

## Asst. Prof. SABRİYE AYDINOĞLU MARINELLI

### Personal Information

**Office Phone:** [+90 322 338 7334](tel:+903223387334) Extension: 104

**Fax Phone:** [+90 322 338 7336](tel:+903223387336)

**Email:** [saydinoglu@cu.edu.tr](mailto:saydinoglu@cu.edu.tr)

**Web:** <https://avesis.cu.edu.tr//saydinoglu>

**Address:** [sabriyeaydinoglu@gmail.com](mailto:sabriyeaydinoglu@gmail.com)

### International Researcher IDs

ORCID: 0000-0001-5054-4071

Yoksis Researcher ID: 106769

### Education Information

Doctorate, Universita Degli Studi di Pisa, Kimya Fakülte, Analitik Kimya Anabilim Dalı, Italy 2009 - 2012

Postgraduate, Cukurova University, Fen-Edebiyat Fakültesi, Kimya, Turkey 2003 - 2008

Undergraduate, Cukurova University, Fen-Edebiyat Fakültesi, Kimya, Turkey 1998 - 2002

### Foreign Languages

English, B2 Upper Intermediate

Italian, B2 Upper Intermediate

### Dissertations

Doctorate, The Interaction Mechanisms of Gold(III) with the Metal Extractant PADA in Water/Micelle Media and Applications to Gold(III) Extraction, Universita Degli Studi Di Pisa, Dipartimento Chimica E Chimica Industriale, Chimica Analitica, 2012

Postgraduate, A COPPER-PORPHYRIN SYSTEM AS NUCLEIC ACID INTERCALATOR: KINETIC AND THERMODYNAMIC STUDIES ON COMPLEX FORMATION AND DNA INTERACTION , Cukurova University, Fen Bilimleri Enstitüsü, Kimya, 2008

### Research Areas

Chemistry, Analytical Chemistry, Atomic Mass Spectrometry, Separation Methods, Spectroscopical Methods, Natural Sciences

### Academic Titles / Tasks

Assistant Professor, Cukurova University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2013 - Continues

### Academic and Administrative Experience

Erasmus Program Institutional Coordinator, Cukurova University, 2014 - Continues  
Head of Department, Cukurova University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri, 2014 - Continues  
Cukurova University, Eczacılık Fakültesi, 2014 - Continues  
Cukurova University, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 2014 - 2017

## Courses

Analitik Kimya Laboratuvarı I, Undergraduate, 2017 - 2018, 2016 - 2017  
Analitik Kimya I, Undergraduate, 2017 - 2018  
Analitik Kimya II, Undergraduate, 2017 - 2018  
Analitik Kimya Laboratuvarı II, Undergraduate, 2017 - 2018

