

## Prof. ERTUĞRUL GAZİ SAĞLAM

### Personal Information

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### International Researcher IDs

ScholarID: [yw4DTOUAAAAJ](https://orcid.org/0000-0002-7719-3934)

ORCID: [0000-0002-7719-3934](https://orcid.org/0000-0002-7719-3934)

Publons / Web Of Science ResearcherID: [I-7704-2019](https://publons.com/author/17704-2019/)

ScopusID: [36675689200](https://orcid.org/0000-0002-7719-3934)

Yoksis Researcher ID: [106889](https://orcid.org/0000-0002-7719-3934)

### Education

Doctorate, Ankara University, Institute Of Science, Chemistry, Turkey 1999 - 2004

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Chemistry, Turkey 1995 - 1998

Undergraduate, Erciyes University, Fen Fakültesi, Kimya , Turkey 1990 - 1994

### Biography

He completed undergraduate education in Erciyes University, Faculty of Arts and Sciences, Department of Chemistry 1994, and master's education in 1998; doctorate education at Ankara University in 2004. He worked as a research assistant at Erciyes University, in the Chemistry Department, between 1994-1999. He held administrative positions in a private, semi-official organizations and international organizations. He worked as Assistant Professor (2011-2017) and Associate Professor (2017-2020) at Yozgat Bozok University, Faculty of Arts and Sciences, Department of Chemistry. He has started to work as an Associate Professor at Marmara University, Faculty of Science, Department of Chemistry in 2020. He has been working as a Professor at the same university since October 2022. His research and projects continue on the synthesis and characterization of new compounds of the thio-phosphorus group (dithiophosphonic / dithiophosphinic), which has industrial importance.

Research areas; Coordination Compounds, Inorganic Ring Compounds, Organometallic Compounds, Thio-phosphorus Compounds.

### Certificates, Courses and Trainings

Security, Patlayıcı Ortamlarda Güvenlik (Safety in Explosive Environments), Yeditepe University, 2006

Other, Sorumlu Müdürlük (Fuelling Responsible Manager), Union of Chambers of Turkish Engineers and Architects Chamber of Chemical Engineers of Ankara Branch, 2006

Foreign Language, King's School of English, Bournemouth, UK, Kings English UK Central Admissions; <https://www.kingseducation.com/uk-uni/factsheets/contact-us>, 2005

## Dissertations

Doctorate, SYNTHESIS AND INVESTIGATION ON THE COMPLEXES OF THIO- AND SELENOPHOSPHINIC ACIDS, Ankara University, Fen Bilimleri Enstitüsü, 2004

Postgraduate, Synthesis of some transition element chelate complexes of some newly synthesized organic ligands and their investigation by spectroscopic methods, Erciyes University, Fen Bilimleri Enstitüsü, Chemistry, 1998

## Research Areas

Chemistry, Inorganic Chemistry, Inorganic Ring Compounds, Coordination Chemistry, Organometallic Chemistry, Novel Ligands, Organic Spectroscopy

## Academic Positions

Professor, Marmara University, Faculty of Arts and Sciences, Chemistry, 2022 - Continues

Associate Professor, Marmara University, Faculty of Arts and Sciences, Chemistry, 2020 - 2022

Associate Professor, Yozgat Bozok University, Faculty Of Arts And Sciences, 2017 - 2020

Assistant Professor, Yozgat Bozok University, Faculty Of Arts And Sciences, 2011 - 2017

Research Assistant, Erciyes University, Fen Fakültesi, Kimya , 1994 - 1999

## Academic and Administrative Experience

BAP Scientific Commissioner, Yozgat Bozok University, 2016 - 2020

Program Değerlendirme Kurulu Üyesi, Yozgat Bozok University, Chemistry, 2016 - 2020

Head of Department, Yozgat Bozok University, Faculty Of Arts And Sciences, 2011 - 2020

## Courses

### Doctorate

Electron and Chemical Interactions I, Doctorate, 2021 - 2022

Thesis Advisor, Doctorate, 2021 - 2022, 2020 - 2021

Lanthanide and Actinide Chemistry, Doctorate, 2020 - 2021

Advanced Coordination Chemistry II, Doctorate, 2020 - 2021

Laboratory Safety, Doctorate, 2021 - 2022

Synthesis of Heterocyclic Compounds II, Doctorate, 2021 - 2022, 2020 - 2021

Molecular Symmetry and Group Theory, Doctorate, 2021 - 2022

Thesis I, Doctorate, 2019 - 2020

Skilled Field Course-I & II, Doctorate, 2019 - 2020, 2018 - 2019, 2017 - 2018

Magnetism and Spectroscopy, Doctorate, 2019 - 2020

Structure Methods of Inorganic Compounds, Doctorate, 2018 - 2019

Inorganic Reaction Mechanisms, Doctorate, 2018 - 2019

### Postgraduate

Crystal Chemistry, Postgraduate, 2020 - 2021

Laboratory Safety, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018

Coordination Chemistry, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018

Thesis Study I & II, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018

Chemical Bonds, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018

Inorganic Chemistry Laboratory, Postgraduate, 2018 - 2019

Organometallic Compounds Chemistry, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018

General Chemistry I, Postgraduate, 2018 - 2019

General Chemistry II, Postgraduate, 2018 - 2019

### **Undergraduate**

Inorganic Chemistry Laboratory II, Undergraduate, 2021 - 2022

Inorganic Chemistry II, Undergraduate, 2021 - 2022, 2020 - 2021

TEBFİZ60-3-Kişisel Proje, (Council of Higher Education, Basic Sciences Program in the Outstanding Students Class, TEBİP), Undergraduate, 2020 - 2021

