

## Prof. YAHYA GÜZEL



### Personal Information

Office Phone: [+90 352 207 6666](tel:+903522076666) Extension: 33163

Fax Phone: [+90 352 437 4933](tel:+903524374933)

Email: [yguzel@erciyes.edu.tr](mailto:yguzel@erciyes.edu.tr)

Web: <http://aves.erciyes.edu.tr/yguzel/>



### International Researcher IDs

ScholarID: 7Q\_Oo00AAAAJ

ORCID: 0000-0002-4698-1866

ScopusID: 56919842500

Yoksis Researcher ID: 8294

### Education Information

Doctorate, Erciyes University, Fen Bilimleri Ens., Kimya, Turkey 1986 - 1990

Postgraduate, Ataturk University, Fen Bilimleri Ens., Kimya, Turkey 1985 - 1986

Undergraduate, Ankara University, Faculty Of Science, -, Turkey 1979 - 1983

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Stirenin Polimerizasyon Reaksiyonunun Kesikli bir Reaktörde Dinamik Özelliklerinin İncelenmesi, Erciyes University, Fen Bilimleri Enstitüsü, 1990

Postgraduate, 3,4-Dihalojen-7,8-Dioksa trisiklo[4.2.2.0 2,5]dek-9-en bileşiklerinin trietilamin ile reaksiyonları, Ataturk University, Kimya, 1984

### Research Areas

Chemistry, Physical Chemistry, Computational Chemistry, Quantum Mechanics, Natural Sciences

### Academic Titles / Tasks

Professor, Erciyes University, Fen Fakültesi, Kimya , 2002 - Continues

Associate Professor, Erciyes University, Fen Fakültesi, Kimya , 1996 - 2002

Assistant Professor, Erciyes University, Fen Fakültesi, Kimya , 1992 - 1996

### Courses

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

- I. **Comparison of the performance of different “local reactive descriptors” in 3D-QSAR analysis of enantioselective molecules**  
Kizilcan D. S., TÜRKMENOĞLU B., GÜZEL Y.  
Structural Chemistry, vol.33, no.2, pp.433-443, 2022 (SCI-Expanded)
- II. **Investigation of inhibitory activity of monoamine oxidase A with 4D-QSAR using Fukui indices identifier**  
TÜRKMENOĞLU B., GÜZEL Y., Su E. M., Kizilcan D. Ş.  
Materials Today Communications, vol.25, 2020 (SCI-Expanded)
- III. **The use of the Klopman index as a new descriptor for pharmacophore analysis on strong aromatase inhibitor flavonoids against estrogen-dependent breast cancer**  
Kizilcan D. S., TÜRKMENOĞLU B., GÜZEL Y.  
STRUCTURAL CHEMISTRY, vol.31, no.4, pp.1339-1351, 2020 (SCI-Expanded)
