

# Prof. AYLA BALABAN GÜNDÜZALP

## Personal Information

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## International Researcher IDs

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Publons / Web Of Science ResearcherID: AHE-8778-2022

ScopusID: 23018802900

Yoksis Researcher ID: 133473

## Foreign Languages

English, B2 Upper Intermediate

## Dissertations

Doctorate, 2-Piridinkarbaldehittiyosemikarbazon Schiff Bazının Çeşitli Geçiş Metali Komplekslerinin Sentezi ve Yapılarının Aydınlatılması, Gazi University, Fen Bilimleri Enstitüsü, Kimya (Dr), 1999

## Research Areas

Chemistry, Inorganic Chemistry, Bioinorganic Chemistry, Transition Metals, Coordination Chemistry, Novel Ligands, Natural Sciences

## Academic Titles / Tasks

Professor, Gazi University, Fen Fakültesi, Kimya, 2018 - Continues

Associate Professor, Gazi University, Fen Fakültesi, Kimya, 2013 - Continues

Assistant Professor, Gazi University, Fen Fakültesi, Kimya, 2007 - Continues

Research Assistant, Gazi University, Fen Fakültesi, Kimya, 1994 - 2007

## Academic and Administrative Experience

Erasmus Coordinator, Gazi University, Fen Fakültesi, Kimya Bölümü, 2017 - 2021

## Courses

Biyoinorganik Kimya, Undergraduate, 2024 - 2025

Bilgisayarla Molekül Modelleme, Undergraduate, 2023 - 2024  
ANORGANİK KİMYA LABORATUVARI, Undergraduate, 2017 - 2018  
KOORDİNASYON KİMYASI, Postgraduate, 2017 - 2018  
Koordinasyon Bileşiklerinde Manyetizma, Undergraduate, 2017 - 2018  
GENEL KİMYA, Undergraduate, 2017 - 2018  
Anorganik Kimya II, Undergraduate, 2017 - 2018

## Advising Theses

BALABAN GÜNDÜZALP A., Synthesis And Structural Characterization Of Schiff Bases Derived From Aminothiofene And Investigation Of Their Electrochemical Properties, Postgraduate, D.AKKAYA(Student), 2019  
BALABAN GÜNDÜZALP A., Azo grubu içeren heteroaromatik schiff bazlarının ve Cu(II) komplekslerinin sentezi, yapılarının aydınlatılması, antikanser aktivitelerinin incelenmesi, Postgraduate, Ö.TORAMAN(Student), 2016  
BALABAN GÜNDÜZALP A., Synthesis, Structural Characterization And Investigation Of Anticancer Activities Of Heteroatomic Schiff Bases Containing Azo Group And Their Cu(I) Complexes, Postgraduate, Ö.Toraman(Student), 2016  
BALABAN GÜNDÜZALP A., Synthesis, Characterization, Determination Of Inhibition Activity On Carbonic Anhydrase I Isoenzyme (Hca I) Of Aromatic Sulfonylhydrazones And Their Cu(I) Complexes, Postgraduate, E.ERDOĞDU(Student), 2015  
BALABAN GÜNDÜZALP A., Synthesis, characterization, investigation of enzyme inhibition on carbonic anhydrase i isoenzyme (hCAI) of furansulfonyl hydrazones and their Cu(II) complexes, Postgraduate, G.PARLAKGÜMÜŞ(Student), 2014  
BALABAN GÜNDÜZALP A., Synthesis, structural characterization and investigation of antibacterial activities of schiff bases containing azo pyrazole group and their Cu(II) complexes, Postgraduate, H.FECRİYE(Student), 2013  
BALABAN GÜNDÜZALP A., Diaminlerle bazı yeni Schiff bazlarının ve bunların metal komplekslerinin sentezi, karakterizasyonu ve antibakteriyel aktiviteleri, Postgraduate, İ.ÖZSEN(Student), 2010  
BALABAN GÜNDÜZALP A., SYNTHESIS, CHARACTERIZATION AND ANTIBACTERIAL ACTIVITIES OF SOME NEW SCHIFF BASES WITH DIAMINES AND THEIR METAL COMPLEXES, Postgraduate, İ.ÖZSEN(Student), 2010

## Jury Memberships

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi Üniversitesi, December, 2021  
Post Graduate, Post Graduate, Gazi Üniversitesi, November, 2021  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi Üniversitesi, July, 2021  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi Üniversitesi, June, 2021  
Doctoral Examination, Doctoral Examination, Gazi Üniversitesi, September, 2020  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Gazi Üniversitesi, July, 2020

