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### International Researcher IDs

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### Education Information

Doctorate, Karadeniz Technical University, -, Kimya, Turkey 1995 - 2000

Postgraduate, Karadeniz Technical University, -, Kimya, Turkey 1991 - 1995

Undergraduate, Karadeniz Technical University, Fen Edebiyat Fakültesi, Kimya, Turkey 1987 - 1991

### Dissertations

Doctorate, BAZI İMİDİK VE HİDRAZONİK ASİT TÜREVLERİ İLE BAZI HETEROHALKALI BİLEŞİKLERİN SENTEZİ VE REAKSİYONLARININ İNCELENMESİ, Karadeniz Technical University, -, Kimya, 2000

Postgraduate, 3-AMİNO-1,2,4-TRİAZOL'ÜN BAZI REAKSİYONLARININ İNCELENMESİ, Karadeniz Technical University, -, Kimya, 1994

### Research Areas

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

### Academic Titles / Tasks

Professor, Karadeniz Technical University, Fen Fakültesi, Kimya, 2015 - Continues

Associate Professor, Karadeniz Technical University, Fen Fakültesi, Kimya, 2010 - 2015

Assistant Professor, Karadeniz Technical University, Giresun Fen Edebiyat Fakültesi, Kimya, 2001 - 2008

Research Assistant, Karadeniz Technical University, Fen Edebiyat Fakültesi, Kimya, 1993 - 2001

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

- I. Development of biobased, sustainable and environmentally friendly glycerol ester rosins for the production of thermoplastic road marking paint

Yılmaz B., Deniz İ., Fazlı H., Bekircan O., Gültekin E., Pranovich A.

JOURNAL OF APPLIED POLYMER SCIENCE, vol.0, no., pp.1-10, 2024 (SCI-Expanded)

- II. **Sustainable Thermoplastic Road Marking Paint Production from Natural Modified Rosins**  
YILMAZ B., DENİZ İ., Fazlı H., BEKİRCAN O., Pranovich A., Karaogul E.  
BIORESOURCES, vol.19, no.2, pp.2160-2178, 2024 (SCI-Expanded)
- III. **A green and simplified approach for the quantitative and sensitive analysis of heavy metal ions in sea and stream waters**  
Duran C., Camoglu A., Ozdes D., Bekircan O.  
WATER SCIENCE AND TECHNOLOGY, vol.88, no.11, pp.2862-2872, 2023 (SCI-Expanded)
- IV. **Metallo-phthalocyanines Containing 1,3,4-oxadiazole Substituents: Synthesis, Characterization, Electrochemical and Spectroelectrochemical Properties**  
Akyüz D., DEMİRBAŞ Ü., BEKİRCAN O.  
ChemistrySelect, vol.8, no.13, 2023 (SCI-Expanded)
- V. **Enhancing the photocatalytic performance of Co(II) and Cu(II) phthalocyanine by containing 1,3,4-thiadiazole groups in 4-nitrophenol oxidation reaction**  
SAKA E. T., Tekintas K., BEKİRCAN O., BIYIKLIOĞLU Z.  
Inorganica Chimica Acta, vol.547, 2023 (SCI-Expanded)
- VI. **1,3,4-Thiadiazole and 1,2,4-triazole-5-thione derivatives bearing 2-pentyl-5-phenyl-2,4-dihydro-3H-1,2,4-triazole-3-one ring: Synthesis, molecular docking, urease inhibition, and crystal structure**  
Gultekin E., BEKİRCAN O., KARA Y., GÜLER H. İ., Soylu M. S., KOLAYLI S.  
ARCHIV DER PHARMAZIE, vol.356, no.1, 2023 (SCI-Expanded)
- VII. **Synthesis of water soluble copper(II), manganese(III) phthalocyanines and their photocatalytic performances in benzyl alcohol photooxidation**  
Fazlı H., Akkol Ç., OSMANOĞULLARI S. C., BIYIKLIOĞLU Z., SAKA E. T., BEKİRCAN O.  
Journal of Organometallic Chemistry, vol.983, 2023 (SCI-Expanded)
- VIII. **Design and synthesis of new heterocyclic compounds containing 5-[(1H-1,2,4-triazol-1-yl)methyl]-3H-1,2,4-triazole-3-thione structure as potent hEGFR inhibitors**  
KOLCUOĞLU Y., BEKİRCAN O., Fazlı H., Sahin E., TÜRE A., AKDEMİR A., Hamarat Sanlier S.  
Journal of Biomolecular Structure and Dynamics, vol.41, no.22, pp.12753-12767, 2023 (SCI-Expanded)
- IX. **In vitro, in silico and Pharmacotoxicological Efficiencies of some Triazole Derivatives on Inhibition of Digestive Enzyme Alpha-amylase**  
Demir E., ÇOLAK A., Uzuner S. C., YAŞAR A., BEKİRCAN O., Kabahasanoglu A.  
BRAZILIAN ARCHIVES OF BIOLOGY AND TECHNOLOGY, vol.65, 2022 (SCI-Expanded)
- X. **Synthesis, characterization, photophysical and photochemical properties of peripherally tetra-1,2,4-triazol-3-ylthio substituted metal-free phthalocyanine and its zinc(II) and lead(II) derivatives**  
DEMİRBAŞ Ü., Yanik H., AKÇAY H. T., Durmus M., BEKİRCAN O., KANTEKİN H.  
JOURNAL OF COORDINATION CHEMISTRY, vol.75, no.3-4, pp.448-456, 2022 (SCI-Expanded)
- XI. **Monoamine oxidase A and B inhibitory activities of 3,5-diphenyl-1,2,4-triazole substituted [1,2,4]triazolo[3,4-b][1,3,4]thiadiazole derivatives**  
BEKİRCAN O., DANIŞ Ö., Sahin M. E., Cetin M.  
BIOORGANIC CHEMISTRY, vol.118, 2022 (SCI-Expanded)
- XII. **Preparation, characterization and photocatalytic activity of novel 1,2,4-triazole based Cu(II) and Zn(II) phthalocyanines modified TiO<sub>2</sub> nanoparticles**  
Tekintas K., KESMEZ Ö., BEKİRCAN O., SAKA E. T.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1248, 2022 (SCI-Expanded)
- XIII. **Sulfur bridged new metal-free and metallo phthalocyanines carrying 1,2,4-triazole rings and their photophysicochemical properties**  
MISIR M. N., Misir G., BEKİRCAN O., KANTEKİN H., Ozturk D., Durmus M.  
POLYHEDRON, vol.207, 2021 (SCI-Expanded)
- XIV. **Synthesis of new 1,2,4-triazole-(thio)semicarbazide hybrid molecules: Their tyrosinase inhibitor activities and molecular docking analysis**