- IV. **Investigation of 3D pharmacophore of N-benzyl benzamide molecules of melanogenesis inhibitors using a new descriptor Klopman index: uncertainties in model**  
Tokat T. A., Türkmenoğlu B., GÜZEL Y., Kizilcan D. S.  
JOURNAL OF MOLECULAR MODELING, vol.25, no.8, 2019 (SCI-Expanded)
- V. **Molecular docking and 4D-QSAR studies of metastatic cancer inhibitor thiazoles**  
TÜRKMENOĞLU B., GÜZEL Y.  
Computational Biology and Chemistry, vol.76, pp.327-337, 2018 (SCI-Expanded)
- VI. **4D-QSAR Studies Using a New Descriptor of the Klopman Index: Antibacterial Activities of Sulfone Derivatives Containing 1, 3, 4-Oxadiazole Moiety Based on MCET Model**  
GÜZEL Y., Aslan E., TÜRKMENOĞLU B., Su E. M.  
CURRENT COMPUTER-AIDED DRUG DESIGN, vol.14, no.3, pp.207-220, 2018 (SCI-Expanded)
- VII. **Amino substituted nitrogen heterocycle ureas as kinase insert domain containing receptor (KDR) inhibitors: Performance of structure-activity relationship approaches**  
Yilmaz H., Sizochenko N., Rasulev B., TOROPOV A., GÜZEL Y., KUZ'MIN V., Leszczynska D., Leszczynski J.  
JOURNAL OF FOOD AND DRUG ANALYSIS, vol.23, no.2, pp.168-175, 2015 (SCI-Expanded)
- VIII. **Pharmacophore and Functional Group Identification of 4,4'-dihydroxydiphenylmethane as Bisphenol-A (BSA) Derivative**  
Yilmaz H., BOZ M., TÜRKMENOĞLU B., GÜZEL Y.  
TROPICAL JOURNAL OF PHARMACEUTICAL RESEARCH, vol.13, no.1, pp.117-126, 2014 (SCI-Expanded)
- IX. **4D-QSAR Study of p56(lck) Protein Tyrosine Kinase Inhibitory Activity of Flavonoid Derivatives Using MCET Method**  
Yilmaz H., GÜZEL Y., Onal Z., Altıparmak G., Kocakaya S. O.  
BULLETIN OF THE KOREAN CHEMICAL SOCIETY, vol.32, no.12, pp.4352-4360, 2011 (SCI-Expanded)
- X. **4D-QSAR Study of p56lck Protein Tyrosine Kinase Inhibitory Activity of Flavonoid Derivatives Using MCET Method”**  
Yilmaz H., Güzel Y., Kökbudak Z., Altıparmak G., Kocakaya S.  
Bulletin Of The Korean Chemical Society, vol.32, no.12, pp.1-9, 2011 (SCI-Expanded)
- XI. **Study of the binding affinity for corticosteroid-binding globulin (CBG) using the Electron Topological Method (ETM) as three-dimensional quantitative structure-activity relationship (3D QSAR)**  
Guzel Y., OZTURK E.  
BIOORGANIC & MEDICINAL CHEMISTRY, vol.11, no.20, pp.4383-4388, 2003 (SCI-Expanded)
- XII. **Azaberbene derivatives as  $\alpha$ 2A-adrenoceptor antagonists**  
GÜZEL Y., Kopar A.