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

- I. **Copper(II) sulfonamide complexes having enzyme inhibition activities on carbonic anhydrase I: synthesis, characterization and inhibition studies**  
Uzun D., Balaban Gündüzalp A., Parlakgumus G., Özdemir Özmen Ü., Özbek N., Aktan E.  
JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, vol.19, no.1, pp.55-69, 2022 (SCI-Expanded)
- II. **New sulfonylhydrazones containing methane sulfonic acid hydrazide having human anticarbonic anhydrase and antimicrobial activity: synthesis, spectroscopic characterization, electrochemical properties, and biological activities**

- Uzun D., Erdoğan E., Balaban Gündüzalp A., Özdemir Özmen Ü., Öztürk A., Özbek N., Kaya K., Abdulmajed O. Macedonian Journal Of Chemistry And Chemical Engineering, vol.40, no.2, pp.181-196, 2021 (SCI-Expanded)
- III. **Preparation and characterization of 3-[(1H-1,2,4-triazole-3-ylimino)methyl]naphthalene-2-ol film at the platinum surface for selective voltammetric determination of dopamine in the presence of uric acid and ascorbic acid**  
Tatlı F., Uzun D., Tabanlıgil Calam T., Balaban Gündüzalp A., Hasdemir E. SURFACE AND INTERFACE ANALYSIS, vol.51, no.4, pp.475-483, 2019 (SCI-Expanded)
- IV. **New bioactive silver(I) complexes: Synthesis, characterization, anticancer, antibacterial and anticonic anhydrase II activities**  
ÖZDEMİR ÖZMEN Ü., ÖZBEK N., KARAGÖZ GENÇ Z., İlbiz F., BALABAN GÜNDÜZALP A. JOURNAL OF MOLECULAR STRUCTURE, vol.1138, pp.55-63, 2017 (SCI-Expanded)
- V. **Structural, physicochemical characterization, theoretical studies of carboxamides and their Cu(II), Zn(II) complexes having antibacterial activities against E. coli**  
AKTAN E., BALABAN GÜNDÜZALP A., ÖZDEMİR ÖZMEN Ü. JOURNAL OF MOLECULAR STRUCTURE, vol.1128, pp.775-784, 2017 (SCI-Expanded)
- VI. **Synthesis, characterization, computational studies, antimicrobial activities and carbonic anhydrase inhibitor effects of 2-hydroxy acetophenone-N-methyl p-toluenesulfonylhydrazone and its Co(II), Pd(II), Pt(II) complexes**  
ÖZBEK N., Alyar S., Memmi B. K., BALABAN GÜNDÜZALP A., Bahceci Z., ALYAR H. JOURNAL OF MOLECULAR STRUCTURE, vol.1127, pp.437-448, 2017 (SCI-Expanded)
- VII. **Biologically active Schiff bases containing thiophene/furan ring and their copper(II) complexes: Synthesis, spectral, nonlinear optical and density functional studies**  
BALABAN GÜNDÜZALP A., Ozsen I., ALYAR H., Alyar S., ÖZBEK N. JOURNAL OF MOLECULAR STRUCTURE, vol.1120, pp.259-266, 2016 (SCI-Expanded)
- VIII. **New series of aromatic/five-membered heteroaromatic butanesulfonyl hydrazones as potent biological agents: Synthesis, physicochemical and electronic properties**  
HAMURCU F., Mamas S., ÖZDEMİR ÖZMEN Ü., BALABAN GÜNDÜZALP A., Şentürk O. S. JOURNAL OF MOLECULAR STRUCTURE, vol.1118, pp.18-27, 2016 (SCI-Expanded)
- IX. **Carbonic anhydrase inhibitors: Synthesis, characterization and inhibition activities of furan sulfonylhydrazones against carbonic anhydrase I (hCA I)**  
BALABAN GÜNDÜZALP A., Parlakgumus G., UZUN D., ÖZDEMİR ÖZMEN Ü., ÖZBEK N., SARI M., TUNÇ T. JOURNAL OF MOLECULAR STRUCTURE, vol.1105, pp.332-340, 2016 (SCI-Expanded)
- X. **Alkyl sulfonic acid hydrazides: Synthesis, characterization, computational studies and anticancer, antibacterial, anticonic anhydrase II (hCA II) activities**  
ÖZDEMİR ÖZMEN Ü., İlbiz F., BALABAN GÜNDÜZALP A., ÖZBEK N., KARAGÖZ GENÇ Z., HAMURCU F., TEKİN S. JOURNAL OF MOLECULAR STRUCTURE, vol.1100, pp.464-474, 2015 (SCI-Expanded)
- XI. **Synthesis, characterization, antibacterial activity and quantum chemical studies of N'-Acetyl propane sulfonic acid hydrazide**  
Alyar S., ALYAR H., ÖZDEMİR ÖZMEN Ü., Sahin O., Kaya K., ÖZBEK N., BALABAN GÜNDÜZALP A. JOURNAL OF MOLECULAR STRUCTURE, vol.1094, pp.237-245, 2015 (SCI-Expanded)
- XII. **Selective determination of dopamine in the presence of uric acid and ascorbic acid by N,N'-bis(indole-3-carboxaldimine)-1,2-diaminocyclohexane thin film modified glassy carbon electrode by differential pulse voltammetry**  
UZUN D., BALABAN GÜNDÜZALP A., HASDEMİR E. JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.747, pp.68-76, 2015 (SCI-Expanded)
- XIII. **Characterization, antibacterial, anticonic anhydrase II isoenzyme, anticancer, electrochemical and computational studies of sulfonic acid hydrazide derivative and its Cu(II) complex**  
ÖZDEMİR ÖZMEN Ü., AKTAN E., İlbiz F., BALABAN GÜNDÜZALP A., ÖZBEK N., SARI M., ÇELİK Ö., SAYDAM S. INORGANICA CHIMICA ACTA, vol.423, pp.194-203, 2014 (SCI-Expanded)
- XIV. **Screening of novel chemical compounds as possible inhibitors of carbonic anhydrase and photosynthetic activity of photosystem II**