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

- I. **Design, synthesis, biological evaluation and docking analysis of pyrrolidine-benzenesulfonamides as carbonic anhydrase or acetylcholinesterase inhibitors and antimicrobial agents**  
Poyraz S., Döndaş H. A., Yamalı C., Belveren S., Demir Y., Aydınoğlu S., Yaktubay Döndaş N., Taşkın Tok T., Taş S., Ülger M.  
JOURNAL OF BIOMOLECULAR STRUCTURE AND DYNAMICS, no.1, pp.1-18, 2023 (SCI-Expanded)
- II. **Design, synthesis, biological evaluation and docking analysis of pyrrolidine-benzenesulfonamides as carbonic anhydrase or acetylcholinesterase inhibitors and antimicrobial agents**  
Poyraz S., Döndaş H., Yamalı C., Belveren S., Demir Y., Aydınoğlu S., Yaktubay Döndaş N., Taşkın Tok T., Taş S., Ülger M., et al.  
JOURNAL OF BIOMOLECULAR STRUCTURE AND DYNAMICS, pp.1-18, 2023 (SCI-Expanded)
- III. **Iron and Zinc Determination in Dietary Supplements by Flame Atomic Absorption Spectrophotometry**  
Aydınoğlu S.  
BRAZILIAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.58, pp.1-12, 2022 (SCI-Expanded)
- IV. **Biological properties and conformational studies of amphiphilic Pd(II) and Ni(II) complexes bearing functionalized aroylaminocarbo-N-thiopyrrolinate units**  
Poyraz S., Belveren S., AYDINOĞLU S., Ülger M., de Cozar A., Retamosa M. d. G., Sansano J. M., DÖNDAŞ H. A.  
BEILSTEIN JOURNAL OF ORGANIC CHEMISTRY, vol.17, pp.2812-2821, 2021 (SCI-Expanded)
- V. **Auramine O interaction with DNA: a combined spectroscopic and TD-DFT analysis**  
AYDINOĞLU S., Pasti A., Biver T., Mennucci B.  
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, vol.21, no.37, pp.20606-20612, 2019 (SCI-Expanded)
- VI. **Mechanistic details on Pd(II)/5,10,15,20-tetrakis(1-methyl-4-pyridyl)porphyrin complex formation and reactivity in the presence of DNA**  
Biver T., AYDINOĞLU S., Greco D., Macii F.  
MONATSHFTE FÜR CHEMIE, vol.149, no.1, pp.175-183, 2018 (SCI-Expanded)
- VII. **Studies on DNA interaction of organotin(IV) complexes of meso-tetra(4-sulfonatophenyl)porphine that show cellular activity**  
AYDINOĞLU S., Biver T., Figuccia S., Fiore T., Montanaro S., Pellerito C.  
JOURNAL OF INORGANIC BIOCHEMISTRY, vol.163, pp.311-317, 2016 (SCI-Expanded)
- VIII. **The mechanism of the reaction between Au(III) and PADA in sodium dodecylsulphate**  
AYDINOĞLU S., Biver T., SECCO F., Venturini M.  
COLLOIDS AND SURFACES A-PHYSICOCHEMICAL AND ENGINEERING ASPECTS, vol.498, pp.81-87, 2016 (SCI-Expanded)
- IX. **Gold(III) extraction and recovery and gold(III)/copper(II) separation using micelles**  
Aydinoglu S., Biver T., CECCARINI A., SECCO F., Venturini M.

- COLLOIDS AND SURFACES A-PHYSCOCHEMICAL AND ENGINEERING ASPECTS, vol.482, pp.324-328, 2015 (SCI-Expanded)
- X. **The kinetics of gold(III) extraction by pyridine-2-azo-p-dimethylaniline in water and in micellar systems**  
Aydinoglu S., Biver T., SECCO F., Venturini M.  
COLLOIDS AND SURFACES A-PHYSCOCHEMICAL AND ENGINEERING ASPECTS, vol.481, pp.431-438, 2015 (SCI-Expanded)
- XI. **Effects of micelle nature and concentration on the acid dissociation constants of the metal extractor PADA**  
AYDINOĞLU S., Biver T., Secco F., Venturini M.  
COLLOIDS AND SURFACES A-PHYSCOCHEMICAL AND ENGINEERING ASPECTS, vol.461, pp.303-309, 2014 (SCI-Expanded)

### Articles Published in Other Journals

- I. **Elemental Analysis of Hypericum triquetrifolium Species by Inductively Coupled Plasma Mass Spectrometry**  
Aydinoğlu S., Şerbetçi T.  
Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.25, no.3, pp.712-716, 2021 (Peer-Reviewed Journal)