Archiv der Pharmazie, vol.335, no.1, pp.22-26, 2002 (SCI-Expanded)

- XIII. **Investigation of antiulcer activities of imidazo[1,2- $\alpha$ ]pyridinyl-2-alkylaminobenzoxazoles and 5,6,7,8-tetrahydroimidazo[1,2- $\alpha$ ]pyridinylbenzoxazoles with electron-topological (ET) method**  
Guzel Y., Kopar A.  
ARCHIV DER PHARMAZIE, vol.335, pp.27-32, 2002 (SCI-Expanded)
- XIV. **4-(-4-methoxybenzoyl)-5-(-4-methoxyphenyl)-2,3-dihydro-2,3-furandione, its synthesis, thermolysis and Diels-Alder reactions with Schiff bases: Experimental data and calculations**  
Saripinar E., GUZEL Y., ONAL Z., ILHAN I., AKCAMUR Y.  
JOURNAL OF THE CHEMICAL SOCIETY OF PAKISTAN, vol.22, no.4, pp.308-317, 2000 (SCI-Expanded)
- XV. **4 4 methoxybenzoyl 5 4 methoxyphenyl 2 3 dihydro 2 3 furandione its Synthesis Thermolysis and Diels Alder Reactions with Schiff Bases Experimental Data and Calculations**  
SARIPINAR E., GÜZEL Y., KÖKBUDAK Z., İLHAN İ. Ö. , Akçamur Y.  
Journal Of The Chemical Society Of Pakistan, vol.22, pp.308-317, 2000 (SCI-Expanded)
- XVI. **Electron-topological (ET) investigation of structure-antagonist activity of a series of dibenzo[a,d]cycloalkenimines**  
Guzel Y., Saripinar E., Yilidrim İ.  
THEOCHEM-JOURNAL OF MOLECULAR STRUCTURE, vol.418, no.1, pp.83-91, 1997 (SCI-Expanded)
- XVII. **Investigation of the relationship between chemical structure and anti-HIV-1 activity in a class of nucleoside analogues: Electron-topological approach**  
Dimoglo A. S. , Gorbachov M., Lesnik T., Saracoglu M., Guzel Y., Yildirim I.  
CURRENT MEDICINAL CHEMISTRY, vol.4, pp.23-34, 1997 (SCI-Expanded)
- XVIII. **Electron-topological investigation of the structure-antitubercular activity relationship of thiosemicarbazone derivatives**  
Saripinar E., Guzel Y., Patat S., Yildirim I., AKCAMUR Y., DIMOGLO A.  
ARZNEIMITTEL-FORSCHUNG/DRUG RESEARCH, vol.46, no.8, pp.824-828, 1996 (SCI-Expanded)
- XIX. **Investigation of the relationship between the inhibitory activity of glycolic acid oxidase (GAO) and its chemical structure: Electron-topological approach**  
Guzel Y.  
JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM, vol.366, pp.131-137, 1996 (SCI-Expanded)
- XX. **Norcaradiene-cycloheptatriene substituted in position 7: Investigation of the valence isomerization equilibrium**  
Guzel Y., Saripinar E., Yildirim I.  
MONATSHEFTE FÜR CHEMIE, vol.127, no.5, pp.513-517, 1996 (SCI-Expanded)
- XXI. **Investigation of the electronic structures of 1,4,5-substituted derivatives of 1H-pyrimidin-2-thione**  
Saripinar E., Yildirim I., Guzel Y., AKCAMUR Y.  
MONATSHEFTE FÜR CHEMIE, vol.127, no.5, pp.505-512, 1996 (SCI-Expanded)
- XXII. **Quantum-chemical investigations on the functionalized 1H-pyrimidines**  
Yildirim İ., TEZCAN M., GUZEL Y., Saripinar E., AKCAMUR Y.  
TURKISH JOURNAL OF CHEMISTRY, vol.20, no.1, pp.27-32, 1996 (SCI-Expanded)
- XXIII. **Electronic-topological investigations of the relationship between chemical structure and ambergris odor**  
Dimoglo A., Vlad P., Shvets N., Coltsa M., Guzel Y., Saracoglu M., Saripinar E., Patat S.  
NEW JOURNAL OF CHEMISTRY, vol.19, no.12, pp.1217-1226, 1995 (SCI-Expanded)
- XXIV. **THEORETICAL INVESTIGATIONS ON THE MECHANISM OF INTERACTION OF 4-FORMYL FURAN-2,3-DIONE AND UREA**  
YILDIRIM I., SARIPINAR E., GUZEL Y., PATAT S., Akçamur Y.  
JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM, vol.334, pp.165-171, 1995 (SCI-Expanded)
- XXV. **Electronic topological Investigations of the Relationship Between Chemical Structure and Ambergris Odor**  
Dimoglo A., Vlad P., Natali S., Coltsa M., Güzel Y., Saraçoğlu M., Saripinar E., Patat Ş.  
New Journal Of Chemistry, vol.19, pp.1217-1226, 1995 (SCI-Expanded)