KARACAN M. S., Zharmukhamedov S. K., Mamas S., Kupriyanova E. V., Shitov A. V., Klimov V. V., ÖZBEK N., ÖZDEMİR ÖZMEN Ü., BALABAN GÜNDÜZALP A., Schmitt F., et al.

JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B-BIOLOGY, vol.137, pp.156-167, 2014 (SCI-Expanded)

- XV. **New aromatic/heteroaromatic propanesulfonylhydrazone compounds: Synthesis, physical properties and inhibition studies against carbonic anhydrase II (CAII) enzyme**  
ÖZDEMİR ÖZMEN Ü., Altuntas A., BALABAN GÜNDÜZALP A., ARSLAN F., HAMURCU F.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.128, pp.452-460, 2014 (SCI-Expanded)
- XVI. **Synthesis, characterization, electrochemical behavior, and antimicrobial activities of aromatic/heteroaromatic sulfonylhydrazone derivatives**  
BALABAN GÜNDÜZALP A., ÖZDEMİR ÖZMEN Ü., ÇEVİRİMLİ B. S., Mamas S., ÇETE S.  
MEDICINAL CHEMISTRY RESEARCH, vol.23, no.7, pp.3255-3268, 2014 (SCI-Expanded)
- XVII. **Preparation of modified glassy carbon surface with N-(1-H-indole-3yl) methylene thiazole-2-amine and its characterization**  
UZUN D., ARSLAN H., BALABAN GÜNDÜZALP A., HASDEMİR E.  
SURFACE & COATINGS TECHNOLOGY, vol.239, pp.108-115, 2014 (SCI-Expanded)
- XVIII. **Synthesis, characterization, and antibacterial activity of the ligands including thiophene/furan ring systems and their Cu(II), Zn(II) complexes**  
BALABAN GÜNDÜZALP A., ÖZBEK N., KARACAN N.  
MEDICINAL CHEMISTRY RESEARCH, vol.21, no.11, pp.3435-3444, 2012 (SCI-Expanded)
- XIX. **The synthesis, characterization and antibacterial activities of dinuclear Ni(II), Cu(II) and Fe(III) Schiff base complexes**  
BALABAN GÜNDÜZALP A., Ozbay H. F.  
RUSSIAN JOURNAL OF INORGANIC CHEMISTRY, vol.57, no.2, pp.257-260, 2012 (SCI-Expanded)
- XX. **Copper(II) and zinc(II) complexes of thiophene/furan carboxamides: Synthesis, structure and properties**  
BALABAN GÜNDÜZALP A., Erk B.  
RUSSIAN JOURNAL OF INORGANIC CHEMISTRY, vol.55, no.7, pp.1094-1102, 2010 (SCI-Expanded)
- XXI. **Cr(III), Fe(III) and Co(III) complexes of tetradentate (ONNO) Schiff base ligands: Synthesis, characterization, properties and biological activity**  
Keskioglu E., BALABAN GÜNDÜZALP A., ÇETE S., Hamurcu F., Erk B.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.70, no.3, pp.634-640, 2008 (SCI-Expanded)
- XXII. **Synthesis, spectroscopic studies and crystal structure of N,N'-bis((thiophene-2-carboxamido)propyl)piperazine**  
BALABAN GÜNDÜZALP A., Colak N., ÜNVER H., Erk B., Durlu T. N., Zengin D. M.  
JOURNAL OF CHEMICAL CRYSTALLOGRAPHY, vol.38, no.5, pp.369-372, 2008 (SCI-Expanded)
