M., Degirmencioglu I., Serbest K.  
TRANSITION METAL CHEMISTRY, vol.32, no.1, pp.16-22, 2007 (SCI-Expanded)
- LIV. **Synthesis of 2-acylamino, 2-arylamino and ethoxycarbonyl imino-1,3,4-thiadiazoles as antitumor agents**  
Sancak K., Unver Y., Er M.  
TURKISH JOURNAL OF CHEMISTRY, vol.31, no.2, pp.125-134, 2007 (SCI-Expanded)
- LV. **4-[(5-Nitrothiophen-2-ylmethylene)amino]5-(thiophen-2-ylmethyl)-1H-1,2,4-triazol-5(4H)-one**  
USTABAS R., CORUH U., Sancak K., Unver Y., VAZQUES-LOPEZ E. M.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.62, 2006 (SCI-Expanded)
- LVI. **3,3'-Diisopropyl-4,4'-(hexane-1,6-diyl)bis-[1H-1,2,4-triazol-5(4H)-one] dihydrate**  
KOYSAL Y., ISIK S., Sancak K., Unver Y.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.62, 2006 (SCI-Expanded)
- LVII. **3,3'-Bis(2-thienylmethyl)-4,4'-(butane-1,4-diyl)bis(4,5-dihydro-1H-1,2,4-triazol-5-one)**  
Unver Y., USTABAS R., CORUH U., Sancak K., VAZQUEZ-LOPEZ E. M.

- ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.62, 2006 (SCI-Expanded)
- LVIII. **4-(2-pyridylmethyleneamino)-3-(2-thienylmethyl)-1H-1,2,4-triazol-5(4H)-one**  
YILMAZ I, ARSLAN N. B., KAZAK C., Sancak K., Unver Y.  
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.62, 2006 (SCI-Expanded)
- LIX. **Ethene-1,1,2,2-tetrayltetramethylene tetrathiocyanate**  
USTABAS R., SANCAK K., ER M., Unver Y., CORUH U., VAZQUEZ-LOPEZ E., YAVUZ M.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.61, 2005 (SCI-Expanded)
- LX. **3-(2-Thienylmethyl)-4,4'-bi-1H-1,2,4-triazol-5(4H)-one**  
SANCAK K., USTABAS R., CORUH U., ER M., Unver Y., YAVUZ M.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.61, 2005 (SCI-Expanded)
- LXI. **4,4'-Butane-1,4-diylbis[3-ethyl-1H-1,2,4-triazol-5(4H)-one] and 4-hydroxy-3-n-propyl-1H-1,2,4-triazol-5(4H)-one**  
ISKELELI N., ISIK S., SANCAK K., SAMAZ S., Unver Y., ER M.  
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, vol.61, 2005 (SCI-Expanded)
- LXII. **1-(Benzoylmethyl)-4-(3,5-dimethyl-4H-1,2,4-triazol-4-yl)-3-(2-thienylmethyl)-1H-1,2,4-triazol-5(4H)-one**  
Sancak K., CORUH U., UNVER Y., VAZQUEZ-LOPEZ E.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.61, 2005 (SCI-Expanded)
- LXIII. **2-[2-(cyanomethoxy)phenoxy]acetonitrile**  
USTABAS R., CORUH U., SANCAK K., ER M., Unver Y., YAVUZ M.  
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.60, 2004 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Synthesis, characterization and biological activity of novel ionic liquids with bis-imidazole moieties: antitumor, antimicrobial effects and molecular docking studies**  
ÇELİK F., ÜNVER Y., AYDIN A., GÜLER H. İ., Bektaş K. İ.  
Organic Communications, vol.17, no.1, pp.23-37, 2024 (ESCI)
- II. **Synthesis, Biological Activities and Molecular Docking Studies of New Schiff Bases Derivatives**  
ÜNLÜER D., ÜNVER Y., BEKTAŞ E., DİREKEL Ş., KARAMAN M., KARAMAN H. S.  
Gümüşhane Üniversitesi Fen Bilimleri Dergisi, vol.10, no.3, pp.681-694, 2020 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation of DNA cleavage and antioxidant properties of the new tetra-substituted organo-soluble non-peripherally metallophthalocyanines**  
Ertem B., Yalazan H., Barut B., Ünver Y., Özel A., Kantekin H.  
Eurasian Congress of Molecular Biotechnology (ECOMB 2019), Trabzon, Turkey, 19 - 21 September 2019, pp.99
- II. **Theoretical Study for Ethyl-2-(4-Amino-5-Oxo-3-(Thiophene-2-ylmethyl)-4,5-Dihydro-1,2,4-Triazole-1-yl) Acetate**  
ÜNVER Y., ATALAY A., BİRİNCİ E., ÇELİK F., SANCAK K.  
4th Organic Chemistry Congress, Antalya, Turkey, 4 - 07 October 2018
- III. **Synthesis of Chalcone Containing Thiophene-Schiff Base And Examination of The Biological Properties**  
ÜNVER Y., Tuluk M., Bektaş E., KAHRİMAN N.  
International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), Ankara, Turkey, 26 - 27 April 2018, pp.190
- IV. **Synthesis of Chalcone containing Thiophen- Schiff base and Examination of the Biological Properties**  
ÜNVER Y.