- Gultekin E., BEKİRCAN O., KOLCUOĞLU Y., AKDEMİR A.  
Archiv der Pharmazie, vol.354, no.8, 2021 (SCI-Expanded)
- XV. **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)
- XVI. **Synthesis and evaluation of lipase inhibitory activities of substituted 1,2,4-triazole derivatives**  
Ozdemir Y., BEKİRCAN O., ÇOLAK A., DOKUZPARMAK Ç.  
INDIAN JOURNAL OF CHEMISTRY SECTION B-ORGANIC CHEMISTRY INCLUDING MEDICINAL CHEMISTRY, vol.59, no.9, pp.1409-1417, 2020 (SCI-Expanded)
- XVII. **Synthesis and kinetics studies of N'-(2-(3,5-disubstituted-4H-1,2,4-triazol-4-yl)acetyl)-6/7/8-substituted-2-oxo-2H-chromen-3-carbohydrazide derivatives as potent antidiabetic agents**  
Mentese E., Baltas N., BEKİRCAN O.  
ARCHIV DER PHARMAZIE, vol.352, no.12, 2019 (SCI-Expanded)
- XVIII. **Inhibition of urease by some new synthesized 1,2,4-triazol derivatives: Inhibition mechanism and molecular docking**  
KALFA A., DEMİR E., ÇOLAK A., YAŞAR A., BEKİRCAN O.  
INDIAN JOURNAL OF CHEMISTRY SECTION B-ORGANIC CHEMISTRY INCLUDING MEDICINAL CHEMISTRY, vol.58, no.6, pp.720-726, 2019 (SCI-Expanded)
- XIX. **Synthesis of 1,2,4-triazole-5-on derivatives and determination of carbonic anhydrase II isoenzyme inhibition effects**  
AKIN S., AYALOĞLU H., GULTEKİN E., ÇOLAK A., BEKİRCAN O., Akatin M. Y.  
Bioorganic Chemistry, vol.83, pp.170-179, 2019 (SCI-Expanded)
- XX. **Synthesis and electrochemical properties of peripheral, non-peripheral tetra [2-(3,5-diphenyl-1H-1,2,4-triazol-1-yl)ethoxy] substituted cobalt(II), manganese(III) phthalocyanines**  
KELES T., BIYIKLIOĞLU Z., GULTEKİN E., BEKİRCAN O.  
INORGANICA CHIMICA ACTA, vol.487, pp.201-207, 2019 (SCI-Expanded)
- XXI. **Investigation of tyrosinase inhibition by some 1,2,4 triazole derivative compounds: In vitro and in silico mechanisms**  
DEMİR E., ÇOLAK A., KALFA A., YAŞAR A., BEKİRCAN O., Akatin M. Y.  
Turkish Journal of Biochemistry, vol.44, no.4, pp.473-481, 2019 (SCI-Expanded)
- XXII. **Synthesis, biological activities and molecular docking studies of some novel 2,4,5-trisubstituted-1,2,4-triazole-3-one derivatives as potent tyrosinase inhibitors**  
Akin S., Demir E., Çolak A., Kolcuoğlu Y., Yıldırım N., Bekircan O.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1175, pp.280-286, 2019 (SCI-Expanded)
- XXIII. **A Study On Synthesis, Biological Activities and Molecular Modelling of Some Novel Trisubstituted 1,2,4-Triazole Derivatives**  
Gultekin E., KOLCUOĞLU Y., AKDEMİR A., Sirin Y., BEKTAŞ H., BEKİRCAN O.  
CHEMISTRYSELECT, vol.3, no.31, pp.8813-8818, 2018 (SCI-Expanded)
- XXIV. **Electrochemical and spectroelectrochemical study on novel non-peripherally tetra 1,2,4-triazole substituted phthalocyanines**  
DEMİRBAŞ Ü., Akyuz D., AKCAY H. T., KOCA A., BEKİRCAN O., KANTEKİN H.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1155, pp.380-388, 2018 (SCI-Expanded)
- XXV. **Synthesis and Biological Significances of New Heterocyclic Compounds Containing 5-(4-Chlorobenzyl)-3-(4-Chlorophenyl)-1H-1,2,4-triazol Ring**  
Ozdemir Y., Gultekin E., BEKİRCAN O.  
JOURNAL OF THE CHEMICAL SOCIETY OF PAKISTAN, vol.39, no.6, pp.1055-1067, 2017 (SCI-Expanded)
- XXVI. **A Novel Carrier Element-free Co-precipitation Method for Separation/Preconcentration of Lead and Cadmium Ions from Environmental Matrices**  
BULUT V. N., Demirci H., ÖZDEŞ D., GÜNDOĞDU A., BEKİRCAN O., SOYLAK M., DURAN C.  
ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY, vol.35, no.6, pp.1709-1715, 2016 (SCI-Expanded)
- XXVII. **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)