Research Project, Undergraduate, 2021 - 2022

Inorganic Chemistry Reaction Mechanisms, Undergraduate, 2020 - 2021

Safe Working Techniques in the Laboratory, Undergraduate, 2021 - 2022

General Chemistry I, Undergraduate, 2021 - 2022

Inorganic Chemistry Laboratory , Undergraduate, 2019 - 2020

Inorganic Chemistry, Undergraduate, 2019 - 2020

Inorganic Chemistry, Undergraduate, 2019 - 2020, 2017 - 2018

Chemistry, Undergraduate, 2019 - 2020

Chemistry, Undergraduate, 2018 - 2019

Chemistry, Undergraduate, 2017 - 2018

Complex Chemistry, Undergraduate, 2017 - 2018

Chemistry, Undergraduate, 2017 - 2018

### **Supervised Theses**

Sağlam E. G., Bulat E., Synthesis of Aromatic Perthiophosphonic Acid Anhydride Derivatives and Elucidation of their Structure, Postgraduate, N.Nur(Student), Continues

Sağlam E. G., Bulat E., Synthesis and Synthesis of Six Coordinated Ni(II) Dithiophosphonate Complexes Characterization, Postgraduate, İ.ÖZYURT(Student), 2024

Saçmacı M., Sağlam E. G., Synthesis and Characterization of Cyclic Phosphorus Sulfur Compounds with Aromatic Substitue, Postgraduate, T.ERKAN(Student), 2024

Sağlam E. G., Synthesis and Structural Characterization of New Dithiophosphonic Acid, Derivatives and Complexes from 2,4-diorganyl-1,3,2,4-dithiadiphosphetane-2,4-disulfide, Doctorate, E.BULAT(Student), 2023

Saçmacı M., Sağlam E. G., Synthesis And Structural Characterization of Homo Dinuclear Phosphorus 1,1-Dithiolate Cd(II) Complexes, Postgraduate, Y.Servet(Student), 2022

Sağlam E. G., ANISOLE SUBSTITUTED PERTHIOPHOSPHONIC ACID ANHYDRIDES: SYNTHESSES AND CHARACTERIZATION OF ADDITION PRODUCTS WITH ALCOHOLS, Postgraduate, A.YILDIRIM(Student), 2020

Sağlam E. G., Acar N., SYNTHESIS AND STRUCTURAL CHARACTERIZATION OF FOUR AND SIX COORDINATED NICKEL(II) DITHIOPHOSPHONATE COMPLEXES, Postgraduate, İ.DEMİREL(Student), 2019

Sağlam E. G., SYNTHESSES AND SPECTROSCOPIC CHARACTERIZATION ON PHENANTHROLINE-CONTAINING NICKEL COMPLEXES ORGANODITHIO-PHOSPHORUS, Postgraduate, A.AKGÜN(Student), 2019

Sağlam E. G., SYNTHESIS AND STRUCTURAL CHARACTERIZATION OF FOUR AND SIX COORDINATED NICKEL(II) DITHIOPHOSPHONATE COMPLEXES, Postgraduate, E.BULAT(Student), 2018

Sağlam E. G., SYNTHESIS AND STRUCTURAL INVESTIGATION OF ADDITION REACTION'S YIELDS OF 1,3,2,4-DITHIADIPHOSPHETANE-2,4-DISULFIDE, Postgraduate, Ö.TUTSAK(Student), 2017

Türkoğlu O., Sağlam E. G., Synthesis, characterization and solid oxide fuel cell application of ZrO<sub>2</sub> based solid electrolyte systems by sol-gel method, Doctorate, E.YILDIZ(Student), 2015

Sağlam E. G., SYNTHESIS AND STRUCTURAL ELUCIDATION OF THE SOME NOVEL THIO-PHOSPHORUS GROUP COMPLEXES, Postgraduate, A.EBİNÇ(Student), 2014

## Jury Memberships

Doctorate, Doctorate, Karabük Üniversitesi, August, 2024  
Doctorate, Doctorate, Ankara Üniversitesi, August, 2024  
Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Erciyes Üniversitesi, March, 2024  
Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Erciyes Üniversitesi, March, 2024  
Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Eskişehir Osmangazi Üniversitesi, March, 2024  
Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Kahramanmaraş Sütçü İmam Üniversitesi, December, 2023  
Doctorate, Doctorate, Marmara Üniversitesi, November, 2023  
Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Ankara Üniversitesi, October, 2023  
Appointment to Academic Staff-Professorship, Appointment to Academic Staff-Professorship, Çankırı Karatekin Üniversitesi, August, 2023  
Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, June, 2023  
Post Graduate, Post Graduate, Ankara Üniversitesi, June, 2023  
Appointment to Academic Staff - Associate Professorship, Appointment to Academic Staff - Associate Professorship, Karabük Üniversitesi, May, 2023  
Doctorate, Doctorate, Hitit Üniversitesi, March, 2023  
Post Graduate, Post Graduate, Marmara Üniversitesi, January, 2023  
Post Graduate, Post Graduate, Eskişehir Teknik Üniversitesi, January, 2022  
Post Graduate, Post Graduate, Hitit Üniversitesi, January, 2022  
Post Graduate, Post Graduate, Çankırı Karatekin Üniversitesi, September, 2021  
Doctorate, Doctorate, Ankara Üniversitesi, July, 2021  
Post Graduate, Post Graduate, Gebze Teknik Üniversitesi, July, 2021  
Doctoral Examination, Doctoral Examination, Marmara Üniversitesi, April, 2021  
Doctoral Examination, Doctoral Examination, Hitit Üniversitesi, January, 2021  
Doctorate, Doctorate, University of KwaZulu-Nata, Durban, South Africa, July, 2020  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Hitit Üniversitesi, March, 2020  
Doctoral Examination, Doctoral Examination, Hitit Üniversitesi, December, 2019  
Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Adıyaman Üniversitesi, November, 2019  
Post Graduate, Post Graduate, Hitit Üniversitesi, November, 2019  
Doctoral Examination, Doctoral Examination, Hitit Üniversitesi, May, 2019  
Post Graduate, Post Graduate, Erciyes Üniversitesi, April, 2019  
Academic Staff Examination, Academic Staff Examination, Yozgat Bozok Üniversitesi, January, 2019  
Post Graduate, Post Graduate, Hitit Üniversitesi, December, 2018  
Post Graduate, Post Graduate, Hitit Üniversitesi, December, 2018  
Post Graduate, Post Graduate, Ankara Üniversitesi, July, 2018  
Doctoral Examination, Doctoral Examination, Yozgat Bozok Üniversitesi, June, 2018  
Post Graduate, Post Graduate, Gebze Teknik Üniversitesi, June, 2018  
Doctorate, Doctorate, Erciyes Üniversitesi, June, 2018  
Post Graduate, Post Graduate, Hitit Üniversitesi, May, 2017  
PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Ankara Üniversitesi, December, 2016  
Post Graduate, Post Graduate, Yozgat Bozok Üniversitesi, November, 2014  
Administrative Staff Examination, Administrative Staff Examination, Yozgat Bozok Üniversitesi, December, 2012