International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 26 - 27 April 2018, pp.190

- V. **Synthesis of New Axially Chalcone Substituted Silicon (IV) Phthalocyanine and Investigation of Photophysical and Photochemical Properties**  
KAHRİMAN N., ÜNVER Y., DEĞİRMENCİOĞLU İ., SERDAROĞLU V., Akçay H. T., Durmuş M., D. Gülmez A.  
International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), Ankara, Turkey, 26 - 27 April 2018, pp.645
- VI. **Photophysical and Photochemical Properties of Novel Silicon (IV) Phthalocyanine-Chalcone Hybrid Compound**  
KAHRİMAN N., ÜNVER Y., DEĞİRMENCİOĞLU İ., Akçay H. T., DURMUS M., D. Gülmez A.  
International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), Ankara, Turkey, 26 - 27 April 2018, pp.1151
- VII. **Synthesis of Thiophene-Imidazol-Containing Hydrazones**  
ÜNVER Y., Ünlüer D., Düğdü E., ÇELİK F.  
International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 26 - 27 April 2018, pp.607
- VIII. **Synthesis, Characterization And Biological Activities Of New Symmetric Bis-1,2,3-Triazoles With Click Chemistry**  
ÇELİK F., ÜNVER Y., SANCAK K.  
Uluslararası Katılımlı 6. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, Antalya, Turkey, 22 - 25 March 2018, pp.77
- IX. **Bis 1,3,4-Oxadiazole Derivatives: Syntheses, Characterizations, Computational Studies and Antioxidant Activities**  
ÜNVER Y., Gökçe H., BEKTAŞ E., ÇELİK F.  
Uluslararası Katılımlı 6. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, Antalya, Turkey, 22 - 25 March 2018, pp.76
- X. **Antioxidant and Antileishmanial Studies for S-Alkyl 1,3,4-Oxadiazole Derivatives**  
ÜNVER Y., BEKTAŞ E., DİREKEL Ş., ÇELİK F.  
THE SECOUND JAPAN-TURKEY INTERNATIONAL SYMPOSIUM ON PHARMACEUTICAL AND BIOMEDICAL SCIENCES, Trabzon, Turkey, 11 - 12 October 2017, pp.74
- XI. **Antileishmanial and Antioxidant Studies for Mannich Bases Of 1,3,4-Oxadiazoles**  
ÜNVER Y., BEKTAŞ E., DİREKEL Ş., ÇELİK F.  
THE SECOUND JAPAN-TURKEY INTERNATIONAL SYMPOSIUM ON PHARMACEUTICAL AND BIOMEDICAL SCIENCES, Trabzon, Turkey, 11 - 12 October 2017, pp.73
- XII. **Chalcone Derivatives and Investigation of Their Enzym Inhibition/Antioxidant Activities**  
KAHRİMAN N., ÜNVER Y., PEKER K., BARUT B.  
3rd International Turkic World Conference on Chemical Sciences and Technologies (ITWCCST 2017), Baku, Azerbaijan, 10 - 13 September 2017
- XIII. **Evaluation of Anti-Quorum Sensing Activities of Some Synthetic 1,2,4-Triazole Derivatives**  
ÜNVER Y., KAHRİMAN N., TÜFEKÇİ E. F., KILIÇ A. O.  
3rd International Turkic World Conference on Chemical Sciences and Technologies (ITWCCST 2017), Baku, Azerbaijan, 10 - 13 September 2017
- XIV. **1,2,4-Triazole Derivatives with Morpholine and Antileishmanial Activity**  
SÜLEYMANOĞLU N., USTABAŞ R., DİREKEL Ş., BİNGÖL ALPASLAN Y., ÜNVER Y.  
Turkish Physical Society 33 th International Physics Congress, 6 - 10 September 2017
- XV. **Antileishmanial Activity Study for 1,3,4-oxadiazole Derivatives**  
ÜNVER Y., KAHRİMAN N., TÜFEKÇİ E. F., KILIÇ A. O.  
3rd International Turkic World Conference on Chemical Sciences and Technologies (ITWCCST 2017), Baku, Azerbaijan, 10 - 13 September 2017, pp.281
- XVI. **Synthesis of Novel Chalcone Derivatives and Investigation of Their Enzyme Inhibition/Antioxidant Activities**  
KAHRİMAN N., ÜNVER Y., PEKER K., BARUT B.  
3rd International Turkic World Conference on Chemical Sciences and Technologies, Baku, Azerbaijan, 10 - 13