- XXIII. **The synthesis, characterization and antimicrobial activity of N,N'-bis(2-thiophenecarboxamido)-1,3-diaminopropane and N,N'-bis(2-furancarboxamido)-1,3-diaminopropane and their Cu(II), Zn(II), Co(III) complexes**  
Hamurcu F., BALABAN GÜNDÜZALP A., ÇETE S., Erk B.  
TRANSITION METAL CHEMISTRY, vol.33, no.1, pp.137-141, 2008 (SCI-Expanded)
- XXIV. **Effect of Schiff bases containing pyridyl group as corrosion inhibitors for low carbon steel in 0.1 M HCl**  
YURT A., Bereket G., Kıvrak A., Balaban A., Erk B.  
JOURNAL OF APPLIED ELECTROCHEMISTRY, vol.35, no.10, pp.1025-1032, 2005 (SCI-Expanded)
- XXV. **The effect of film thickness on the optical absorption edge and optical constants of the Cr(III) organic thin films**  
Yakuphanoglu F., Sekerci M., Balaban A.  
OPTICAL MATERIALS, vol.27, no.8, pp.1369-1372, 2005 (SCI-Expanded)
- XXVI. **N-phenyl-N'-(2-thienylmethylene)hydrazine**

Ozcelik S., Dincer M., Sekerci M., Balaban A., Ozdemir Ü.

ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.60, 2004 (SCI-Expanded)

XXVII. **Investigation on some Schiff bases as HCl corrosion inhibitors for carbon steel**

YURT A., Balaban A., Kandemir S., Bereket G., Erk B.

MATERIALS CHEMISTRY AND PHYSICS, vol.85, no.2-3, pp.420-426, 2004 (SCI-Expanded)

XXVIII. **Synthesis, characterization, and electrical properties of metal complexes of 2-pyridinecarbaldehyde thiosemicarbazone**

Yakuphanoglu F., Balaban A., Dagdelen F., AYDOĞDU Y., Sekerci M., Erk B.

SYNTHESIS AND REACTIVITY IN INORGANIC AND METAL-ORGANIC CHEMISTRY, vol.32, no.10, pp.1865-1878, 2002 (SCI-Expanded)

## Articles Published in Other Journals

I. **Synthesis, Characterization and Theoretical Calculations of Schiff Base Containing Thiophene Ring System**

BALABAN GÜNDÜZALP A., ÇOLAK N., Altiner S., ŞAHİN Z. S.

GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.30, no.3, pp.255-265, 2017 (ESCI)

II. **Synthesis, Spectroscopic and Computational Studies of (E)-2-(2,3-dihydroxy)-benzylidene)amino)-6-methyl-4,5,6,7-tetrahydrobenzo[b]thiophene-3-carbonitrile**

ÇOLAK N., Altiner S., ŞAHİN Z. S., BALABAN GÜNDÜZALP A.

GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.30, no.3, pp.245-254, 2017 (ESCI)

## Books & Book Chapters

I. **New Piperazine Derivatives:Biologic and Spectroscopic Study**

ÖZBEK N., KARAKURT T., BALABAN GÜNDÜZALP A.

Lap Lambert Academic Publishing, 2019

II. **Experimental and Computational Studies on HeteroaromaticDiimines**

ALYAR S., ALYAR H., BALABAN GÜNDÜZALP A., Özsen İ.