## Journal articles indexed in SCI, SSCI, and AHCI

- I. **Synthesis, characterization and computational investigations of new alkyl[2,4-methoxyphenyl]phosphonodithioato]Ni(II) complexes and potential anticancer, antioxidant, and antimicrobial studies of their ligands**  
Bulat E., Acar N., Akkoç S., Sağlam E. G., Zeyrek C. T.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1335, no.142011, pp.1-10, 2025 (SCI-Expanded)
- II. **2,4-Bis(2,4-dimethoxyphenyl)-1,3-dithia-2,4-diphosphetane 2,4-disulfide and its derivatives: Syntheses, structural characterizations, anticancer activities, and theoretical studies on some dithiophosphonato Ni(II) complex**  
SAĞLAM E. G., Bulat E., Zeyrek C. T., AKKOÇ S., Zorlu Y., Yılmaz H.  
Journal of Molecular Structure, vol.1272, 2023 (SCI-Expanded)
- III. **Ni(II) complexes with 1,3,2,4-dithiadiphosphetane 2,4-disulfide-based ligands: Structural insights, theoretical studies, and anticancer activities**  
Bulat E., Sağlam E. G., Zeyrek C. T., Akkoç S., Zorlu Y., Dal H.  
APPLIED ORGANOMETALLIC CHEMISTRY, vol.36, no.10, 2022 (SCI-Expanded)
- IV. **New Heterobimetallic Ferrocenyl Dithiophosphonato Cd(II) and Hg(II) Complexes: DNA Interactions, Antimicrobial and Anticancer Activity Studies of the Cd(II) Complexes**  
Sağlam E. G., Akkoç S., Acar N., Dal H., Tutsak Ö., Açık L.  
CHEMISTRYSELECT, vol.6, pp.12496-12505, 2021 (SCI-Expanded)
- V. **New phenanthroline nickel(II) organodithio-phosphorus complexes: Syntheses, structural characterizations and in vitro cytotoxic activity studies**  
Sağlam E. G., Akkoç S., Zorlu Y., Bulat E., Akgün A.  
Polyhedron, vol.199, no.115097, pp.1-13, 2021 (SCI-Expanded)
- VI. **New heterobimetallic nickel(II) ferrocenyldithiophosphonato complexes: Syntheses, characterization, antiproliferative activity and X-ray, DFT, molecular docking studies on trans-bis-[O-3-methyl-1-butyl-(ferrocenyl) dithiophosphonato]nickel(II)**  
Sağlam E. G., Akkoç S., Zeyrek C. T., Dal H., Tutsak Ö.  
INORGANICA CHIMICA ACTA, vol.514, 2021 (SCI-Expanded)
- VII. **New {bis-pyridine-bis-[3-methyl-1-butoxy-(p-methoxyphenyl) phosphonodithioato]}nickel(II) complex: Synthesis, characterization, single crystal structure and theoretical studies**  
Sağlam E. G., Zeyrek C. T., Dal H., Unver H., Ebinc A.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1201, 2020 (SCI-Expanded)
- VIII. **Syntheses and structural characterization of new trans-bis-[n-butyl-(p-methoxyphenyl) dithiophosphinato] nickel(II), the pyridine derivative thereof, and bis-{bis-[n-butyl-(p-methoxyphenyl) dithiophosphinato]cobalt(II)} complexes**  
Sağlam E. G., Dal H., Mougang-Soume B., Hökelek T.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1202, 2020 (SCI-Expanded)
- IX. **Syntheses of and structural studies on some square planar dithiophosphonato Ni(II) complexes, octahedral pyridine derivatives thereof and X-ray crystallography, DFT and molecular docking studies of the latter**  
Sağlam E. G., Bulat E., Zeyrek C. T., Dal H., Hökelek T.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1178, pp.112-125, 2019 (SCI-Expanded)
- X. **Syntheses, characterization of and studies on the electrochemical behaviour of ferrocenyl dithiophosphonates and 4-methoxyphenyl dithiophosphonates**  
Sağlam E. G., Erden S., Tutsak O., Bayraktepe D. E., Durmus Z. Y., Dal H., Ebinc A.  
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.192, pp.322-329, 2017 (SCI-Expanded)
- XI. **Syntheses and structural characterizations of a new benzyl(4-methoxyphenyl)dithiophosphinic acid and its Ni(II), Co(II), Zn(II), Cd(II), and Ni-pyridine complexes**  
Sağlam E. G., Acar N., Mougang-Soume B., Dal H., Hökelek T.  
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.191, pp.22-29, 2016 (SCI-Expanded)