- XXVIII. **Synthesis, structural characterizations, and electrochemical and spectroelectrochemical properties of novel peripherally octa-substituted metallophthalocyanines**  
Kantekin H., Sarkı G., Koca A., Bekircan O., Aktaş A., Kobak R. Z., Sağlam M. B.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, pp.53-62, 2015 (SCI-Expanded)
- XXIX. **Synthesis and antioxidant activities of some new triheterocyclic compounds containing benzimidazole, thiophene, and 1,2,4-triazole rings**  
Mentese E., Yılmaz F., Baltas N., BEKİRCAN O., KAHVECİ B.  
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.30, no.3, pp.435-441, 2015 (SCI-Expanded)
- XXX. **1,2,4-Triazole-substituted metallophthalocyanines carrying redox active cobalt(II), manganese(III), titanium(IV) center and their electrochemical studies**  
Cakir D., BEKİRCAN O., BIYIKLIOĞLU Z.  
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- XXXI. **Synthesis and electrochemical properties of axially disubstituted silicon phthalocyanine and peripherally tetra substituted manganese (III) phthalocyanine bearing 1,2,4-triazole substituents**  
BIYIKLIOĞLU Z., BEKİRCAN O.  
SYNTHETIC METALS, vol.200, pp.148-155, 2015 (SCI-Expanded)
- XXXII. **Synthesis of some novel heterocyclic compounds derived from 2-[3-(4-chlorophenyl)-5-(4-methoxybenzyl)-4H-1,2,4-triazol-4-yl]acetohydrazide and investigation of their lipase and alpha-glucosidase inhibition**  
BEKİRCAN O., Ulker S., Mentese E.  
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.30, no.6, pp.1002-1009, 2015 (SCI-Expanded)
- XXXIII. **A Novel Iron(III)-Selective Membrane Potentiometric Sensor Based on 5-Chloro-3-[4-(trifluoromethoxy) phenylimino] Indolin-2-one**  
Demir E., Kemer B., BEKİRCAN O., Aboul-Enein H. Y.  
CURRENT ANALYTICAL CHEMISTRY, vol.11, no.1, pp.29-35, 2015 (SCI-Expanded)
- XXXIV. **Microwave Assisted Synthesis of Some Novel 2-(3-Chlorobenzyl)-1H-Benzimidazole Derivatives and Determination of Their Antimicrobial Activity and pKa Values**  
Mentese E., BEKİRCAN O., Islamoglu F., Beris F. S.  
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- XXXV. **Synthesis and Pharmacological Activities of Some New 2-[1-Heptyl-3-(4-methoxybenzyl)-5-oxo-1,5-dihydro-4H-1,2,4-triazol-4-yl]acetohydrazide Derivatives**  
BEKİRCAN O., Mentese E., Ulker S.  
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION B-A JOURNAL OF CHEMICAL SCIENCES, vol.69, pp.969-981, 2014 (SCI-Expanded)
- XXXVI. **The synthesis and structural characterization of new metallo phthalocyanines with 1,2,4-triazole fragments**  
Bayrak R., BEKİRCAN O., Durmus M., DEĞİRMENCİOĞLU İ.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.767, pp.101-107, 2014 (SCI-Expanded)
- XXXVII. **Synthesis of Some New 1,2,4-Triazole Derivatives Starting from 3-(4-Chlorophenyl)-5-(4-methoxybenzyl)-4H-1,2,4-triazol with Anti-Lipase and Anti-Urease Activities**  
BEKİRCAN O., Mentese E., Ülker S., Küçük C.  
ARCHIV DER PHARMAZIE, vol.347, no.6, pp.387-397, 2014 (SCI-Expanded)
- XXXVIII. **Microwave-assisted synthesis of new benzimidazole derivatives with lipase inhibition activity**  
Mentese E., Bektas H., Ulker S., BEKİRCAN O., KAHVECİ B.  
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.29, no.1, pp.64-68, 2014 (SCI-Expanded)
- XXXIX. **Synthesis of Unsymmetrical 3,5-disubstituted 1,2,4-triazole Derivatives with Their pKa Values**  
BEKİRCAN O., İSLAMOĞLU F., MENTEŞE E., KAHVECİ B.