## Articles Published in Other Journals

- I. **4D-QSAR Analysis of Some New Pyrrole Derivatives Using Klopman Index Descriptor**  
Kızılcan D. Ş., Türkmenoğlu B., Güzel Y., Aslan E.  
Erzincan University Journal of Science and Technology, vol.15, no.1, pp.168-182, 2022 (Peer-Reviewed Journal)
- II. **Confirmation by molecular docking of the pharmacophore defined as 4D-QSAR using the MCET method for the 2-hydroxydiarylamide derivatives**  
TÜRKMENOĞLU B., GÜZEL Y.  
International Journal of Chemistry and Technology, vol.4, no.2, 2021 (Peer-Reviewed Journal)
- III. **4D-QSAR Study of Flavonoid Derivatives with MCET Method**  
TÜRKMENOĞLU B., Yılmaz H., Su E. M., Alp Tokat T., GÜZEL Y.  
International Journal of Chemistry and Technology, vol.1, no.1, 2017 (Peer-Reviewed Journal)
- IV. **3D Biostructure Visualisation Using 4D-QSAR Model for Substitute Ureas Binding at the Raf-1 Kinase Receptor Site**  
Su E. M., TÜRKMENOĞLU B., GÜZEL Y.  
International Journal of Innovative Studies in Sciences and Engineering Technology, vol.2, no.12, pp.67-75, 2016 (Peer-Reviewed Journal)
- V. **A new charge analysis derived from the results of semi-empirical MO-Lcao calculation**  
Yılmaz H., Ceyhan E. C., GÜZEL Y.  
Journal of the Korean Chemical Society, vol.56, no.2, pp.195-200, 2012 (Scopus)
- VI. **New Charge Analysis Derived From the Results of Semi-empirical Mo-Lcao Calculation**  
YILMAZ H., Ceyhan E., Güzel Y.  
Journal Of Korean Chemical Society, vol.56, pp.195-201, 2012 (Peer-Reviewed Journal)
- VII. **3D-QSAR Study Of Nonsteroidal Estrogen Receptor Ligands With 4-Substituted Deoxyhexestrol Derivatives**  
Güzel Y., YILMAZ H., Nane K.  
Journal Of Pharmaceutical Research And Development, vol.3, pp.25-31, 2011 (Peer-Reviewed Journal)
- VIII. **Investigation of Antisecretory activities of Imidazo[1,2,a]pyridinylethylbenzoxazoles with the Electron Topological Method(ETM)**  
Güzel Y.  
C.Ü. Fen-Edebiyat Fakültesi Fen Bilimleri Dergisi, vol.23, no.1, pp.347-361, 2002 (Peer-Reviewed Journal)
- IX. **Electronic-topological Investigation of Antitumor Activity in the Series of 2-Formylpyridine and 1-Formyliso-quinoline Thiosemicarbazone Derivatives**  
Dimoglo A., Chumakov Y., Shvets N., GÜZEL Y., SARAÇOĞLU M.  
Karedeniz J. Med. Sci. (Karadeniz Tıp Dergisi), vol.8, no.4, pp.178, 1995 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **KLOPMAN INDEX: A NEW DESCRIPTOR USED IN MCET FOR 3D/4D-QSAR MODELING**  
TÜRKMENOĞLU B., GÜZEL Y.  
in: Current Academic Studies in Science and Mathematics Sciences, YILDIZ ESRA, YILDIZ ÖZKAN ESMA, Editor,  
Livre de Lyon, Lyon, pp.1-16, 2021

## Refereed Congress / Symposium Publications in Proceedings

- I. **4D-QSAR and Molecular Docking Studies on Some Steroidal Derivatives**  
TÜRKMENOĞLU B., GÜZEL Y.  
8th Drug Chemistry Conference, Antalya, Turkey, 27 February - 02 March 2020, vol.1
- II. **Ligand-based determination of the 3D pharmacophore model of the receptor by non-linear least**

**squares (NLLS) in the MCET method**

GÜZEL Y., TÜRKMENOĞLU B., Kızılcan D. Ş.

INTERNATIONAL CONFERENCE ON APPLIED ANALYSIS AND MATHEMATICAL MODELING, 2018, Elazığ, Turkey, 20 - 24 June 2018, vol.1, no.1, pp.1