- XII. **Structural studies on some dithiophosphonato complexes of Ni(II), Cd(II), Hg(II) and theoretical studies on a dithiophosphonato Ni(II) complex using density functional theory**  
Saglam E. G., Ebinc A., Zeyrek C. T., Unver H., Hökelek T.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1099, pp.490-501, 2015 (SCI-Expanded)
- XIII. **Syntheses and structural characterization of new dithiophosphinato cadmium complexes**  
Saglam E. G., Acar N., Suzen Y., Mougang-Soume B., Hökelek T.  
JOURNAL OF CHEMICAL SCIENCES, vol.127, pp.1653-1663, 2015 (SCI-Expanded)
- XIV. **Syntheses and structural studies on some new dithiophosphinato complexes of nickel(II), cobalt(II) and mixed pyridino complexes thereof**  
Saglam E. G.  
INORGANICA CHIMICA ACTA, vol.434, pp.188-197, 2015 (SCI-Expanded)
- XV. **SYNTHESIS AND SPECTROSCOPIC CHARACTERIZATION OF NOVEL ARYL-DITHIOFLUOROPHOSPHONATE DERIVATIVES AND X-RAY STUDIES OF [(4-CH<sub>3</sub>OC<sub>6</sub>H<sub>4</sub>)(F)P(S)S-] [PH<sub>4</sub>P<sup>+</sup>]**  
Saglam E. G., Celik O., Yilmaz H., Acar N.  
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.187, pp.1339-1346, 2012 (SCI-Expanded)
- XVI. **SYNTHESIS AND SPECTROSCOPIC CHARACTERIZATIONS OF NOVEL Ni(II) AND Co(II) DITHIOPHOSPHINATE COMPLEXES, AND X-RAY STUDIES ON THE Ni(II) COMPLEX**  
Saglam E. G., Yilmaz H., Dal H., Hökelek T.  
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.187, pp.213-224, 2012 (SCI-Expanded)
- XVII. **Tetrakis[μ-4-(diethylamino)benzoato-kappa O-2:O']bis[(N,N-diethylnicotinamide-kappa N-1)cobalt(II)]**  
Hökelek T., Saglam E. G., Tercan B., Aybirdi O., Necefoglu H.  
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.67, 2011 (SCI-Expanded)
- XVIII. **Diaquabis[4-(dimethylamino)benzoato-kappa O]bis(nicotinamide-kappa N-1)zinc(II) dihydrate**  
Hökelek T., Saglam E. G., Tercan B., Aybirdi O., Necefoglu H.  
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.66, 2010 (SCI-Expanded)
- XIX. **Bis[μ-4-(methylamino)benzoato]-kappa O-3,O':O;kappa O-3:O,O'-bis{aqua[4-(methylamino)benzoato-kappa O-2,O']}(nicotinamide-kappa N)cadmium(II)}**  
Hökelek T., Saglam E. G., Tercan B., Aybirdi O., Necefoglu H.  
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.66, 2010 (SCI-Expanded)
- XX. **Synthesis, spectroscopic characterization and X-ray single crystal structures of trans-bis[4-methoxyphenyl (3-methylbutyl) dithiophosphinato] nickel(II) and bis [4-methoxyphenyl (3-methylbutyl) dithiophosphinato]cobalt(II) complexes**  
Saglam E. G., Celik O., Yilmaz H., İde S.  
TRANSITION METAL CHEMISTRY, vol.35, pp.399-405, 2010 (SCI-Expanded)
- XXI. **Reaction of some furan-2,3-diones with various 1,2-phenylenediamines**  
Sarıpınar E., Sağlam E. G., Öncel I., Özer I., Gökteş I. L., Kök T. R., Akçamur Y.  
Heterocycles, vol.65, pp.2161-2167, 2005 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Synthesis and Characterization of a New PhenanthrolineContaining Dithiophosphonato Nickel Complex**  
Varlı A. Z., Bulat D., Sağlam E. G.  
Journal of Ata-Chemistry, vol.4, no.1, pp.20-25, 2024 (Peer-Reviewed Journal)
- II. **Synthesis and Structure Characterization of a New Palladium Dithiophosphinato Complex**  
Albaş A., Bulat E., Sağlam E. G.  
Journal of Ata-Chemistry, vol.4, no.1, pp.12-19, 2024 (Peer-Reviewed Journal)
- III. **Synthesis and Structural Characterization of Homo Dinuclear Phosphorus 1,1-Dithiolate Cd(II)**

## Complexes

Sağlam E. G., Bulat E., Saçmacı M., Yıldız S.

Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.11, pp.759-774, 2023 (Peer-Reviewed Journal)

- IV. **Synthesis and Characterization of New Ferrocenyl and 3-methoxytolyl Dithiophosphonates**  
Sağlam E. G., Bulat E., Yıldırım A.  
Hittite Journal of Science and Engineering, vol.9, no.3, pp.183-191, 2022 (Peer-Reviewed Journal)
- V. **Studies on the vibrational frequencies and molecular electrostatic potential surfaces of the trans-bis-[O-3-methyl-1-butyl-(ferrocenyl)dithiophosphonato]nickel(II) complex**  
Zeyrek C. T., Sağlam E. G., Aydın S.  
JOURNAL OF ATA-CHEM, vol.1, no.1, pp.24-32, 2021 (Peer-Reviewed Journal)
- VI. **The syntheses and characterization of new dithiophosphonates derived from novel 2,4-bis(Methoxytolyl)-1,3-dithia-2,4-diphosphetane 2,4-disulfides and their ni(II) complexes**  
SAĞLAM E. G., Bulat E., Yılmaz H.  
Journal of the Turkish Chemical Society, Section A: Chemistry, vol.7, no.3, pp.789-800, 2020 (Scopus)
- VII. **New homodinuclear alkyl-and aryl-dithiophosphonato cd(II) and hg(II) complexes: Syntheses and characterizations**  
Sağlam E. G., Bulat E., Acar N., Demirel İ.  
Journal of the Turkish Chemical Society, Section A: Chemistry, vol.7, pp.49-64, 2019 (Scopus)
- VIII. **Syntheses and spectroscopic characterization on new [O-3-phenyl-1-propyl-(4-methoxyphenyl)dithiophosphonato] Ni(II), Cd(II) and Hg(II) complexes**  
Sağlam E. G., Ebinç A.  
Journal of the Turkish Chemical Society, Section A: Chemistry, vol.5, pp.1239-1248, 2018 (Scopus)
- IX. **Syntheses and characterization of new dithiophosphinato zinc complexes**  
Sağlam E. G., Acar N.  
Journal of the Turkish Chemical Society, Section A: Chemistry, vol.5, pp.931-940, 2018 (Scopus)
- X. **Synthesis and Determination of Crystal and Molecular Structure of Bispyridine bis 4 methoxyphenyl 3 methylbutyl dithiophosphinato nickel II**  
Sağlam E. G., Çelik Ö., İde S., Yılmaz H.  
X-ray Structure Analysis Online, vol.27, pp.23-24, 2011 (Scopus)