REVISTA DE CHIMIE, vol.65, no.1, pp.20-25, 2014 (SCI-Expanded)

- XL. **Efficient Synthesis of 5-(Substituted)benzyl-2,4-Dihydro-3H-1,2,4-Triazol-3-Ones Using Microwave Irradiation**  
KAHVECİ B., Mentese E., Ozil M., BEKİRCAN O.  
JOURNAL OF THE CHEMICAL SOCIETY OF PAKISTAN, vol.35, no.2, pp.411-414, 2013 (SCI-Expanded)
- XLII. **Use of ester formylhydrazones for the synthesis of 1,2,4-triazole and 1,3,4-oxadiazole derivatives**  
YILDIRIM N., BEKİRCAN O.  
JOURNAL OF CHEMICAL RESEARCH, no.3, pp.160-163, 2013 (SCI-Expanded)
- XLII. **Microwave-assisted synthesis of new benzimidazole derivatives with lipase inhibition activity** Read More: <http://informahealthcare.com/doi/abs/10.3109/14756366.2012.75388>  
Menteşe E., Bektaş H., Ülker S., BEKİRCAN O., KAHVECİ B.  
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.29, no.1, pp.64-68, 2013 (SCI-Expanded)
- XLIII. **4-amino-3-(p-chlorophenyl)-5-(p-mrthoxybenzyl)-4H-1,2,4-triazole: X-ray and DFT-calculated Structures**  
BEKİRCAN O., Şahin O., Şahin O., Şahin O., Şahin O., Şahin O.  
CHINESE JOURNAL OF STRUCTURAL CHEMISTRY, vol.30, no.5, pp.731-737, 2011 (SCI-Expanded)
- XLIV. **DETERMINATION OF PROTONATION CONSTANTS OF SOME 3-ALKYL(ARYL)-4-(p-t-BUTYL(BENZYL/BENZYLIDEN)AMINO)-4,5-DIHYDRO-1H-1,2,4-TRIAZOLE-5-ONE DERIVATIVES IN ETHANOL-WATER MIXTURES**  
İSLAMOĞLU F., AKSU İ., Kahveci B., BEKİRCAN O.  
BULLETIN OF THE CHEMICAL SOCIETY OF ETHIOPIA, vol.24, no.2, pp.185-192, 2010 (SCI-Expanded)
- XLV. **Synthesis of 1,2,4-Triazole Derivatives and Determination of Protonation Constant**  
İSLAMOĞLU F., Kahveci B., Bekircan O.  
ASIAN JOURNAL OF CHEMISTRY, vol.21, no.7, pp.5523-5534, 2009 (SCI-Expanded)
- XLVI. **Synthesis and Characterization of Some New 3-(4-tert-Butylphenyl)-5-phenyl-4H-1,2,4-triazole Derivatives**  
Bekircan O.  
ASIAN JOURNAL OF CHEMISTRY, vol.21, no.2, pp.1017-1023, 2009 (SCI-Expanded)
- XLVII. **Carrier element-free coprecipitation (CEFC) method for the separation, preconcentration and speciation of chromium using an isatin derivative**  
BULUT V. N., Ozdes D., Bekircan C., GÜNDOĞDU A., DURAN C., SOYLAK M.  
ANALYTICA CHIMICA ACTA, vol.632, no.1, pp.35-41, 2009 (SCI-Expanded)
- XLVIII. **Microwave-assisted synthesis and antifungal activity of some new 1H-1,2,4-triazole derivatives**  
Kahveci B., Özil M., Menteşe E., Bekircan O., Buruk K.  
RUSSIAN JOURNAL OF ORGANIC CHEMISTRY, vol.44, no.12, pp.1816-1820, 2008 (SCI-Expanded)
- XLIX. **Synthesis and Anticancer Evaluation of Some New 4-Amino-3-(p-methoxybenzyl)-4,5-dihydro-1,2,4-triazole-5-one Derivatives**  
BEKİRCAN O., KÜÇÜK M., Kahveci B., Bektas H.  
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION B-A JOURNAL OF CHEMICAL SCIENCES, vol.63, no.11, pp.1305-1314, 2008 (SCI-Expanded)
- L. **Novel metallophthalocyanines bearing 3-(p-chlorophenyl)-5-p-toyl-4H-1,2,4-triazole bulky substituents by microwave irradiation**  
BEKİRCAN O., BIYIKLIOĞLU Z., ACAR İ., BEKTAS H., KANTEKİN H.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.693, pp.3425-3429, 2008 (SCI-Expanded)
- LI. **Synthesis of Schiff and Mannich bases of isatin derivatives with 4-Amino-4,5-dihydro-1H-1,2,4-triazole-5-ones**  
BEKİRCAN O., BEKTAŞ H.  
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- LII. **Synthesis and antioxidant properties of some new 3-(4-chlorophenyl)-5-(pyridin-4-yl)-4H-1,2,4-triazole derivatives**  
BEKİRCAN O., Ozen T., Gumrukcuoglu N., Bektas H.