- III. **4D-QSAR and Molecular Docking Studies on Thiosemicarbazones and 1,3-thiazoles with Antitumor Activity**  
TÜRKMENOĞLU B., Kızılcan D. Ş., GÜZEL Y.  
INTERNATIONAL CONFERENCE ON APPLIED ANALYSIS AND MATHEMATICAL MODELING, 2018, İstanbul, Turkey, 20 - 24 June 2018, vol.1, no.1, pp.1
- IV. **Molecular Docking and MCET Method Studies of Hydroxydiarylamide Compounds**  
TÜRKMENOĞLU B., Kızılcan D. Ş., GÜZEL Y.  
INTERNATIONAL EURASIAN CONFERENCE ON BIOLOGICAL AND CHEMICAL SCIENCES, Ankara, Turkey, 26 - 27 April 2018, vol.1, no.1, pp.1265
- V. **4D-QSAR Study on Monochloroacetic Acid Derivatives with Antimicrobial**  
Kızılcan D. Ş., TÜRKMENOĞLU B., GÜZEL Y.  
INTERNATIONAL EURASIAN CONFERENCE ON BIOLOGICAL AND CHEMICAL SCIENCES, Ankara, Turkey, 26 - 27 April 2018, vol.1, no.1, pp.453
- VI. **5-HT<sub>4</sub> RESEPTÖRÜ KISMİ AGONİSTLERİ OLARAK İMİDAZO [1,5-A] PİRİDİN TÜREVLERİNİN MCET METODU İLE İNCELENMESİ**  
TÜRKMENOĞLU B., Kızılcan D. Ş., Alp Tokat T., GÜZEL Y., KÖKBUDAK Z.  
I. INTERNATIONAL SCIENTIFIC AND VOCATIONAL STUDIES CONGRESS, 5 - 08 October 2017, no.1
- VII. **POTANSİYEL ÜÇLÜ GERİ ALIM İNHİBİTÖRLERİ OLARAK KULLANILAN ARALKİL DİAMİN TÜREVLERİNİN 4D-QSAR İNCELENMESİ ,**  
Kızılcan D. Ş., Türkmenoğlu B., Alp Tokat T., Güzel Y., Kökbudak Z.  
I. INTERNATIONAL SCIENTIFIC AND VOCATIONAL STUDIES CONGRESS, Ankara, Turkey, 5 - 08 October 2017, no.1
- VIII. **Potansiyel Antitümör Ajanları Olarak Kumarin Türevlerinin 4D-QSAR ve Moleküler Docking Çalışmaları**  
TÜRKMENOĞLU B., Kızılcan D. Ş., GÜZEL Y.  
29. Ulusal Kimya Kongresi, Ankara, Turkey, 10 - 14 September 2017, no.1
- IX. **INVESTIGATION OF NEW PYRROL DERIVATIVES AS ANTITUBERCULOS AGENTS WITH MCET METHOD**  
Aslan E., TÜRKMENOĞLU B., ASLAN H. G., GÜZEL Y.  
Innovation in Medicine Summit-3, 11 - 13 May 2017, no.1
- X. **4D-QSAR STUDY OF SERINE PROTEASE ACTIVITY OF 2-HYDROXYDYARILAMIDE DERIVATIVES**  
TÜRKMENOĞLU B., GÜZEL Y.  
Innovation in Medicine Summit-3, 11 - 13 May 2017, no.1
- XI. **Investigation of new Pyroll derivatives as Antituberculos agents with MCET method**  
Aslan E., TÜRKMENOĞLU B., ASLAN H. G., GÜZEL Y.  
Sanko University Innovation in Medicine Summit-3, 11 - 13 May 2017
- XII. **4D-QSAR Study by Using Fukui Indices for Monoamine Oxidase-A Inhibitor Activity**  
GÜZEL Y., SU E. M., TÜRKMENOĞLU B., Alp Tokat T.  
3rd INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES, Budapeşte, Hungary, 3 - 07 May 2017, vol.1, no.1, pp.529
- XIII. **4D-QSAR Study by Using Fukui Indices for Monoamine Oxidase-A Inhibitor Activity**  
GÜZEL Y., Su E. M., TÜRKMENOĞLU B., Aslan E.  
3rd INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES, Hungary, 3 - 07 May 2017
- XIV. **Novel Local Reactivity Descriptor for 4D-QSAR Study on Antibacterial Activity**  
GÜZEL Y., Aslan E., TÜRKMENOĞLU B., Su E. M.  
3rd INTERNATIONAL CONFERENCE ON ENGINEERING AND NATURAL SCIENCES, Hungary, 3 - 07 May 2017, no.1
- XV. **Metastatik Kanser İnhibitörü Tiyazollerin Moleküler Docking ve 4D-QSAR Çalışmaları**  
TÜRKMENOĞLU B., GÜZEL Y.  
Uluslararası Katılımlı 5. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi,