## Papers Presented at Peer-Reviewed Scientific Conferences

- I. **Çift Metal Merkezli Zn(II) ve Cd(II) Ditiyofosfonik Asit Komplekslerinin Sentez ve Karakterizasyonu**  
Bulat E., Sağlam E. G., Acar N.  
35. Ulusal Kimya Kongresi, Diyarbakır, Turkey, 9 - 12 September 2024, vol.1, pp.377, (Summary Text)
- II. **Tiyo-Fosfor Grubu Türevleri Termal Özelliklerinin Araştırılması**  
Sağlam E. G., Taşdemir M.  
35. Ulusal Kimya Kongresi, Diyarbakır, Turkey, 9 - 12 September 2024, vol.1, pp.375, (Summary Text)
- III. **Aromatik İçerikli Pertiyofofonik Asit Anhidrit Türevlerinin Sentezi ve Yapılarının Aydınlatılması**  
Şahin N. N., Bulat E., Sağlam E. G.  
35. Ulusal Kimya Kongresi, Diyarbakır, Turkey, 9 - 12 September 2024, vol.1, pp.381, (Summary Text)
- IV. **Çift Metal Merkezli Yeni Ditiyofosfonato Zn(II) Kompleksinin Sentez ve Yapısal Karakterizasyonu**  
Sağlam E. G., Teke H. S.  
35. Ulusal Kimya Kongresi, Diyarbakır, Turkey, 9 - 12 September 2024, vol.1, pp.376, (Summary Text)
- V. **Azot İçerikli Yeni Ditiyofosfonato Ni(II) Kompleksi Sentezi ve Yapısının Aydınlatılması**  
Bodur Y., Sağlam E. G.  
35. Ulusal Kimya Kongresi, Diyarbakır, Turkey, 9 - 12 September 2024, vol.1, pp.374, (Summary Text)
- VI. **Oktahedral 2,2-Bipiridin Ditiyofosfonato Ni(II) Komplekslerinin Sentezi, Yapısal Karakterizasyonu ve Tek Kristal X-Işını Yapı Aydınlatılması**  
Şahin N. N., Bulat E., Sağlam E. G.

35. Ulusal Kimya Kongresi, Diyarbakır, Turkey, 9 September - 12 December 2024, vol.1, pp.382, (Summary Text)
- VII. **Yeni Kadmiyum Ditiyofosfonato Koordinasyon Bileşiğinin Sentezi ve Yapısının Aydınlatılması**  
Sağlam E. G., Aydın M.  
35. Ulusal Kimya Kongresi, Diyarbakır, Turkey, 9 - 12 September 2024, vol.1, pp.407, (Summary Text)
- VIII. **Altı Koordinasyonlu [Alkil-(3-Metoksitolil)]Nikel(II) Komplekslerinin Sentez ve Yapı Aydınlatılması**  
Sağlam E. G., Özyurt Yağcı İ., Bulat E.  
IX. Ulusal Anorganik Kimya Kongresi, Ankara, Turkey, 16 - 19 May 2024, vol.1, pp.266, (Summary Text)
- IX. **Alkil [(2,4-Dimetoksifenil)] Ditiyofosfonik Asit Ligand ve Nikel(II) Komplekslerinin Sentez ve Yapı Karakterizasyonu**  
Sağlam E. G., Bulat E., Acar N.  
IX. Ulusal Anorganik Kimya Kongresi, Ankara, Turkey, 16 - 19 May 2024, vol.1, pp.291, (Summary Text)
- X. **Halkalı Piniktojen Kalkojen İçerikli Bileşiklerinden Metal Komplekslerinin Sentez Ve Karakterizasyonu**  
Sağlam E. G., Saçmacı M., Bulat E.  
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- XI. **Syntheses, Characterizations and Anticancer Studies of Ni(II) and Cd(II) Heterobimetallic Ferrocenyldithiophosphonato Complexes**  
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- XIII. **Synthesis and characterization of New Dithiophosphonate Ligands**  
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- XIV. **Synthesis and Characterization of Novel Dithiophosphonate and Ni(II) Complexes From Novel 2,4-bis(3-methoxytolyl)-1,3-dithia-2,4-diphosphetane 2,4-disulfide**  
Sağlam E. G., Bulat E., Dal H.  
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- XV. **Synthesis and Structural Characterization of New Dithiophosphonate and Nickel Complexes Containing Veratrol**  
Sağlam E. G., Bulat E.  
33. Ulusal Kimya Kongresi, Tekirdağ, Turkey, 7 - 09 October 2021, vol.1, pp.188, (Summary Text)
- XVI. **SYNTHESIS AND CHARACTERIZATION OF NEW 2,4-bis(1,2-DIMETOXYPHENYL)-1,3-DITHIA-2,4-DIPHOSPHETHANE 2,4-DISULFIDE DERIVATIVES**  
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VIII. ULUSAL ANORGANİK KİMYA KONGRESİ, Tekirdağ, Turkey, 2 - 05 September 2021, vol.1, pp.89, (Summary Text)
- XVII. **THE SYNTHESIS OF THE NEW 2-METOXYPHENYTHIOPHOSPHORIC RINGED DI(THIOANHYDRITE) DERIVATIVES AND ELIMINATION OF THEIR STRUCTURE**  
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- XVIII. **Synthesis and Yield Calculations Some Diethyl-A-Phenylamino Phosphonate Derivates**  
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- XIX. **New phenanthroline nickel(II) organodithio-phosphorus complexes: syntheses, structural characterizations and in vitro cytotoxic activity studies**