LAP LAMBERT Academic Publishing, 2019

## Refereed Congress / Symposium Publications in Proceedings

I. **Environmentally friendly Anthracenebased Sulfonylhydrazone for use in biosensor preparation: Synthesis, Characterization and Computational Studies**

Güler H., ÇETE S., ÖZDEMİR ÖZMEN Ü., BALABAN GÜNDÜZALP A., AKIN ANAKÖK D., AKTAN E.

4th International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2022), 14 December 2022

II. **Cytotoxic Effect of Furan-2-Carboxamide Derivatives and Co (III)Compounds on the Human Prostate Cancer Cell Line**

KARAKUŞ A., ERDEN Y., HAMURCU F., BALABAN GÜNDÜZALP A.

VI.International Multidisciplinary Congress of Eurasia-IMCOFE 2018, 4 - 06 September 2018

III. **Cyclic and Differential Pulse Voltammetry Measurements of 3,5-**

**ditertiarybutylsalicylaldehydemethanesulfonylhydrozone and its Cu(II) Complex on Carbonic Anhydrase I**

UZUN D., BALABAN GÜNDÜZALP A., Erdogdu E., ÖZBEK N., ÖZDEMİR ÖZMEN Ü.

1st International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), 26 - 27 April 2018

- IV. **Synthesis, Characterization and Theoretical Calculations of Schiff Bases Derived from Dopamine,**  
BALABAN GÜNDÜZALP A., ÖZDEMİR ÖZMEN Ü.  
1st International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), 26 - 27 April 2018
- V. **Assessment of In Vitro Antimicrobial Activity of Novel Sulfonylhydrazone Derivatives**  
ÖZTÜRK A., BALABAN GÜNDÜZALP A., Erdogdu E., Abdulmajet O., KALKANCI A., ÖZDEMİR ÖZMEN Ü.  
1st International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), 26 - 27 April 2018
- VI. **EXPERIMENTAL AND COMPUTATIONAL STUDIES ON SCHIFF BASE 2-(2,3-DIHYDROXY)-BENZYLIDENE)AMINO)-6-METHYL-4,5,6,7-TETRAHYDROBENZO[B]THIOPHENE-3-CARBONITRILE**  
ÇOLAK N., ALTINER S., BALABAN GÜNDÜZALP A., ŞAHİN Z. S.  
I. International Scientific and Vocational Studies Congress, 5 - 08 October 2017
- VII. **Synthesis, Characterization and Theoretical Calculation of Schiff Base "2-((2-Methoxybenzylidene)Amino)-6-Methyl-4,5,6,7-Tetrahydrobenzo[B] Thiophene-3-Carbonitrile"**  
BALABAN GÜNDÜZALP A., ÇOLAK N., Altner S., ŞAHİN Z. S.  
I. International Scientific and Vocational Studies Congress, 5 - 08 October 2017
- VIII. **Synthesis, Characterization, DFT Calculations and Antimicrobial Studies of Heteroaromatic Diimines and Their Copper(II) Complexes**  
Akyıldız F., BALABAN GÜNDÜZALP A., ALYAR H., Özsen İ., ÖZBEK N., ALYAR S.  
3rd International Turkish Congress on Molecular Spectroscopy (TURCMOS 2017), 26 - 29 August 2017
- IX. **Tiyofen İçeren Yeni Schiff Bazı ve Metal Komplekslerinin Sentezi, Karakterizasyonu ve Antibakteriyel Aktiviteleri**  
ALYAR H., ALYAR S., BALABAN GÜNDÜZALP A.  
IVEK 3rd International Convention of Pharmaceuticals and Pharmacies, 26 - 29 April 2017
- X. **Furan İçeren Yeni Schiff Bazı ve Metal Komplekslerinin Sentezi, Karakterizasyonu ve Antibakteriyel Aktiviteleri**  
ALYAR H., ALYAR S., BALABAN GÜNDÜZALP A.  
IVEK 3rd International Convention of Pharmaceuticals and Pharmacies, 26 - 29 April 2017
- XI. **Synthesis, Characterization and Theoretical Calculation of 4-Amino-7-methyl (ethyl)-2-oxo-1,2,5,6,7,8-hexahydrothieno[2,3-b:5,4-c]dipyridine-3-carbonitrile**  
ÇOLAK N., BALABAN GÜNDÜZALP A., YAVUZ S.  
International Congress on Applied Science and Technology (ASTECH'xx2017)60, Malaga, Spain, 17 - 20 April 2017
- XII. **New bioactive Ag I Complexes with Alkyl Sulfonic Acide Hydrazides Synthesis Characterization Computational Studies Antibacterial and Anticarbonic Anhydrase II hCAII Activities**  
ÖZBEK N., ÖZDEMİR ÖZMEN Ü., BALABAN GÜNDÜZALP A., İLBİZ F.  
International Turkic World Conference on Chemical Sciences and Technologies, 26 - 30 October 2016
- XIII. **Carbonic Anhydrase CA Inhibitors as Pollution Biomarkers Investigation of Enzyme Inhibition by Using Electrochemical Methods**  
BALABAN GÜNDÜZALP A., UZUN D., ÖZDEMİR ÖZMEN Ü., Erdoğan E.  
1ST INTERNATIONAL BLACK SEA CONGRESS ON ENVIRONMENTAL SCIENCES (IBCESS), 31 August - 03 September 2016
- XIV. **Potent Heavy Metal Remover Schiff Base Containing Thiophene Ring and Its Electrochemical Behavior**  
Akkaya D., ÇOLAK N., BALABAN GÜNDÜZALP A., Mamaş S.  
1ST INTERNATIONAL BLACK SEA CONGRESS ON ENVIRONMENTAL SCIENCES (IBCESS), 31 August - 03 September 2016
- XV. **VIBRATIONAL SPECTRA and NONLINEAR OPTICAL PROPERTIES NLO OF 1 4 BIS 3 THIOPHENE 2 CARBOXALDIMINE PROPYL PIPERAZINE**  
ALYAR H., Alyar S., BALABAN GÜNDÜZALP A.  
Turkish Physical Society 32nd International Physics Congress, 29 - 30 August 2016
- XVI. **HOMO LUMO MEP ANALYZE MULLIKEN ATOMIC CHARGES and REACTIVITY DESCRIPTORS OF 1 4 BIS**