Antalya, Turkey, 30 March - 02 April 2017, vol.1, no.1, pp.266

- XVI. **Östrojen-Bağımlı Meme Kanserine Karşı Güçlü Aromataz İnhibitörleri Olarak Flavonoidlerin MCET Metoduyla 4D-QSAR İncelenmesi**  
Kızılcan D. Ş. , TÜRK MENOĞLU B., GÜZEL Y.  
Uluslararası Katılımlı 5. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, Antalya, Turkey, 30 March - 02 April 2017, no.1
- XVII. **Analyzing Thiazole Derivatives with MCET Method**  
TÜRK MENOĞLU B., GÜZEL Y., Alp Tokat T., Su E. M.  
4.th International BAU Drug Design Congress, İstanbul, Turkey, 13 - 15 October 2016, vol.1, no.1, pp.52
- XVIII. **Pharmacophore and Functional Group Identification of Flavonoid Derivatives with MCET Method**  
ALP TOKAT T., GÜZEL Y., TÜRK MENOĞLU B., Aslan E.  
4.th International BAU Drug Design Congress, İstanbul, Turkey, 13 - 15 October 2016, no.1
- XIX. **4D QSAR Study of Thiazole Derivatives with MCET Method**  
TÜRK MENOĞLU B., GÜZEL Y., Su E. M. , ALP TOKAT T.  
4.th International BAU Drug Design Congress, İstanbul, Turkey, 13 - 15 October 2016, no.1
- XX. **4D-QSAR Studying With MCET Method on Trypsin-Like Serine Protease Inhibitors**  
TÜRK MENOĞLU B., GÜZEL Y.  
28. Ulusal Kimya Kongresi, Mersin, Turkey, 15 - 21 August 2016, vol.1, no.1, pp.539
- XXI. **4D-QSAR Studying with MCET Method Estrogen Receptor Ligands**  
TÜRK MENOĞLU B., ALP TOKAT T., YILMAZ H., GÜZEL Y.  
Third International Conference on New Trends in Chemometrics and Applications, Antalya, Turkey, 25 - 28 May 2016, vol.1, no.1, pp.119
- XXII. **Effects of Benzyl Compounds on Phosphodiesterase Inhibitor Studying with MCET Method**  
TÜRK MENOĞLU B., GÜZEL Y., SU E. M. , ASLAN E.  
Third International Conference on New Trends in Chemometrics and Applications, Antalya, Turkey, 25 - 28 May 2016, vol.1, no.1, pp.117-118
- XXIII. **1, 3, 4-OKSADİAZOLLARI BULUNDURAN SÜLFON TÜREVLERİNDEKİ ANTİBAKTERİYAL AKTİVİTELERİN MCET METOTLA HESAPLANMASI**  
Aslan E., TÜRK MENOĞLU B., GÜZEL Y.  
27. Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 - 28 August 2015, vol.1, no.1, pp.516
- XXIV. **3D Bioactive Structure Mapping Using 4D-QSAR Model for Flavonoid Binding at the Benzodiazepine GABA-A Receptor Site**  
YILMAZ H., TÜRK MENOĞLU B., GÜZEL Y.  
PITTCO CONFERE NCE & EXPO, New Orleans, United States Of America, 8 - 12 March 2015, vol.1, no.1, pp.958
- XXV. **4D-QSAR studies on substituted ureas as Raf-1 kinase inhibitors with CoMCET**  
Su E. M. , YILMAZ H., TÜRK MENOĞLU B., ALP TOKAT T., GÜZEL Y.  
2.nd International BAU-Drug Design Symposium, İstanbul, Turkey, 17 - 19 April 2014, no.1
- XXVI. **4D-QSAR Study Using CoMCET Method for The Flavonoid-Mediated Inhibition of Breast Cancer Resistance Protein (BCRP/ABCG2**  
TÜRK MENOĞLU B., Su E. M. , YILMAZ H., ALP TOKAT T., GÜZEL Y.  
1 st International BAU-Drug Design Symposium, İstanbul, Turkey, 21 - 23 March 2013, no.1
- XXVII. **Aldoz Redüktaz İnhibitörleri olarak Flavonoid Bileşiklerinin MCET Metoduyla 4D QSAR Olarak İncelenmesi**  
TÜRK MENOĞLU B., YILMAZ H., Aksakal S., İLHAN İ. Ö. , KÖKBUDAK Z., Su E. M. , GÜZEL Y.  
II. Fiziksel Kimya Günleri Kongres, Balıkesir, Turkey, 12 - 15 July 2012, no.1
- XXVIII. **4D-QSAR STUDY OF SODIUM CHANNEL BLOCKER ACTIVITY OF 3-AMINOPYRROLES USING MCET METHOD**  
TÜRK MENOĞLU B., YILMAZ H., KÖKBUDAK Z., GÜZEL Y.  
The 2nd International Conference on Computation for Science and Technology, Niğde, Turkey, 9 - 11 July 2012, no.1
- XXIX. **4D QSAR Study of Channel Blocker Activity of 3 Aminopyroles Using MCET Method**