### Refereed Congress / Symposium Publications in Proceedings

- I. **"The Investigation of Organometallic Compounds Biological Material Interaction"**  
AYDINOĞLU S., Kutlu Y.  
5th International Eurasian Conference on Biological and Chemical Sciences, 23 November 2022
- II. **ANTIOXIDANT BIOLOGICAL MATERIAL INTERACTION**  
AYDINOĞLU S., BAYRAKÇI O.  
Uluslararası Sağlık Bilimleri Kongresi ICHES-IDU-2022, İzmir, Turkey, 21 - 22 October 2022
- III. **ANALYTICAL INVESTIGATION OF DRUG PROTEIN INTERACTION**  
AYDINOĞLU S., Canavar M.  
INTERNATIONAL HAZAR SCIENTIFIC RESEARCH CONGRESS - III, Azerbaijan, 07 January 2022
- IV. **Iron and Zinc Determination in Dietary Supplements by Flame Atomic Absorption Spectrometry**  
AYDINOĞLU S.  
3rd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2020), 19 - 20 March 2020
- V. **Mechanism of Auramine O Binding to DNA Studied by a Spectroscopic Approach**  
AYDINOĞLU S., Pasti A., Biver T., Menucci B.  
2nd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2019), 28 - 29 June 2019
- VI. **Çukurova Üniversitesi Eczacılık Fakültesi Eczacılık Eğitiminde Sosyal Sorumluluk Projelerinin Yeri ve Önemi**  
GÜVEN U. M., AYGÜL A., DEMİRTÜRK E., TARI Ö., DEMİRCİ KAYIRAN S., AYDINOĞLU F., ALPTEKİN Ö., AYDINOĞLU S., BÜYÜKNACAR H. S., Çıragil P., et al.  
II. Ulusal Eczacılık Eğitimi ve Akreditasyon Kongresi, Eskişehir, Turkey, 10 - 11 May 2018, pp.35
- VII. **DNA binding of organotin IV complexes of meso tetra 4 sulfonatophenyl porphine showing cellular activity**  
AYDINOĞLU S., Biver T., Fiore T., Montanaro S., Pellerito C.  
ISMEC 2016 International Symposium of Metal Complexes, Spain, 7 - 10 June 2016, pp.87-88

- VIII. **Diorganotin(IV) and triorganotin(IV) complexes of meso tetra(4 sulfonatophenyl)porphine: do they bind DNA?**  
 AYDINOĞLU S., Biver T., Fiore T., Figuccia S., Pellerito C.  
 BioMet 15 XV PharmacBioMetallics, Bari, Italy, 23 - 24 October 2015, pp.80
- IX. **Mechanism of a Pd(II)/porphyrin complex formation and studies on its interaction with polynucleotides**  
 AYDINOĞLU S., Biver T., Macii F., Montanaro S., Secco F., Venturini M.  
 International Symposium on Metal Complexes 2015, Wroclaw, Poland, 24 - 28 June 2015, vol.5, pp.72-73
- X. **Interaction of the Pd II complex of 5 10 15 20 tetrakis 1 methyl 4 pyridiyl porphyrine with natural DNA**  
 AYDINOĞLU S., Biver T.  
 11th International Symposium on Pharmaceutical Sciences, Ankara, Turkey, 9 - 12 June 2015, pp.110-111
- XI. **The Mechanism of the Reaction of gold (III) ion with pyridine-2-azo-p-dimethylaniline in water and SDS**  
 AYDINOĞLU S.  
 International Symposium on Metal Complexes 2012, Lisbon, Portugal, 18 - 22 June 2012, vol.2, pp.118-119
- XII. **The interaction mechanism of gold(III) with the metal extractant PADA in DTAC micellar medium and applications to gold(III) extraction**  
 AYDINOĞLU S.  
 XXIII International Symposium on Metal Complexes, Lizbon, Portugal, 18 - 22 June 2012, pp.241-242
- XIII. **Gold Copper Extraction and Separation by Micellar Enhanced Ultrafiltration**  
 AYDINOĞLU S.  
 XXII International Symposium on Metal Complexes, Messina, Italy, 13 June 2011, vol.1, pp.94-95
- XIV. **Micellar- Enhanced Ultrafiltration of Gold(III) with Anionic and Cationic Surfactants**  
 AYDINOĞLU S., Biver T., Venturini M., SECCO F.  
 XXI Italian Spanish Congress on the Thermodynamics of Metal Complexes ISMEC 2010, Bilbao, Spain, 7 - 11 June 2010, pp.117
- XV. **inetic and Thermodynamic Studies on Gold Extraction by Using Micellar System: The PADA/SDS and PADA/DTAC Systems**  
 AYDINOĞLU S., Biver T., Venturini M., SECCO F.  
 23rd Conference of the European Colloid and Interface Society ECIS 2009, Antalya, Turkey, 7 - 11 September 2009, pp.120
- XVI. **Effects of Micelle Charge and Concentration on Acid Dissociation Constants of Ligands Suitable for Metal Extraction : The PADA/SDS and PADA/DTAC Systems**  
 AYDINOĞLU S., Biver T., Venturini M., SECCO F.  
 XX Italian Spanish Congress on the Thermodynamics of Metal Complexes ISMEC 2009, Pisa, Italy, 7 - 11 June 2009, pp.72
- XVII. **Copper-Porphyrin Systems as Nucleic Acid Intercalators: Kinetic and Thermodynamic Studies on Complex Formation and DNA Interaction**  
 AYDINOĞLU S., Biver T., Boggioni A., SECCO F., Venturini M.  
 XIX International Congress on Thermodynamics of Metal Complexes SIMEC-08, Baeza, Spain, 9 - 13 June 2008, pp.109