- LIII. **A New pH Indicator Based on 2, 5-Diaryl-1-salicylideneamino-1, 3, 4-triazole Derivative**  
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- LIV. **Synthesis of Some N-Alkoxy carbonyl-N''-benzoyl-benzamidrazones (p-toluamidrazones) and 1, 3, 5-Trisubstituted 1, 2, 4-Triazole Derivatives from N-Benzoylimidates and their Antimicrobial and Anticancer Screening Studies**  
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- LV. **Synthesis, crystal and molecular structure of 3-phenyl-5-p-tolyl-4(3,4,5-trimethoxybenzylideneamino)-4H-1,2,4-triazole**  
Kazak C., Yilmaz V. T., Agar E., Bekircan O.  
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- LVI. **Synthesis of new bis-1,2,4-triazole derivatives**  
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- LVII. **Synthesis and anticancer evaluation of some new unsymmetrical 3,5-diaryl-4H-1,2,4-triazole derivatives**  
Berikrcan O., Kahveci B., Küçük M.  
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- LVIII. **Synthesis and antimicrobial activity of some 3-alkyl-4-(arylmethyleneamino)-4, 5-dihydro-1H-1, 2, 4-triazol-5-ones**  
KAHVECİ B., BEKİRCAN O., Karaođlu Ş. A.  
Indian J. Chem. B, vol.44, pp.2614-2617, 2005 (SCI-Expanded)
- LIX. **Synthesis of some 3,5-biphenyl-4H-1,2,4-triazole derivatives as antitumor agents**  
Bekircan O., Gumrukcuoglu N.  
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- LX. **Convenient synthesis of fused heterocyclic 1,3,5-triazines from some N-acyl imidates and heterocyclic amines as anticancer and antioxidant agents**  
Bekircan O., Kuxuk M., Kahveci B., Kolaylı S.  
ARCHIV DER PHARMAZIE, vol.338, no.8, pp.365-372, 2005 (SCI-Expanded)
- LXI. **3,5-Diphenyl-4-(3,4,5-trimethoxybenzylamino)-4H-1,2,4-triazole**  
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- LXII. **4-(2,6-dichlorobenzylamino)-3,5-diphenyl-4H-1,2,4-triazole**  
Atalay S., Yavuz M., Bekircan O., Karaolu S., Sahinbas E., Sasmaz S.  
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- LXIII. **4-(2,4-dichlorobenzylamino)-3-phenyl-5-p-tolyl-4H-1,2,4-triazole**  
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- LXIV. **1-methyl-3,5-diphenyl-1H-1,2,4-triazole**  
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- I. **Cytotoxic effect of a 3-(4-chlorophenyl)-5-(4-methoxybenzyl)-4H-1,2,4-triazole derivative compound in human melanoma cells**  
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INTERNATIONAL JOURNAL OF BIOLOGY AND CHEMISTRY, vol.14, no.1, pp.139-148, 2021 (ESCI)
- II. **Synthesis of some new 1,2,4-triazole derivatives, investigation of their fluorescence properties and biological activities**  
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- I. **Synthesis of New Water Soluble Cu(II) and Mn(III) Phthalocyanines and Investigation of Their Photocatalytic Activities on the Photooxidation of Benzyl Alcohol**  
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4.EBAT Eurasia Biochemical Approaches Technologies Congress, Antalya, Turkey, 3 - 06 November 2022, pp.78
- II. **Ring opening polymerization (ROP) of 2[3,5 -diphenyl-1H-1,2,4-triazol-1-yl]ethanol with  $\epsilon$ -caprolactonand synthesis of homopolymer and copolymers with atom transfer radical polymerization (ATRP),investigation of photocatalic properties**  
Mutlu S., Islami S., Bekircan O., Savaşkan Yılmaz S.  
7th European Symposium of Photopolymer Science, İstanbul, Turkey, 19 - 22 September 2022, pp.65
- III. **SULFUR BRIDGED NEW METALL-FREE AND METALLO PHTHALOCYANINES CARRYING 1,2,4-TRIAZOLE RINGS AND THEIR PHOTO-PHYSIOCHEMICAL PROPERTIES**  
Mısır M. N., Mısır G., Bekircan O., Kantekin H., Öztürk D., Durmuş M.  
VIII. Ulusal Anorganik Kimya Kongresi, Tekirdağ, Turkey, 2 - 05 September 2021, pp.88
- IV. **AMYLASE INHIBITION EFFECIENCE OF SOME FLUORINE-CONTAINING 1,2,4-TRIAZOLE-5-ON DERIVATIVES**  
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- V. **Investigation of inhibitor activity on newly synthesized Novel trisubstieue 1,2,4triazole compounds on AChE**  
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1. Ebat Congress, 27 - 30 October 2018
- VI. **A study on the Synthesis and Tyrosinase Activities of Some Novel Semicarbazide Analogs**  