- KILIÇ TÜRKMEÑOĞLU B., YILMAZ H., KÖKBUDAK Z., GÜZEL Y.  
2nd International Conference on Computation for Science and Technology , 9 - 11 July 2012
- XXX. **USE OF LIGAND AND RECEPTOR BASED APPROACHES TO THE PREDICTIVE MODEL DEVELOPMENT OF KDR INHIBITORS**  
YILMAZ H., Rasulev B. F. , Leszczyski J. R. , GÜZEL Y.  
12th SSCCMS conference, MİSİSİPPI, United States Of America, 13 - 16 June 2012
- XXXI. **Ligand Based Research Of 82 N-Benzylpiperidine Derivatives To Mouse Acetylcholinesterase And 4D QSAR Analysis**  
YILMAZ H., GÜZEL Y., Altıparmak G., TÜRKMEÑOĞLU B., KÖKBUDAK Z.  
International Symposium on Drug Research and Development, Antalya, Turkey, 27 - 29 May 2011, no.1
- XXXII. **QSAR and Docking Analysis for Analgesic activity of 3(2H)-Pyrazinone Derivatives**  
YILMAZ H., GÜZEL Y., TÜRKMEÑOĞLU B., ÖZHAN KOCAKAYA Ş., UYSAL M.  
1 st International BAU-Drug Design Symposium, İstanbul, Turkey, 21 - 23 March 2011, no.1
- XXXIII. **İmidazo [1,2-?] Pyridiniyl ethylbenzoxazoller Üzerinde Anti-ülser Aktivitelerinin Elektron Topolojik Metotla (ETM) İncelenmesi**  
Kopar A. K. , GÜZEL Y., SARAÇOĞLU M., YÖRÜK A., KONDOLOT SOLAK E.  
XIII. Ulusal Kimya Kongresi, Samsun, Turkey, 1 - 04 June 1999
- XXXIV. **Investigation of the Fragrance Origin in the Series of Compounds Possessing Sandalwood Odour**  
DİMOĞLO A., Shvets N., Kheifits L., Aulchenko I., SARIPINAR E., YILDIRIM İ., GÜZEL Y.  
Proceeding of the 13th International Congress Flavours, Fragrances and Essential Oils (ICEOFF'95), İstanbul, Turkey, 1 - 04 October 1995, no.3
- XXXV. **Electron-Topological (ET) Method and Experience of its Application to the Search of Odourant Compounds**  
DİMOĞLO A., Shvets N., GÜZEL Y., SARIPINAR E., PATAT Ş., YILDIRIM İ.  
Proceeding of the 13th International Congress of Flavours, Fragrances and Essential Oils (ICEOFF'95), İstanbul, Turkey, 1 - 04 October 1995, no.3
- XXXVI. **Electron-topological Investigation of the Structure Activity Relationships in the Series of Inhibitors of Glycolic Acid Oxidase**  
GÜZEL Y., ACEMİOĞLU B., SARIPINAR E., SARAÇOĞLU M., DİMOĞLO A.  
35th IUPAC (International Unione of Pure and Applied Chemistry) Congress, İstanbul, Turkey, 1 - 04 August 1995
- XXXVII. **Structure-activity Relationships Analysis in the Series of Inhibitors of Dopamine P-Hydroxylase: Electron-topological Approach**  
GÜZEL Y., SARAÇOĞLU M., YILDIRIM İ., Shvets N.  
35th IUPAC (International Unione of Pure and Applied Chemistry) Congress, İstanbul, Turkey, 1 - 04 August 1995
- XXXVIII. **1,2-Benzo-1,3-Norkaradian "Bisekted Confofmation" Geçişinin Kuantum Kimya İncelenmesi**  
GÜZEL Y., Çakmak O., Dimoğlu A., DAĞDEMİR Y.  
10.Ulusal Kimya Kongresi, Bursa, Turkey, 1 - 04 September 1994, pp.25
- XXXIX. **QSAR investigations in the series of compounds possessing antibacterial features: electron-topological approach, (Barselona)**  
DİMOĞLO A., Shvets N., SARIPINAR E., GÜZEL Y., PATAT Ş., YILDIRIM İ.  
10th European Symposium on structure-activity relationship: QSAR and Molecular Modelling, Barselona, 1 - 04 September 1994
- XL. **1,2-Benzo-1,3-Norkaradian 'xx'xxBisekted Confofmation'xx'xx Geçişinin Kuantum Kimya İncelenmesi**  
GÜZEL Y., ÇAKMAK O., DİMOĞLO A., DAĞDEMİR Y.  
10.Ulusal Kimya Kongresi, Bursa, Turkey, 1 - 04 September 1994

## Expert Reports

- I. **Ayıplı Mal**  
Güzel Y.