### **3 THIOPHENE 2 CARBOXALDİMİNE PROPYL PİPERAZİNE**

ALYAR H., Alyar S., BALABAN GÜNDÜZALP A.

Turkish Physical Society 32nd International Physics Congress, 29 - 30 August 2016

- XVII. **SYNTHESIS CHARACTERIZATION OF METHYL 2 AMINO 6 METHYL 4 5 6 7 TETRAHYDROBENZO b THIOPHENE 3 CARBOXYLATE AND ITS ELECTROCHEMICAL BEHAVIORS**  
BALABAN GÜNDÜZALP A., ÇOLAK N., Akkaya D., Mamaş S.  
A II in One Conference, 2nd International Conference on New Trends in Chemistry, 19 - 22 April 2016
- XVIII. **elective Carbonic Anhydrase I Inhibitors Electrochemical Characterization of Aromatic Substitue Sulfonamide and Its Copper II Complex**  
UZUN D., BALABAN GÜNDÜZALP A., ÖZDEMİR ÖZMEN Ü., Parlakgümüş G.  
All in One Conference, 2nd International Conference on New Trends in Chemistry, 19 - 22 April 2016
- XIX. **Selective Carbonic Anhydrase I Inhibitors Electrochemical Characterization of Aromatic Substitue Sulfonamide and Its Copper II Complex**  
UZUN D., BALABAN GÜNDÜZALP A., ÖZDEMİR ÖZMEN Ü., erdoğan e.  
All in One Conference, 2nd International Conference on New Trends in Chemistry ZAGREB-CROATIA, 19 - 22 April 2016
- XX. **Theoretical investigation on structural and electronic properties of furan carboxamide and its metal complexes**  
AKTAN E., BALABAN GÜNDÜZALP A., ÖZDEMİR ÖZMEN Ü.  
All in One Conference, 2nd International Conference on New Trends in Chemistry, 19 - 22 April 2016
- XXI. **Theoretical studies on thiophene carboxamide and its Cu II Zn II complexes**  
AKTAN E., BALABAN GÜNDÜZALP A., ÖZDEMİR ÖZMEN Ü.  
All in One Conference, 2nd International Conference on New Trends in Chemistry, 19 - 22 April 2016
- XXII. **THE SYNTHESIS OF SCHIFF BASE METHYL 2 5 CHLORO 2 HYDROXYBENZYLIDENE AMINO 6 METHYL 4 5 6 7 TETRA HYDROTHIENO 2 3 C PYRIDINE 3 CARBOXYLATE AND INVESTIGATION OF ITS ELECTROCHEMICAL PROPERTIES**  
ÇOLAK N., BALABAN GÜNDÜZALP A., Mamaş S., Akkaya D.  
All in One Conference, 2nd International Conference on New Trends in Chemistry, 19 - 22 April 2016
- XXIII. **Enzyme Inhibition Studies of Furan Sulfonylhydrazone Cu II Complexes by Using Differential Pulse Voltammetry DPV Method**  
UZUN D., BALABAN GÜNDÜZALP A., ÖZDEMİR ÖZMEN Ü., Parlakgümüş G.  
All in One Conference, 2nd International Conference on New Trends in Chemistry, 19 - 22 April 2016
- XXIV. **Theoretical studies on thiophene carboxamide and its Cu II and Zn II complexes**  
AKTAN E., BALABAN GÜNDÜZALP A., ÖZDEMİR ÖZMEN Ü.  
2nd International Conference on New Trends in Chemistry, Zagreb, Croatia, 19 - 22 April 2016