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1. EBAT CONGRESS, 27 - 30 October 2018
- VII. **Cytotoxic Effects of a 1,2,4-triazole-3-one derivative complex in Human Melanoma Cells**  
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1. EUROASIA BIOCHEMICAL APPROACHES TECHNOLOGIES, 27 - 30 October 2018
- VIII. **Investigation of Tyrosinase Activities of Some Thiosemicarbazide Derivatives Containing 1,2,4-Triazole-3-on Ring**  
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1. EBAT CONGRESS, 27 - 30 October 2018
- IX. **New Mercapto-1,2,4-triazole Compounds as Candidate Molecules for Ulcer Treatment**  
ZEHİR KIRKBİR G., KOLCUOĞLU Y., BEKİRCAN O., ÇOLAK A.  
1. Ebat Congress, 27 - 30 October 2018
- X. **Inhibition of Canavalia ensiformis urease with new 1,2,4-triazole compounds**  
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1. EBAT CONGRESS, 27 - 30 October 2018
- XI. **The Inhibitory Effects Of Some Newly Synthesized 1,2,4 Triazole-5-one Derivatives On Carbonic Anhydrase-II Activity**  
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1. Euroasia Biochemical Approaches & Technologies Congress (EBAT2018), Antalya, Turkey, 27 - 30 October 2018, pp.1
- XII. **Determination K Shell Fluorescence Parameters for Titanium, Its Compounds and Complexes By Means of 5.96 keV Photons**  
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33rd International Physics Congress of the Turkish-Physical-Society (TPS), Bodrum, Turkey, 6 - 10 September 2017, vol.1935
- XIII. **In vitro alpha amylase inhibition activity of a new triazole compound on amylase over-expressing pancreas cancer cells**  
Ayazoğlu Demir E., Çelik Uzuner S., Çolak A., Bekircan O.  
3rd International Convention of Pharmaceuticals and Pharmacies, İstanbul, Turkey, 26 - 29 April 2017, pp.589
- XIV. **In vitro alpha amylase inhibition activity of a new triazole compound on amylase over-expressing pancreas cancer cells**  
Ayazoğlu Demir E., ÇELİK UZUNER S., ÇOLAK A., BEKİRCAN O.  
3. İVEK Uluslararası İlaç ve Eczacılık Kongresi, İstanbul, Turkey, 26 - 29 April 2017
- XV. **Biochemical Kinetics And Molecular Docking Studies On Alpha Amylase Inhibition By Some Novel 1 2 4 Triazole Derivative Compounds**  
Ayazoğlu Demir E., ÇOLAK A., BEKİRCAN O., YAŞAR A., Kalfa A.  
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- XVI. **Synthesis and Anti Lipase Activity of some New Hydrazone Derivatives Containing 5 4 chlorobenzyl 2 Undecyl 2 4 Dihydro 3H 1 2 4 triazol 3 on Ring**  
Özdemir Y., BEKİRCAN O.  
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- XVII. **Synthesis of Some New 1 2 4 Triazole Derivatives and Their Anti Lipase Activities**  
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- XVIII. **In vitro inhibition of tyrosinase by some 1,2,4 triazole derivative compounds: Inhibition mechanism and molecular docking**  
Ayazoğlu Demir E., Kalfa A., ÇOLAK A., YAŞAR A., BEKİRCAN O., YILDIRIM AKATIN M.  
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- XX. **Carrier Element Free Coprecipitation with 3-(4-Tert-Butylphenyl)-5-Phenyl-4-(2-Hydroxy-4Methoxybenzylamino)-4H-1,2,4-Triazole for Separation/Preconcentration of Pb(II) and Cd(II) from Various Matrix**  
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- XXI. **Carrier element-free coprecipitation (CEFC) method for speciation of chromium**  
BULUT V. N., Özdeş D., BEKİRCAN O., Gündoğdu A., DURAN C., Soylak M.  
6th Aegean Analytical Chemistry Days, Denizli, Turkey, 9 - 12 October 2008, pp.310
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- XXIV. **3-Fenil-5- p - Tolil- 4- (2-Hidroksibenzilideb amino)-4H-1,2,4-Triazol Bileşiğinin Yeni Bir pH İndikatörü Olarak Kullanılabilirliğinin Araştırılması**  
BULUT V. N., DURAN C., Gündoğdu A., Kemer B., BEKİRCAN O.  
III. Ulusal Analitik Kimya Kongresi, Çanakkale, Turkey, 5 - 07 July 2006, pp.183
- XXV. **Bazı Kaynaşmış Heterohalkalı Bileşiklerin Antioksidan Özellikleri**  
KÜÇÜK M., BEKİRCAN O., KOLAYLI S., ULUSOY E.  
XVIII. Ulusal Kimya Kongresi, Kars, Turkey, 5 - 09 July 2004, pp.539
- XXVI. **5-Amino-1H-tetrazol ve 2-Amino-5-merkapt-1,3,4-tiyadiazol'un Bazı Reaksiyonlarının İncelenmesi**  
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## Supported Projects

