

## Lect. SEVTAP AĐLAR YAVUZ

### Personal Information

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### Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 2013 - 2019

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), Turkey 2011 - 2013

Undergraduate, Sivas Cumhuriyet University, Fen Fakóltesi, Kimya Bölümü, Turkey 2005 - 2009

### Dissertations

Doctorate, Pirimidin ve imidazol çekirdeđi içeren bileşiklerin sentezi ve in vitro sitotoksik aktivite çalışmaları, Erciyes University, Fen Bilimleri Enstitüsü, Kimya (Dr), 2019

Postgraduate, Rutenyum(II) aren komplekslerinin elektron konformasyonel-genetik algoritma (EC-GA) metodu ile farmakofor modellemesi ve 4D QSAR analizi, Erciyes University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 2013

### Research Areas

Chemistry, Natural Sciences

### Academic Titles / Tasks

Lecturer PhD, Yozgat Bozok University, Şefaati Meslek Yüksekokulu, Veterinerlik, 2019 - Continues

Research Assistant, Erciyes University, Fen Fakóltesi, Kimya , 2010 - 2019

### Academic and Administrative Experience

Head of Department, Yozgat Bozok University, Şefaati Meslek Yüksekokulu, Veterinerlik, 2020 - Continues

### Courses

Mesleki Terminoloji, Associate Degree, 2019 - 2020

Biyokimya, Associate Degree, 2019 - 2020

Hücre Kimyası, Associate Degree, 2019 - 2020

Hijyen ve Sanitasyon, Associate Degree, 2019 - 2020

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

- I. **Efficient synthesis and molecular docking studies of new pyrimidine-chromeno hybrid derivatives as potential antiproliferative agents**  
 Çağlar Yavuz S., Akkoç S., Tüzün B., Şahin O., Sarıpinar E.  
 Synthetic Communications, vol.1, pp.1-26, 2021 (SCI-Expanded)
- II. **Single Crystal, DFT and Docking Studies of a Benzimidazolium Salt**  
 Akkoç S., Yavuz S., TÜRKMEÑOĞLU B., İLHAN İ. Ö., AKKURT M.  
 CRYSTALLOGRAPHY REPORTS, vol.65, no.7, pp.1173-1178, 2020 (SCI-Expanded)
- III. **Synthesis of novel heterocyclic compounds containing pyrimidine nucleus using the Biginelli reaction: Antiproliferative activity and docking studies**  
 Yavuz S., AKKOÇ S., TÜRKMEÑOĞLU B., SARIPINAR E.  
 JOURNAL OF HETEROCYCLIC CHEMISTRY, vol.57, no.6, pp.2615-2627, 2020 (SCI-Expanded)
- IV. **The effect of stereoisomerism on the 4D-QSAR study of some dipeptidyl boron derivatives**  
 Catalkaya S., Sabancı N., Yavuz S., SARIPINAR E.  
 COMPUTATIONAL BIOLOGY AND CHEMISTRY, vol.84, 2020 (SCI-Expanded)
- V. **The cytotoxic activities of imidazole derivatives prepared from various guanylhydrazone and phenylglyoxal monohydrate**  
 Yavuz S., AKKOÇ S., SARIPINAR E.  
 SYNTHETIC COMMUNICATIONS, vol.49, no.22, pp.3198-3209, 2019 (SCI-Expanded)
- VI. **4D-QSAR Study of Some Pyrazole Pyridine Carboxylic Acid Derivatives By Electron Conformational-Genetic Algorithm Method**  
 TÜZÜN B., Yavuz S., Sabancı N., SARIPINAR E.  
 CURRENT COMPUTER-AIDED DRUG DESIGN, vol.14, no.4, pp.370-384, 2018 (SCI-Expanded)
- VII. **Pharmacophore Modelling and 4D-QSAR Study of Ruthenium(II) Arene Complexes as Anticancer Agents (Inhibitors) by Electron Conformational-Genetic Algorithm Method**  
 Yavuz S., Sabancı N., SARIPINAR E.  
 CURRENT COMPUTER-AIDED DRUG DESIGN, vol.14, no.1, pp.79-94, 2018 (SCI-Expanded)
- VIII. **4D-QSAR investigation and pharmacophore identification of pyrrolo[2,1-c][1,4]benzodiazepines using electron conformational-genetic algorithm method**  
 Ozalp A., YAVUZ S., Sabancı N., Copur F., KÖKBUDAK Z., SARIPINAR E.  
 SAR AND QSAR IN ENVIRONMENTAL RESEARCH, vol.27, no.4, pp.317-342, 2016 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Density functional theory study of a silver N-heterocyclic carbene complex**  
 AKKOÇ S., ÇAĞLAR YAVUZ S.  
 Journal of the Chinese Advanced Materials Society, vol.6, no.2, pp.112-122, 2018 (Peer-Reviewed Journal)
- II. **4D-QSAR analysis and pharmacophore modeling: propoxy methylphenyl oxasiazole derivatives by electron conformational-genetic algorithm method**  
 TÜZÜN B., ÇAĞLAR YAVUZ S., SARIPINAR E.  
 Journal of Physical and Theoretical Chemistry, vol.14, no.2, pp.149-164, 2017 (Peer-Reviewed Journal)
- III. **DFT studies and crystal structure of synthesized 1,3-bis(2-thiophenylmethyl)-4,5-dihydroimidazolidinium hexafluorophosphate salt**  
 AKKOÇ S., TÜRKTEKİN ÇELİKESİR S., GÖK Y., ÇAĞLAR YAVUZ S., AKKURT M., ÖZDEMİR N.  
 Journal of the Turkish Chemical Society, Section A: Chemistry, vol.4, no.1, 2017 (Peer-Reviewed Journal)