September 2017, pp.243

- XVII. **Theoretical Study for Thiol-Thione Tautomerism of 1,2,4-Triazole Derivatives with Schiff Base and Thiophene**  
SÜLEYMANOĞLU N., USTABAŞ R., BİNGÖL ALPASLAN Y., ÜNVER Y.  
Turkish Physical Society 33 th International Physics Congress, 6 - 10 September 2017
- XVIII. **Structure of 4-Amino-3-(thiophen-2-ylmethyl)-1H-1,2,4-triazole-5(4H)one Monohydrate**  
TANAK H., EVECEN M., SEMİZ L., ÜNVER Y.  
III. International Turkish Congress on Molecular Spectroscopy, 26 August - 29 December 2017
- XIX. **Analysis on molecular, spectroscopic and electronic behavior of C<sub>30</sub>N<sub>12</sub>O<sub>2</sub>H<sub>32</sub>Cl<sub>2</sub> molecule: A theoretical approach**  
SEMİZ L., EVECEN M., ÜNVER Y., TANAK H.  
III. International Turkish Congress on Molecular Spectroscopy, 26 August - 29 December 2017
- XX. **Bis 1 2 4 Triazoles Including Hydrazone and Biological Activities**  
ÜNVER Y., ÇELİK F.  
4th. International BAU Drug Design Congress, 13 - 15 October 2016
- XXI. **Bis-1,2,4-triazoles Including Hydrazone and Biological Activities,**  
ÜNVER Y., ÇELİK F.  
4th. International BAU Drug Design Congress, İstanbul, Turkey, 13 - 15 October 2016, pp.129
- XXII. **New 1 3 4 Oxadiazole Derivatives and Their Biological Activities**  
ÜNVER Y.  
4th. International BAU Drug Design Congress, 13 - 15 October 2016
- XXIII. **NEW 1,3,4-OADIAZZOL DERIVATIVES AND THEIR BIOLOGICAL ACTIVITIES**  
ÜNVER Y.  
4. INTERNATIONAL BAU DRUG DESIGN CONGRESS, İstanbul, Turkey, 13 - 15 October 2016, pp.130
- XXIV. **Triazol hidrazon içerikli İmidazol türevi bileşiklerin sentezi X ray DFT ve TD DFT hesaplamaları**  
ÜNVER Y., DEĞİRMENCİOĞLU İ., SANCAK K.  
3. Ulusal Organik Kimya Kongresi, Turkey, 3 - 05 September 2016
- XXV. **Etil 4 3 etil 5 okso 4 5 dihidro 1H 1 2 4 triazol 4 il benzoat X ışınları kırınım verileri**  
ÜNVER Y., düğdü e., ünlüer d.  
3. Ulusal Organik Kimya Kongresi, Turkey, 03 September 2016
- XXVI. **Anti quorum sensing activities of some synthetic chemicals and natural products**  
TÜFEKÇİ E. F., HAMIDI S., DEMİRTAS N., Ünver Y., SÖKMEN M., SÖKMEN A., Yayli N., KILIÇ A. O.  
6th Southeast European Conference on Chemotherapy and Infection, 13 - 15 November 2015
- XXVII. **Hamidi S Tüfekci E F Demirbas N Ünver Y Kilic A O Antimicrobial activities of some synthetic derivatives of pharmaceuticals 6th Southeast European Conference on Chemotherapy and Infection Selanik YUNANISTAN 13 15 Kasım 2015 pp 37 37**  
HAMIDI S., TÜFEKÇİ E. F., DEMİRTAS N., Ünver Y., KILIÇ A. O.  
6th Southeast European Conference on Chemotherapy and Infection, 13 - 15 November 2015
- XXVIII. **Anti Quorum Sensing Activities of some synthetic Chemicals and Natural products**  
sanaz h., enis fuat t., DEMİRBAŞ N., ÜNVER Y., SÖKMEN M., SÖKMEN A., YAYLI N., KILIÇ A. O.  
6th. Southeast European Conference on Chemotherapy and Infection, 13-15 November 2015, Yunanistan., 13 - 15 November 2015
- XXIX. **Antimicrobial activities of some synthetic derivatives of Pharmaceuticals**  
sanaz h., enis fuat t., demirbaş n., ÜNVER Y., kılıç a. o.  
6th. Southeast European Conference on Chemotherapy and Infection, 13-15 November 2015, Yunanistan., 13 - 15 November 2015
- XXX. **Aldehit Türevi 1,2,3-Triazolollerin Sentezi Karakterizasyonu ve Biyolojik Aktivitelerinin İncelenmesi**  
ÇELİK F., UNLUER D., DENİZ S., ÜNVER Y.  
27. Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 - 28 August 2015, pp.436
- XXXI. **Aldehit türevi 1,2,3-triazollerin sentezi karakterizasyonu ve biyolojik aktivitelerinin incelenmesi**  
ÜNVER Y.