- KOLCUOĞLU Y., Akdemir A., BEKİRCAN O., Şanlıer Ş., Demirci A., TUBITAK Project, Antikanser adayı ve potansiyel hEGFR inhibitörü olarak yeni 1,2,4-triazol bileşiklerinin sentezi ve biyokimyasal özelliklerinin incelenmesi, 2018 - Continues
- BEKİRCAN O., KOLCUOĞLU Y., TUBITAK Project, 1,2,4-Triazol-3-on halkası içeren yeni (tiyo)semikarbazid türevi bileşiklerin sentezi ve Trosinaz aktivitesi üzerine etkilerinin incelenmesi, Continues
- BEKİRCAN O., ŞAHİN M. E., Project Supported by Higher Education Institutions, 3,5-Difenil 1,2,4-Triazol Halkası İçeren 1,2,4-Triazolo-tiyadiazol Türevlerinin Sentezi ve Biyolojik Aktivitelerinin İncelenmesi, 2018 - 2019
- Ayazoğlu Demir E., Çolak A., Bekircan O., Çelik Uzuner S., Project Supported by Higher Education Institutions, Bazı Triazol Türevlerinin Klinik Öneme Sahip Alfa Amilaz ve Tirosinaz İnhibisyon Potansiyellerinin İn Vitro ve İn Siliko Olarak İncelenmesi, 2017 - 2019
- MISIR M. N., DURMUŞ M., BEKİRCAN O., MISIR G., Project Supported by Higher Education Institutions, Bazı Yeni 124Triazol Halkası İçeren Kükürt Köprülü Metalli ve Metalsiz Ftalosiyanınların Sentezi ve Foto Dinamik Terapideki Aktivitelerinin İncelenmesi., 2017 - 2018
- ÇELİK UZUNER S., BEKİRCAN O., AYAZOĞLU E., Project Supported by Higher Education Institutions, Bazı Yeni Triazol Bileşiklerinin Klinik Öneme Sahip Alfa Amilaz İnhibisyonu Potansiyellerinin Hücre Kültürü Çalışmalarıyla İncelenmesi, 2016 - 2017
- BEKİRCAN O., Özdemir Y., Project Supported by Higher Education Institutions, Unsimetrik 3,5-Disubstitue 4H-124Triazol-4-il Asetohidrazid Türevlerinin Sentezi ve Reaksiyonlarının İncelenmesi, 2014 - 2016
- YAŞAR A., ÇOLAK A., BEKİRCAN O., TUBITAK Project, Yeni Sentezlenmiş Bazı Triazol Bileşiklerinin Klinik ve/veya Endüstriyel Öneme Sahip Bazı Enzimlerin İnhibisyonu Üzerine Etkisinin Kinetik Olarak ve Moleküller Modellemeyle İncelenmesi, 2014 - 2016
- Çolak A., Yaşar A., Bekircan O., TUBITAK Project, Yeni sentezlenmiş bazı triazol bileşiklerinin klinik ve/veya endüstriyel