### Refereed Congress / Symposium Publications in Proceedings

- I. **A Comprehensive 4D-QSAR Research on Phenylpyrazole Glutamic Acid Piperazine Scaffold by Electron Conformational-Genetic Algorithm Method**

Özdoğan R., ÇAĞLAR YAVUZ S., SABANCI N., SARIPINAR E.

4th Organic Chemistry Congress with International Participation, Antalya, Turkey, 4 - 07 October 2018

- II. **Metil(2Z)-[(2Z)-2-[(E)-amino{(2E)-[(4-metilfenil)metiliden]hidraziniliden}metil]imino}-3-fenil-4-okso-1,3-tiyozolidin-5-iliden]asetat**  
ASLAN H. G., ÇAĞLAR YAVUZ S., SARIPINAR E.  
II. ULUSLARARASIBİLİMSEL VE MESLEKİÇALIŞMALAR SEMPOZYUMU (BILMES 2018), 18 - 21 October 2018, pp.187-191
- III. **Reactions of Aminoguanidine Derivatives with Dimethyl Acetylenedicarboxylate**  
KARATAŞ H., ÇAĞLAR YAVUZ S., SARIPINAR E., TÜRKMENOĞLU B., KÖKBUDAK Z.  
2nd International Scientific and Vocational Studies Congress, BILMES CONGRESS, Nevşehir, Turkey, 5 - 08 July 2018, pp.254
- IV. **Cytotoxic Activity Properties of Pyrimidine Derivative Compounds**  
ÇAĞLAR YAVUZ S., AKKOÇ S., SARIPINAR E.  
2nd International Scientific and Vocational Studies Congress, 5 - 08 July 2018
- V. **Cytotoxic Activity Properties of Pyrimidine Derivative Compounds**  
ÇAĞLAR YAVUZ S., AKKOÇ S., SARIPINAR E.  
II.INTERNATIONAL SCIENTIFIC AND VOCATIONAL STUDIES CONGRESS, (BILMES SCI 2018), 5 - 08 July 2018
- VI. **REACTIONS OF AMINO GUANIDINE DERIVATIVES WITH DIMETHYL ACETYLENEDICARBOXYLATE**  
KÖKBUDAK Z., ÇAĞLAR YAVUZ S., KARATAŞ H., TÜRKMENOĞLU B., SARIPINAR E.  
II.INTERNATIONAL SCIENTIFIC AND VOCATIONAL STUDIES CONGRESS, (BILMES SCI 2018), 5 - 08 July 2018
- VII. **Yeni bir Dimetilasetilendikarboksilat (DMAD) türevidir ve Cu(II) Kompleksi**  
ASLAN H. G., ÇAĞLAR YAVUZ S., SARIPINAR E.  
II.INTERNATIONAL SCIENTIFIC AND VOCATIONAL STUDIES CONGRESS, (BILMES SCI 2018), 5 - 08 July 2018
- VIII. **A New Dimethylacetylenedicarboxylate(DMAD) Derivative and Its Cu(II) Complex**  
ASLAN H. G., ÇAĞLAR YAVUZ S., SARIPINAR E.  
2nd International Scientific and Vocational Studies Congress, BILMES CONGRESS 2018, Nevşehir, Turkey, 5 - 08 July 2018, pp.181-185
- IX. **Theoretical Calculations And Molecular Docking Study Anticancer Effect Of Synthesized Salt Against Hela Cell Line**  
AKKOÇ S., ÇAĞLAR YAVUZ S., TÜRKMENOĞLU B.  
International Conference On Physical Chemistry And Functional Materials (Pcfm'18), 19 - 21 June 2018
- X. **Theoretical and X-ray studies of an Ag-NHC complex**  
ÇAĞLAR YAVUZ S., AKKOÇ S.  
International Conference on Physical Chemistry and Functional Materials (Pcfm'18), 19 - 21 June 2018
- XI. **THEORETICAL CALCULATIONS AND MOLECULAR DOCKING STUDY ANTICANCER EFFECT OF SYNTHESIZED SALT AGAINST HELA CELL LINE**  
AKKOÇ S., ÇAĞLAR YAVUZ S., TÜRKMENOĞLU B.  
INTERNATIONAL CONFERENCE ON PHYSICAL CHEMISTRY AND FUNCTIONAL MATERIALS (PCFM'18), ELAZIĞ, TÜRKİYE, 19 - 21 June 2018
- XII. **Synthesis and Characterization of Some Thiazolidine Derivatives**  
ÇAĞLAR YAVUZ S., AL JANABI I. A. S., SARIPINAR E., PATAT Ş.  
INTERNATIONAL CONFERENCE ON PHYSICAL CHEMISTRY AND FUNCTIONAL MATERIALS (PCFM'18), ELAZIĞ, TÜRKİYE, 19 - 21 June 2018
- XIII. **Synthesis of Some Imidazole Derivatives**  
ÇAĞLAR YAVUZ S., SARIPINAR E.  
INTERNATIONAL CONFERENCE ON PHYSICAL CHEMISTRY AND FUNCTIONAL MATERIALS (PCFM'18), ELAZIĞ, TÜRKİYE, 19 - 21 June 2018
- XIV. **Synthesis of Pyrimidine Derivatives by Biginelli Reactions**  
ÇAĞLAR YAVUZ S., SARIPINAR E.  
International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), ANKARA, TÜRKİYE, 26 - 27 April 2018