## Supported Projects

AYDINOĞLU MARINELLI S., Project Supported by Higher Education Institutions, The mechanism of the reaction between Au(III) and PADA in sodium dodecylsulphate, 2016 - 2018

ÖĞÜLENER N., ALPTEKİN Ö., ÇIRAGİL P., AYDINOĞLU S., DEMİRCİ S., TARI Ö., BÜYÜKNACAR H. S., AYDINOĞLU F., Project Supported by Higher Education Institutions, ÇÜ ECZACILIK FAKÜLTESİ İKİNCİ SINIF ÖĞRENCİ LABORATUVARI ALT YAPI PROJESİ, 2017 - 2017

AYDINOĞLU MARINELLI S., Project Supported by Higher Education Institutions, Effects of micelle nature and concentration on the acid dissociation constants of the metal extractor PADA, 2015 - 2017

ÖĞÜLENER N., AYGÜL A., BÜYÜKNACAR H. S., AYDINOĞLU S., ALPTEKİN Ö., AYDINOĞLU F., DEMİRCİ S., KUMCU E., ÇIRAGİL P., TARI Ö., Project Supported by Higher Education Institutions, Ç.Ü. ECZACILIK FAKÜLTESİ BİRİNCİ SINIF ÖĞRENCİ LABORATUVARI ALT YAPI PROJESİ, 2016 - 2016

AYDINOĞLU MARINELLI S., Project Supported by Higher Education Institutions, DNA BINDING OF ORGANOTINIV COMPLEXES OF MESO-TETRA(4-SULFONATOPHENYL) PORPHINE SHOWING CELLULAR ACTIVITY, 2016 - 2016

AYDINOĞLU MARINELLI S., Project Supported by Higher Education Institutions, Interaction of the Pd (II) complex of 5,10,15,20-tetrakis(1-methyl-4-pyridyl)-porphyrine with natural DNA, 2015 - 2015

## Metrics

Publication: 34

Citation (WoS): 50

Citation (Scopus): 53

H-Index (WoS): 5

H-Index (Scopus): 5

## Congress and Symposium Activities

Summer School of Bioinorganic Medicinal Chemistry, Attendee, Cagliari, Italy, 2015

11th International Symposium on Pharmaceutical Sciences, Attendee, Ankara, Turkey, 2015

Year of Light- The Chemical Point of View, Attendee, Pisa, Italy, 2015

IVEK, Attendee, İstanbul, Turkey, 2014

XXII International Symposium on Metal Complexes, ISMEC 2011, Attendee, Messina, Italy, 2011

XXI Italian Spanish Congress on the Thermodynamics of Metal Complexes ISMEC 2010, Attendee, Bilbao, Spain, 2010

23rd Conference of the European Colloid and Interface Society ECIS 2009, Attendee, Antalya, Turkey, 2009

XX Italian Spanish Congress on the Thermodynamics of Metal Complexes ISMEC 2009, Attendee, Pisa, Italy, 2009

## Scholarships

Araştırma Bursu, Official Institutions of Foreign Countries, 2012 - 2012

Galileo Galilei Ph. D Scholarship, University, 2009 - 2012

## Non Academic Experience

Misis Apre