- XXV. **Carbonic Anhydrase I hCA I Inhibitor Determination of Inhibition Effect of Bis furan 2 aldehydemethanesulfonylhydrazone copper II chloride by Spectrophotometric Method**  
BALABAN GÜNDÜZALP A., Gökhan P., ÖZDEMİR ÖZMEN Ü., ÖZBEK N.  
11th International Symposium on Pharmaceutical Sciences Ankara University, 9 - 12 June 2015
- XXVI. **Synthesis, Characterization, Antibacterial Activity and Computational Studies of N'-Acetyl Propane Sulfonic Acide Hydrazide**  
ALYAR S., ALYAR H., ÖZDEMİR ÖZMEN Ü., şahin Ö., KAYA K., ÖZBEK N., BALABAN GÜNDÜZALP A.  
V. Ulusal Anorganik Kimya Kongresi Mersin, Turkey, 22 - 25 April 2015
- XXVII. **Bazı Aromatik Sülfonilhidrazonların Cu(II) Komplekslerinin Karbonik Anhidraz I İzoenzime (hCA I) Karşı İnhibisyon Aktivitesinin Spektrofotometrik Yöntemle Tayini**  
BALABAN GÜNDÜZALP A., Erdoğan E., ÖZBEK N., ÖZDEMİR ÖZMEN Ü.  
V. Ulusal Anorganik Kimya Kongresi Mersin, Turkey, 22 - 25 April 2015
- XXVIII. **Furan Sülfonilhidrazon-Cu(II) Komplekslerinin Sentezi, Karakterizasyonu, Karbonik Anhidraz I İzoenzime (hCA I) Karşı İnhibisyon Etkisinin Spektrofotometrik Yöntemle Belirlenmesi**  
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XV. Ulusal Kimya Kongresi Boğaziçi Üniversitesi, İstanbul, Turkey, 4 September - 07 July 2001
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XIV. Ulusal Kimya Kongresi Diyarbakır, TÜRKİYE, Turkey, 10 - 15 September 2000

## **Supported Projects**

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BALABAN GÜNDÜZALP A., Project Supported by Higher Education Institutions, FuranSülfonilhidrazon Schiff Bazları ve Cu(II) Komplekslerinin Sentezi, Karakterizasyonu ve Karbonik Anhidraz I (CAI) Izoenzimi Üzerine İnhibisyonu, 2011 - 2015

BALABAN GÜNDÜZALP A., Project Supported by Higher Education Institutions, Karboksamit Bileşenlerinin Ve Bunların Geçiş Metali Komplekslerinin Sentezi, Yapılarının Spektroskopik ve Termal Yöntemlerle Aydınlatılması, Antimikrobiyal ve Antioksidan Özelliklerinin İncelenmesi, 2007 - 2010

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## **Activities in Scientific Journals**

SCIREA journal of Chemistry, Scientific Committee Membership, 2017 - Continues

## **Scientific Refereeing**

TUBITAK Project, 1002 - Quick Support Program, Istanbul University, Turkey, January 2020

## **Metrics**

Publication: 88

Citation (WoS): 1051

Citation (Scopus): 1151

H-Index (WoS): 17

H-Index (Scopus): 17

## **Non Academic Experience**

Gazi Üniversitesi