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- XX. **New heterobimetallic nickel(II) ferrocenyldithiophosphonato complexes: Syntheses, structural characterization, antiproliferative activity and X-ray, DFT, molecular docking studies on trans-bis-[O-3-methyl-1-butyl-(ferrocenyl)dithiophosphonato]nickel(II)**  
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- XXII. **New {bis-pyridine-bis-[3-methyl-1-butoxy-(p-methoxyphenyl)phosphonodithioato]}nickel(II) Complex: Synthesis, Characterization, Single Crystal Structure and Theoretical Studies**  
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- XXV. **A Modified Route for The Syntheses of Dithiophosphinic Acid Ni(II) Complex and Identification of The Product**  
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- XXVI. **Synthesis and Spectroscopic Investigation on Ferrocenyldithiophosphonato Cd(II) and Hg(II) Complexes**  
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- XXVII. **YENİ Cd(II) ve Hg(II) FERROSENİLDİTİYOFOSFONAT KOMPLEKSLERİNİN SENTEZİ ve YAPISAL KARAKTERİZASYONU**  
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- XXVIII. **The Synthesis and Structural Characterization of The New Dithiophosphinic Acid Ni(II) Complex**  
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- XXIX. **SYNTHESES AND SPECTROSCOPIC CHARACTERIZATIONS ON NEW DITHIOPHOSPHONATO COMPLEXES OF Ni II Cd II Hg II AND Ni PYRIDINE COMPLEXES**  
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28. Ulusal Kimya Kongresi Mersin, Mersin, Turkey, 15 - 21 August 2016, vol.1, pp.105, (Summary Text)
- XXX. **Bazı Ditiyofosfinik Asitlerin Yeni Çinko Komplekslerinin Sentezi ve Yapılarının Aydınlatılması**  
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27. Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 - 28 August 2015, vol.1, pp.370, (Summary Text)
- XXXI. **Yeni Kadmiyum Ditiyofosfinato Komplekslerinin Sentezi ve Yapılarının Aydınlatılması**

- SAĞLAM E. G., ACAR N., SÜZEN Y., MOUGANG SOUME B., HÖKELEK T.  
XIV. Ulusal Spektroskopi Kongresi, Elazığ, Turkey, 29 - 31 May 2015, vol.1, (Summary Text)
- XXXII. **Ferrosen Türevli Ditiyofosfonat Tuzlarının Sentezi ve Yapılarının Aydınlatılması**  
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- XXXIII. **Piridino Ditiyofosfinik Asit Kobalt Komplekslerinin Sentezi**  
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V.Ulusal Anorganik Kimya Kongresi, Mersin, Turkey, 22 - 25 April 2015, vol.1, (Summary Text)
- XXXIV. **Investigation On New Ni II And Co II Dithiophosphinate Complexes**  
DAL H., SAĞLAM E. G., YILMAZ H., HÖKELEK T.  
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- XXXV. **Asimetrik Ditiyofosfinik Asit Komplekslerinin Sentezi**  
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IV.Ulusal Anorganik Kimya Kongresi, Tokat, Turkey, 30 May - 02 June 2013, vol.1, (Summary Text)
- XXXVI. **Synthesis and Spectroscopic Characterization of Novel Aryl Dithiofluorophosphonate Derivatives and X Ray Studies of 4 CH<sub>3</sub>OC<sub>6</sub>H<sub>4</sub> F P S S PH<sub>4</sub>P**  
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- XXXVII. **Arilditiyoflorofosfinat Türevlerinin Sentezi**  
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- XXXVIII. **Studies of Synthesis spectroscopic characterization and X ray single crystal structures of trans Bis 4 methoxyphenyl 3 methylbutyl dithiophosphinato nickel II and cobalt II complexes**  
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- XXXIX. **Amonyum 3 metilbutil 4 metoksifenil ditiyofosfinat nikel ve kobalt komplekslerinin Sentezi molekül yapılarının incelenmesi**  
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- XL. **Structure Investigations of some of Ni II complexes with dithiophosphonato ligands**  
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- XLI. **Bazı Ditiyofosfinik Asitlerin ve Ni II Komplekslerinin Hazırlanması Spektroskopik Metotlarla Yapılarının Aydınlatılması**  
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- XLII. **Bazı Ditiyofosfinatların Platin Elektrot ile Elektrokimyasal Davranışlarının İncelenmesi**  
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- XLIII. **Crystallographic studies on dithiophosphonato complexes of different coordinated Ni II experimental difficulties and SR advantages on small molecule crystallography**  
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35th Course: A Multidisciplinary Approach to Polymorphs, Solvates and Phase Relationships, Erice, Italy, 9 June - 20 October 2004, vol.1, (Summary Text)
- XLV. **Bis [3-metilbütül-4 metoksifenilditiyofosfonato Ni(II)], C<sub>24</sub>H<sub>36</sub>NiO<sub>2</sub>P<sub>2</sub>S<sub>4</sub> ve [Bispiridin (bis-3-metilbütül-4-metoksifenil ditiyofosfonato Ni(II)I] bileşiklerinin sentezi ve X ışını kırınımı yöntemi ile molekül ve kristal yapıların belirlenmesi**

## Funded Projects

Sağlam E. G., Şahin N. N., Bulat E., Project Supported by Higher Education Institutions, Synthesis and Structure elucidation of Aromatic Containing Perthiophosphonic Acid Anhydride Derivatives, 2024 - 2025

Sağlam E. G., Aydın M., TUBITAK Project, Synthesis and Structural Elucidation of a New Cadmium Dithiophosphonato Coordination Compound (2209 A), 2024 - 2025

Sağlam E. G., Teke H. S., TUBITAK Project, Synthesis and Structural Characterization of a New Dithiophosphonato Zn(II) Complex with a Heterodinuclear Center, 2024 - 2025

Sağlam E. G., Söyler Ş., TUBITAK Project, Synthesis and Structure Elucidation of a New Organometallic Ferrocenyl Dithiophosphonato Ni(II) Phenanthroline Complex with Ionic Structure (2209), 2024 - 2025