- XV. **Synthesis and Characterization of Some Imidazole Derivatives**  
ÇAĞLAR YAVUZ S., SARIPINAR E.  
International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), ANKARA, TÜRKİYE, 26 - 27 April 2018
- XVI. **Synthesized a New Organic Compound's Cytotoxic Activity Quantum Mechanics Calculations and Docking Studies**  
AKKOÇ S., TÜRKMENOĞLU B., ÇAĞLAR YAVUZ S.  
2nd International Conference on Natural Products for Cancer Prevention and Therapy, 8 - 11 November 2017, vol.1, pp.1042
- XVII. **Synthesis of Hydrazino-Pyrimidine Derivatives by Multi-Component Reactions**  
ÇAĞLAR YAVUZ S., KARATAŞ H., SABANCI N., KÖKBUDAK Z., ÖZTÜRK KÜP F., SARIPINAR E.  
5TH International BAU Drug Design Congress, Bahçeşehir University, School of Medicine, İstanbul, Turkey, 19 - 21 October 2017
- XVIII. **4D-QSAR Analysis and Pharmacophore Modeling: Electron Conformational-Genetic Algorithm Approach for Imidazo Derivatives**  
ÇAĞLAR YAVUZ S., MEMİŞ Y., KÖPRÜ S., SARIPINAR E.  
5th International Bau Drug Design Congress, 19 - 21 October 2017
- XIX. **Reaction of N (aminoamidino) thiourea derivatives with dimethylacetylene dicarboxylate**  
AL JANABI I. A. S., ÇAĞLAR YAVUZ S., KÖPRÜ S., SARIPINAR E.  
5th International Bau Drug Design Congress, 19 - 21 October 2017
- XX. **Synthesis of Hydrazino-Pyrimidine Derivatives by Multi-Component Reactions**  
ÇAĞLAR YAVUZ S., KARATAŞ H., SABANCI N., KÖKBUDAK Z., ÖZTÜRK KÜP F., SARIPINAR E.  
5th International Bau Drug Design Congress, İstanbul, Turkey, 19 - 21 October 2017
- XXI. **SYNTHESIS AND CHARACTERIZATION OF NEW HETEROCYCLIC COMPOUNDS**  
ÇAĞLAR YAVUZ S., SARIPINAR E.  
I. International Scientific and Vocational Studies Congress, 5 - 08 October 2017
- XXII. **Yeni Oksotiazolidin Türevlerinin Sentezi ve Karakterizasyonu**  
DOĞAN N., ÇAĞLAR YAVUZ S., KARATAŞ H., KÖPRÜ S., ŞAHİN O., KÖKBUDAK Z., SARIPINAR E.  
Uluslararası Katılımlı 5. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, 30 March - 02 April 2017
- XXIII. **İmidazo[4,5] Piridin-2-on Türevlerinin Elektron Konformasyonel-Genetik Algoritma Metodu (EC-GA) İle 4D-Qsar Analizi**  
MEMİŞ Y., ÇAĞLAR YAVUZ S., KÖPRÜ S., SARIPINAR E.  
Uluslararası Katılımlı 5. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, 30 March - 02 April 2017
- XXIV. **4D QSAR Analysis of Some Dipeptidyl Boron Compounds Pharmacophore Identification and Bioactivity Estimation**  
ÇATALKAYA S., ÇAĞLAR YAVUZ S., SABANCI N., SARIPINAR E.  
2th INTERNATIONAL TURKIC WORLD CONFERENCE ON CHEMICAL SCIENCES AND TECHNOLOGIES, Skopje, Macedonia, 26 - 30 October 2016
- XXV. **Investigation of Effect of the Phenylpyrazole Glutamic Acid Piperazine Compounds as an Coagulation Inhibitor on P2Y12 Ki Receptor by 4D QSAR EC GA Method**  
ÖZDOĞAN R., ÇAĞLAR S., SARIPINAR E.  
4th International Bahçeşehir University (BAU) Drug Design Congress, İstanbul, Turkey, 13 - 15 October 2016
- XXVI. **SYNTHESIS OF GUANIDINE BASED OXOTHIAZOLIDINE DERIVATIVES AND QUANTUM CHEMICAL CALCULATIONS**  
DOĞAN N., KARATAŞ H., ÇAĞLAR YAVUZ S., SARIPINAR E.  
28. ULUSAL KİMYA KONGRESİ, Mersin, Turkey, 15 - 21 August 2016