## Supported Projects

- GÜZEL Y., ALP TOKAT T., Project Supported by Higher Education Institutions, MELANOGENEZ OLARAK NBENZİL BENZAMİTLERİN MCETCOMCET METODUYLA 4DQSAR İNCELENMESİ, 2018 - 2020
- GÜZEL Y., TÜRKMENOĞLU B., Project Supported by Higher Education Institutions, CTP Çubukları Arasında Dörtgen Bağlantı Elemanı DŞE Modülü Kullanarak Portatif Sera Konstrüksiyon Üretimi, 2016 - 2019
- GÜZEL Y., TÜRKMENOĞLU B., Project Supported by Higher Education Institutions, TİYAZOL, 2-HİDROKSİDİARİLAMİT VE PİRİMİDİN TÜREVLERİ ÜZERİNDE MCET METODU VE MOLEKÜLER DOCKİNG ÇALIŞMALARI, 2016 - 2019
- GÜZEL Y., METE H. C. , Project Supported by Higher Education Institutions, CTP Çubuklar İçinde sp3 Kimya Yapısındaki Plastik Modellerin Kullanılmasıyla Konstrüksiyon İmalatı Otomobil Gölgeği, 2015 - 2018
- BOŞGELMEZ İ. İ. , KOŞAR M., GÜZEL Y., AYCAN M. B. , AKTAŞ Y., EKEN A., SOYDAN Ö., Project Supported by Higher Education Institutions, Doğal Kaynaklı ve Sentetik İlaçların Farmasötik Formülasyon, Biyoanalitik, Toksikite ve Kalite Kontrol Araştırmaları için Ar-Ge Çalışmaları, 2016 - 2017
- GÜZEL Y., YILMAZ H., Project Supported by Higher Education Institutions, VEGFR-2 İnhibitörü olan Amino Sübstitüentlenen Azotlu Heterosiklik Üreler Üzerinde QSAR İncelemesi, 2012 - 2014
- GÜZEL Y., DAĞ K., Project Supported by Higher Education Institutions, Cam-elyaf Takviyeli Polyesterle (CTP) Üçgen Piramit Modülünde Uzay Çatı Sistemi, 2012 - 2013
- GÜZEL Y., YILMAZ H., Project Supported by Higher Education Institutions, MCET Metoduyla Tirozin Kinazın İnhibitörleri Olan Flavonoid Türevleri Üzerinde 4D QSAR İnceleme, 2010 - 2013
- GÜZEL Y., KARAZEHİR T., Project Supported by Higher Education Institutions, FARE DÖLYATAĞI ESTROJEN RESEPTÖRLERİYLE 17?-SÜBSTİTÜE ESTRADİOLLERİN GÖRECELİ BAĞLANMA EĞİLİMLERİNİN COMCET METODUYLA TEORİK İNCELENMESİ, 2008 - 2010
- GÜZEL Y., YÜCEL G., Project Supported by Higher Education Institutions, BENZODİAZEPİN RESEPTÖRÜNDEKİ BAZI BİLEŞİK SERİSİ ÜZERİNDEKİ ELEKTRON TOPOLOJİK METODLA (ET) 3D-QSAR İNCELENMESİ, 2004 - 2006
- GÜZEL Y., TUBITAK Project, Alkil-Sübstütentlenmiş Thiolo-, Thiono-, ve Dithio-?-butirolaktonların Convulsant Aktivitelerinin Elektron Topolojik Metodla (ETM) İncelenmesi, 2002 - 2005
- GÜZEL Y., TUBITAK Project, Elektron Topolojik İlaç Dizaynı, 1995 - 1997

## Metrics

- Publication: 82
- Citation (WoS): 239
- Citation (Scopus): 246
- H-Index (WoS): 9
- H-Index (Scopus): 9