Sağlam E. G., Bodur Y., TUBITAK Project, Synthesis and Structure Elucidation of a New Nitrogen-Containing Dithiophosphonato Ni(II) Complex (2209), 2024 - 2025

Sağlam E. G., Acar N., Bulat E., Project Supported by Higher Education Institutions, Synthesis and Structure elucidation of Organo-dithiophosphorus Derivatives, 2023 - 2025

Sağlam E. G., Bulat E., Yağcı Özyurt İ., Project Supported by Higher Education Institutions, Aril Pertiyofofonik Asit Anhidrit Bileşiklerinin Sentez ve Karakterizasyonu, 2023 - 2024

Sağlam E. G., Saçmacı M., Project Supported by Higher Education Institutions, Synthesis and Characterization of Metal Complexes from Compounds with Ringed Pinictogen Chalcogen Content, 2022 - 2024

Sağlam E. G., Albaş A., TUBITAK Project, New Palladium Dithiophosphinato Complex Synthesis and Elucidation of its Structure (2209A), 2022 - 2023

Sağlam E. G., Taşdemir M., TUBITAK Project, Investigation of Thermal Properties of Thio-phosphorus Group Derivatives (2209A), 2022 - 2023

Sağlam E. G., Gülen E., TUBITAK Project, Synthesis and Structural Elucidation of a New alkyl/aryl Phosphino Dithiophosphonato Nickel Complex (2209A), 2022 - 2023

Sağlam E. G., Aldemir İ., TUBITAK Project, Clarifying the Synthesis and Structure of a New Boron-containing Dithiophosphonato Nickel Complex (2209A), 2022 - 2023

Sağlam E. G., Varlı A. Z., TUBITAK Project, Synthesis and Characterization of a New Phenanthroline Containing Dithiophosphonato Nickel Complex (2209A), 2022 - 2023

Sağlam E. G., Saçmacı M., Erkan T., Project Supported by Higher Education Institutions, Synthesis and Characterization of Anisole Containing Cyclic Phosphorus Sulfur Compounds, 2022 - 2023

Sağlam E. G., Bulat E., Project Supported by Higher Education Institutions, SYNTHESIS AND STRUCTURAL CHARACTERIZATION OF NEW DITHIOPHOSPHONIC ACID, DERIVATIVE AND COMPLEX FROM 2,4-DIORGANIL-1,3,2,4-DITIADIFOSFETAN-2,4-DISULFUR (Marmara Univ.; 2,4-dimethoxyphenyl Derivatives) , 2021 - 2023

Sağlam E. G., Dal H., Bulat E., Project Supported by Higher Education Institutions, SYNTHESIS AND STRUCTURAL CHARACTERIZATION OF NEW DITHIOPHOSPHONIC ACID, DERIVATIVE AND COMPLEX FROM 2,4-DIORGANIL-1,3,2,4-DITIADIFOSFETAN-2,4-DISULFUR (YOBÜ; 3,4-dimethoxyphenyl Derivatives) , 2020 - 2022

Sağlam E. G., Project Supported by Higher Education Institutions, SYNTHESIS OF NEW PERTHIOPHOSPHONIC ACID ANHYDRIDES AND STRUCTURAL DETERMINATION THEREOF, 2020 - 2021

Sağlam E. G., Akgün A., Project Supported by Higher Education Institutions, SYNTHESIS AND SPECTROSCOPIC CHARACTERIZATION ON PHENANTHROLINE-CONTAINING NICKEL COMPLEXES ORGANODITHIO-PHOSPHORUS, 2019 - 2020

Sağlam E. G., Demirel İ., Project Supported by Higher Education Institutions, SYNTHESIS AND STRUCTURAL CHARACTERIZATION OF CADMIUM AND MERCURY DITHIOPHOSPHONATE COMPLEXES, 2018 - 2019

Sağlam E. G., Bulat E., Dal H., Project Supported by Higher Education Institutions, Synthesis and Structural Characterization of Sulfur-Phosphorus Group Complexes, 2017 - 2018

Sağlam E. G., Dal H., Project Supported by Higher Education Institutions, Synthesis of Some Dithiophosphinic Acid Complexes and Investigation of Anticancer Properties, 2016 - 2017

Sağlam E. G., Dal H., TUBITAK Project, SYNTHESIS AND STRUCTURAL INVESTIGATION OF ADDITION REACTION'S YIELDS OF SOME PERTHIOPHOSPHONIC ACID ANHYDRIDES, 2014 - 2016

Sağlam E. G., Project Supported by Higher Education Institutions, Synthesis of addition reaction products of some perthiophosphonic acid anhydrides and elucidation of their structures, 2014 - 2016

Sağlam E. G., Acar N., Project Supported by Higher Education Institutions, SYNTHESSES AND STRUCTURAL CHARACTERIZATION OF NEW CADMIUM DITHIOPHOSPHINATO COMPLEXES, 2015 - 2015

Türkoğlu O., Yıldız E., Sağlam E. G., Project Supported by Higher Education Institutions, Synthesis, characterization and solid oxide fuel cell application of ZrO<sub>2</sub> based solid electrolyte systems by sol-gel method, 2013 - 2015

Sağlam E. G., Project Supported by Higher Education Institutions, SYNTHESSES AND INVESTIGATIONS ON THE STRUCTURES OF THE DERIVATES OF SOME DITHIOPHOSPHINIC ACIDS, 2013 - 2015

Sağlam E. G., Project Supported by Higher Education Institutions, SYNTHESIS AND STRUCTURAL ELUCIDATION OF THE SOME NOVEL THIO-PHOSPHORUS GROUP COMPLEXES , 2013 - 2014

Yılmaz H., Sağlam E. G., TUBITAK Project, Synthesis of and Investigations on The Structures of The Derivates of Dithiophosphinic Acids , 2010 - 2011