## Supported Projects

Çağlar Yavuz S., Sarıpınar E., Project Supported by Higher Education Institutions, Pirimidin Bazlı Bileşiklerin Sentezi, 2019 - 2020

Çağlar Yavuz S., Sarıpınar E., Doğan Ş. D., Project Supported by Higher Education Institutions, Glikozillenmiş Kemoterapötik İlaçlar Geliştirme: Glikolize-Melphalan Türevlerinin Sentezi, 2018 - 2020

Çağlar Yavuz S., Sarıpınar E., Project Supported by Higher Education Institutions, BETA-LACTAM ANTİBİYOTİKLERİN UĞI REAKSİYONLARI VE 4D-QSAR EC-GA HESAPLAMALARI, 2016 - 2019

Çağlar Yavuz S., Sarıpınar E., Project Supported by Higher Education Institutions, GUANİDİN BAZLI OKSOTİAZOLİDİN TÜREVLERİNİN SENTEZİ VE KARAKTERİZASYONU, 2017 - 2017

Çağlar Yavuz S., Sarıpınar E., Kökbudak Z., Öztürk Küp F., Karataş H., Geçen N., Project Supported by Higher Education Institutions, Çok Bileşenli Reaksiyonlar: Ugi-Biginelli Melez Reaksiyonlarının Geliştirilmesi ve Heterosiklik Bileşiklerin Sentezi, Biyoaktivite ve 4D-QSAR Çalışmaları, 2014 - 2017

Çağlar Yavuz S., Sarıpınar E., İlhan İ. Ö., Project Supported by Higher Education Institutions, EC-GA Metodu ile Diketopiperazin türevlerinde farmakofor grubun belirlenmesi ve bioaktivite tahmini : 4D-QSAR YAKLAŞIMI, 2012 - 2015

Çağlar Yavuz S., Sarıpınar E., Köprü S., Keskin H., Project Supported by Higher Education Institutions, Benzotiyenopirimidin Bileşik Serisinin Elektron Konformasyon Genetik Algoritma EC GA Yöntemi İle QSAR İncelenmesi, 2011 - 2014

Çağlar Yavuz S., Sarıpınar E., Project Supported by Higher Education Institutions, Rutenyum II Aren Komplekslerinin Elektron Konformasyonel Genetik Algoritma EC GA Metodu ile Farmakofor Modellemesi ve 4D QSAR Analizi, 2012 - 2013

## Metrics

Publication: 37

Citation (WoS): 23

Citation (Scopus): 25

H-Index (WoS): 3

H-Index (Scopus): 4