27. ulusal kimya kongresi, Çanakkale, Turkey, 23 - 28 August 2015, pp.436
- XXXII. **"synthesis of new 1,2, -triazol compounds incruing Mannich and schiff base and analysis of biological activities"**  
ÜNVER Y.  
Anatolian Conference on synthetic Organic Chemistry, Antalya, Turkey, 16 - 19 March 2015, pp.172
- XXXIII. **Synthesis of New 1,2,4-Triazol compounds including mannich and Schiff Base and Analysis of Biological Activities**  
DENİZ S., ÇELİK F., ÜNVER Y., BİRİNCİ E., GÜL G.  
Anatolian Conference on Synthetic Organic Chemistry, Antalya, Turkey, 16 - 19 March 2015, pp.172
- XXXIV. **1,2,4-triazol halka sistemini ihtiva eden orijinal nitelikteki 1,3,4-tiyodiazol bileşiklerinin sentezi ve karakterizasyonu**  
ÜNVER Y.  
2. ulusal organik kimya kongresi, Ankara, Turkey, 24 - 26 September 2014, pp.50
- XXXV. **1,2,4-Triazol Heterohalka Sistemini İhtiva eden Orijinal Nitelikteki 1,3,4-Tiyadiazol Bileşiklerinin Sentezi ve Karakterizasyonu**  
ÇELİK F., ÜNVER Y., UNLUER D., DENİZ S.  
2. Ulusal Organik Kimya Kongresi, Ankara, Turkey, 24 - 26 September 2014, pp.53
- XXXVI. **New Thiophene-1,2,4-Triazole-5(3)-Ones: Highly BioactiveThiosemicarbazides, Structures Of Schiff Bases And Triazole-Thiols**  
ÇELİK F., birinci e., ÜNVER Y., düğdü e., ünlüer d., SANCAK K.  
44 th world chemistry congress, 11 - 16 August 2013
- XXXVII. **, Synthesis and structural characterization of novel substituted 4H-1,2,4-triazole family**  
ÜNVER Y.  
44th world chemistry congress,, İstanbul, Turkey, 11 - 16 August 2013, pp.1120
- XXXVIII. **Synthesis and structural of novel substituted 4H-1,2,4-triazol family**  
DUGDU E., UNLUER D., ÇELİK F., BİRİNCİ E., ÜNVER Y., SANCAK K.  
44th. Word Chemistry Congress, İstanbul, Turkey, 11 August 2013 - 16 August 2016, pp.2
- XXXIX. **New thiophene-1,2,4-triazole-5(3)Ones:Highly bioactive thiosemicarbazides, structures of schiff bases and triazole-thioles**  
ÇELİK F., BİRİNCİ E., ÜNVER Y., DUGDU E., UNLUER D., SANCAK K.  
44th. Word Chemistry Congress, İstanbul, Turkey, 11 August 2013 - 16 August 2016, pp.1120
- XL. **İmidazolyum zwitter iyonik sıvıların sentezi ve anyon deęiřtirme reaksiyonları**  
düğdü e., ünlüer d., ÇELİK F., birinci e., ÜNVER Y.  
25. ulusal kimya kongresi, Turkey, 27 June - 02 July 2011
- XLI. **İmidazolyum Zwitter İyonik Sıvıların Sentezi ve Anyon Deęiřtirme Reaksiyonları**  
DUGDU E., UNLUER D., ÇELİK F., BİRİNCİ E., ÜNVER Y.  
XXV. Uluslararası Katılımlı Ulusal Kimya Kongresi, Erzurum, Turkey, 27 June - 02 July 2011, pp.131