## Activities in Scientific Journals

Journal of Ata-Chem , Publication Committee Member, 2021 - Continues

Science Journal of Chemistry, Editor, 2020 - Continues

JOURNAL OF MOLECULAR STRUCTURE, Special Issue Editor, 2019 - 2020

## Memberships and Roles in Scientific Organizations

Turkish Chemical Society, Member, 2019 - Continues, Turkey

## Peer Reviews in Scientific Publications

TRANSITION METAL CHEMISTRY, SCI Journal, April 2025

SCIENTIFIC REPORTS, SCI Journal, March 2025

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### **Scientific Project Refereeing**

Project Supported by Higher Education Institutions, BAP Research Project, November 2024  
Project Supported by Higher Education Institutions, BAP Research Project, November 2024  
Project Supported by Higher Education Institutions, BAP Research Project, October 2024  
TUBITAK Project, 1011 - International Scientific Research Projects Participation Program (UBAP), May 2024  
TUBITAK Project, 2237 - Program for Supporting Project Training Activities, April 2024  
Project Supported by Higher Education Institutions, BAP PhD, December 2023  
Project Supported by Higher Education Institutions, BAP PhD, December 2023  
Project Supported by Higher Education Institutions, BAP MSc, October 2023

Project Supported by Higher Education Institutions, BAP Research Project, September 2023  
Project Supported by Higher Education Institutions, BAP Research Project, July 2023  
Project Supported by Higher Education Institutions, BAP Other, July 2023  
Project Supported by Higher Education Institutions, BAP Research Project, March 2023  
Project Supported by Higher Education Institutions, BAP Research Project, January 2023  
Project Supported by Higher Education Institutions, BAP Research Project, January 2023  
Project Supported by Higher Education Institutions, BAP Research Project, November 2022  
TUBITAK Project, 2218 - Yurt İçi Doktora Sonrası Araştırma Burs Programı, August 2022  
Project Supported by Higher Education Institutions, BAP Other, August 2022  
TUBITAK Project, 2218 - Yurt İçi Doktora Sonrası Araştırma Burs Programı, August 2022  
Project Supported by Higher Education Institutions, BAP Research Project, June 2022  
TUBITAK Project, 1011 - International Scientific Research Projects Participation Program (UBAP), May 2022  
Project Supported by Higher Education Institutions, BAP MSc, March 2022  
Project Supported by Higher Education Institutions, BAP Research Project, March 2022  
Project Supported by Higher Education Institutions, BAP Research Project, December 2021  
Project Supported by Higher Education Institutions, BAP MSc, November 2021  
Project Supported by Higher Education Institutions, BAP Research Project, April 2021  
Project Supported by Higher Education Institutions, BAP Research Project, December 2020  
TUBITAK Project, 1002 - Quick Support Program, October 2020  
Project Supported by Higher Education Institutions, BAP Research Project, June 2020  
Project Supported by Higher Education Institutions, BAP Research Project, October 2019  
Project Supported by Higher Education Institutions, BAP Research Project, March 2019  
Project Supported by Higher Education Institutions, BAP Research Project, March 2019  
TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, November 2018  
Project Supported by Higher Education Institutions, BAP Research Project, December 2017  
Project Supported by Higher Education Institutions, BAP Research Project, September 2017  
Project Supported by Higher Education Institutions, BAP Research Project, December 2016  
Project Supported by Higher Education Institutions, BAP Research Project, April 2016  
Project Supported by Higher Education Institutions, BAP Research Project, May 2015  
Project Supported by Higher Education Institutions, BAP Research Project, April 2015  
Project Supported by Higher Education Institutions, BAP Research Project, April 2015  
Project Supported by Higher Education Institutions, BAP Research Project, March 2014  
Project Supported by Higher Education Institutions, BAP Research Project, November 2013

## **Roles in Event Organizations**

Sağlam E. G., 35. Ulusal Kimya Kongresi, Scientific Congress, Diyarbakır, Turkey, Eylül 2024  
Sağlam E. G., IX. Ulusal Anorganik Kimya Kongresi, Scientific Congress, Ankara, Turkey, Mayıs 2024  
Sağlam E. G., 33 rd National Chemistry Congress, Scientific Congress, Tekirdağ, Turkey, Ekim 2021  
Sağlam E. G., International Chemistry Biology Conference'18, Sharm El-Sheikh, Scientific Congress, Egypt, Temmuz 2018  
Sağlam E. G., International Chemistry Biology Conference'18, Scientific Congress, Egypt, Temmuz 2018  
Karlberg B., Sağlam E. G., Kumar S., El-Khouly M., Khan N. U. H., International Congress on Chemistry and Materials Science, Scientific Congress, Ankara, Turkey, Ekim 2017  
Ali El-Shafei A. E., Viksna, A., Tiwari A., Sağlam E. G., Radwan, F. A. A., Zeng H. C., ANCON 2017-International Congress on Chemistry and Materials Science (5-7 October 2017), Scientific Congress, Ankara, Turkey, Ekim 2017

## **Metrics**

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H-Index (WoS): 5

H-Index (Scopus): 6

## **Congress and Symposium Activities**

35. Ulusal Kimya Kongresi, Session Moderator, Diyarbakır, Turkey, 2024

IX. Ulusal Anorganik Kimya Kongresi, Session Moderator, Ankara, Turkey, 2024

IX.Ulusal Anorganik Kimya Kongresi, Session Moderator, Ankara, Turkey, 2024

VIII. National Inorganic Chemistry Congress (11. SESSION), Session Moderator, Tekirdağ, Turkey, 2021

INTERNATIONAL CONGRESS ON CHEMISTRY AND MATERIALS SCIENCE (Session 18 : Computational & Theoretical Chemistry), Session Moderator, Ankara, Turkey, 2017

INTERNATIONAL CONGRESS ON CHEMISTRY AND MATERIALS SCIENCE (Session 19 : Food Chemistry), Session Moderator, Ankara, Turkey, 2017

## **Non Academic Experience**

Other, Union of Turkish World Municipalities, General Secretary

PENYAPSAN A.Ş. ve PENTAŞ A.Ş., Yönetim kurulu üyesi

Other, International Istanbul Sabiha Gökçen Airport, Fuel Supply Facility Responsible Manager

Other, IPM Toner Factory, Quality Control Chief