öneme sahip bazı enzimlerin inhibisyonu üzerine etkisinin kinetik olarak ve moleküler modelleme ile incelenmesi, 2014 - 2016

BEKİRCAN O., Project Supported by Higher Education Institutions, 3,5-Disubstitue-1,2,4-Triazol Halkası İçeren Yeni Heterosiklik Bileşiklerin Sentezi, 2013 - 2014

BEKİRCAN O., Project Supported by Higher Education Institutions, 1,2,4-Triazol Halkası İçeren Yeni Heterosiklik Bileşiklerin Sentezi, 2011 - 2012

BEKİRCAN O., Project Supported by Higher Education Institutions, Bazı Yeni 3.5-Disubstitue-4h-1.2.3-Triazol Türevlerinin Sentezi, 2009 - 2011

## **Memberships / Tasks in Scientific Organizations**

PUBLONS, Member, 2021 - Continues, Turkey

## **Metrics**

Publication: 103

Citation (WoS): 776

Citation (Scopus): 825

H-Index (WoS): 18

H-Index (Scopus): 18

## **Congress and Symposium Activities**

Biochemical Kinetics And Molecular Docking Studies on Tyrosinase Inhibition By Some Novel 1,2,4-Triazole Derivative Compounds, Attendee, İstanbul, Turkey, 2015

In Vitro Inhibition Of Tyrosinase By Some 1,2,4 Triazole Derivative Compounds: Inhibition Mechanism And Molecular Docking, Attendee, İstanbul, Turkey, 2015

Investigation Of Urease Inhibition By Some 1,2,4 Triazol Derivatives, Attendee, İstanbul, Turkey, 2015

Triazol ve Oksadiazol Halkası İçeren Bazı Heterosiklik Bileşiklerin Sentezive Biyolojik Özelliklerinin İncelenmesi, Attendee, Antalya, Turkey, 2015

## **Non Academic Experience**

KARADENİZ TEKNİK ÜNİVERSİTESİ