## Expert Reports

- I. **THE FIRST SYNTHESIS OF SOME NOVEL 4 CHLOROCHALCCONE BASED**  
ÜNVER Y.  
2016
- II. **Synthesis and Antibacterial Activity Studies of 6 Methoxyquinazoline Triazole Hybrid Derivatives**  
ÜNVER Y.  
2015
- III. **a convenient synthetic protocol or the synthesis of 2 3 disubstituted 1 4 benzothiazines**  
ÜNVER Y.  
2015

## Supported Projects

ÜNVER Y., TUBITAK Project, TİYOFEN TAŞIYAN SCHIFF BAZI İÇERİKLİ 1,2,4-TRİAZOL BİLEŞİKLERİNİN SENTEZİ VE ANTİMİKROBİYAL ÖZELLİKLERİNİN İNCELENMESİ, 2014 - 2015

ÜNVER Y., TUBITAK Project, Azol sınıfı bileşiklerin sentezi, çevre uyumlu iyonik sıvıların hazırlanması, fiziksel ve biyokimyasal özelliklerinin incelenmesi", Proje Araştırmacı, 2007., 2007 - 2009

## Memberships / Tasks in Scientific Organizations

kimyagerler derneği, Member, 2015 - Continues

## Scientific Refereeing

europaan journal o medicinal chemistry, SCI Journal, June 2015

medicinal chemistry research, SCI Journal, April 2015

europaan journal of medicinal chemistry, SCI Journal, July 2014

medicinal chemistry research, SCI Journal, July 2014

medicinal chemistry research , SCI Journal, July 2014

medicinal chemistry research, SCI Journal, June 2014

europaan journal of medicinal chemistry, SCI Journal, March 2014

europaan journal of medicinal chemistry, SCI Journal, January 2014

medicinal chemistry research, SCI Journal, July 2013

medicinal chemistry research , SCI Journal, October 2012

medicinal chemistry research , SCI Journal, April 2012

medicinal chemistry research , SCI Journal, December 2011

medicinal chemistry research , SCI Journal, September 2010

## Scientific Consultations

tubitak, Project Consultancy, Turkey, 2015 - Continues

tubitak, Project Consultancy, Turkey, 2014 - Continues

## Metrics

Publication: 146

Citation (WoS): 909

Citation (Scopus): 957

H-Index (WoS): 18

H-Index (Scopus): 18

## Congress and Symposium Activities

organik kimya paneli, Attendee, Ankara, Turkey, 2015

organik kimya paneli, Attendee, Turkey, 2014

organik kimya paneli, Attendee, Turkey, 2013