

## Prof. Dr. KORAY SAYIN

### Kişisel Bilgiler

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Publons / Web Of Science ResearcherID: V-3704-2017

Yoksis Araştırmacı ID: 25762

### Eğitim Bilgileri

Doktora, Sivas Cumhuriyet Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (Dr), Türkiye 2014 - 2017

Yüksek Lisans, Sivas Cumhuriyet Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), Türkiye 2012 - 2014

Lisans, Çukurova Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, Türkiye 2005 - 2009

### Yaptığı Tezler

Doktora, Hesaplamalı kimya yöntemleriyle bazı bor komplekslerinin yapısal ve elektronik özelliklerinin incelenmesi, Sivas Cumhuriyet Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (Dr), 2017

Yüksek Lisans, Hesaplamalı kimya yöntemleri ile bazı platin(II) oksim komplekslerinin moleküler yapısının ve moleküler özelliklerinin araştırılması, Sivas Cumhuriyet Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 2014

### Araştırma Alanları

İnorganik Kimya

### Akademik Unvanlar / Görevler

Doç. Dr., Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2018 - Devam Ediyor

Dr. Öğr. Üyesi, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2018 - 2018

Araştırma Görevlisi, Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2017 - 2018

Araştırma Görevlisi, Sivas Cumhuriyet Üniversitesi, Fen Bilimleri Enstitüsü, 2011 - 2017

### Akademik İdari Deneyim

Sivas Cumhuriyet Üniversitesi, Yeni Ve Yenilenebilir Enerji Kaynakları Uygulama Ve Araştırma Merkezi, 2019 - Devam Ediyor

Sivas Cumhuriyet Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2018 - Devam Ediyor

### Verdiği Dersler

Organometalik Kimya, Lisans, 2019 - 2020  
Kimya, Lisans, 2019 - 2020  
Seminer Dersi, Yüksek Lisans, 2019 - 2020  
Genel Kimya, Lisans, 2019 - 2020  
Hesaplamalı Kimya Yöntemleri ve Uygulamaları II, Yüksek Lisans, 2018 - 2019  
Genel Kimya II, Lisans, 2018 - 2019  
Genel Kimya, Lisans, 2019 - 2020  
Koordinasyon Kimyası, Yüksek Lisans, 2019 - 2020  
Genel Kimya Laboratuvarı I, Lisans, 2019 - 2020  
Genel Kimya I, Lisans, 2019 - 2020  
Genel Kimya, Ön Lisans, 2019 - 2020  
Hesaplamalı Kimya Yöntemleri ve Uygulamaları I, Yüksek Lisans, 2019 - 2020  
GENEL KİMYA 2, Lisans, 2017 - 2018  
GENEL KİMYA, Lisans, 2017 - 2018

### SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Synthesis of novel isostere analogues of naphthyridines using CuI catalyst: DFT computations (FMO, MEP), molecular docking and ADME analysis**  
Prabha K., Rajendran S., Gnanamangai B. M., Mohan J B., SAYIN K., Prasad K. R., Tüzün G.  
Tetrahedron, cilt.168, 2024 (SCI-Expanded)
- II. **A biochemistry-oriented drug design: synthesis, anticancer activity, enzymes inhibition, molecular docking studies of novel 1,2,4-triazole derivatives**  
Yuriy K., Kusdemir G., Volodymyr P., TÜZÜN B., Taslimi P., Karatas O. F., Anastasia K., Maryna P., SAYIN K.  
Journal of Biomolecular Structure and Dynamics, cilt.42, sa.3, ss.1220-1236, 2024 (SCI-Expanded)
- III. **Enhanced Method for the Synthesis and Comprehensive Characterization of 1-(4-Phenylquinolin-2-yl)propan-1-one**  
Rajendran S., Montecinos R., Cisterna J., Prabha K., Rajendra Prasad K. J., Palakurthi S. S., Aljabali A. A. A., Naikoo G. A., Mishra V., Acevedo R., et al.  
ACS Omega, cilt.8, sa.46, ss.43573-43585, 2023 (SCI-Expanded)
- IV. **New azo-azomethine based copper(II) and zinc(II) complexes: Synthesis, electrochemistry, photoluminescence properties, density functional theory calculations and molecular docking**  
Purtaş F., SAYIN K., Ceyhan G., Kose M., Kurtoglu M.  
Journal of Molecular Structure, cilt.1291, 2023 (SCI-Expanded)
- V. **Optimization, spectral characterization, QSAR, and molecular docking analyses of newly designed boron compounds**  
Çetiner E., SAYIN K., ÜNAL Y.  
Structural Chemistry, cilt.34, sa.5, ss.1731-1742, 2023 (SCI-Expanded)
- VI. **Synthesis, nanostructuring and in silico studies of a new imine bond containing a macroheterocycle as a promising PBP-2a non-β-lactam inhibitor**  
Huseynzada A., Aghayev M., Hajiyeva S., Israyilova A., SAYIN K., Gasimov E., Rzayev F., Hasanova U., Eyvazova G., Abbasov V., et al.  
Journal of Materials Chemistry B, cilt.11, sa.34, ss.8271-8280, 2023 (SCI-Expanded)
- VII. **[Cu<sub>2</sub>(ox)(dien)<sub>2</sub>](NO<sub>3</sub>)<sub>3</sub>, a precursor for preparation of CuO nanoparticles: Synthesis, structural, Hirshfeld surface analyses, and physico-chemical investigations**  
Akouibaa M., Lakkab I., Direm A., Lachkar M., Ouarsal R., Rakib S., Nasif V., SAYIN K., Morley N., Bali B. E.  
Journal of Molecular Structure, cilt.1282, 2023 (SCI-Expanded)
- VIII. **Improved carbon steel corrosion characteristics in static and hydrodynamic HCl media by two novel N2O2 ligands: Experimental and theoretical studies**  
Karimi S., Rezaeivala M., Mokhtare M., Tuzun G., SAYIN K.

Journal of the Taiwan Institute of Chemical Engineers, cilt.147, 2023 (SCI-Expanded)

- IX. **Eaton's reagent is an alternative of PPA: Solvent free synthesis, molecular docking and ADME studies of new angular and linear carbazole based naphtho naphthyridines**  
Prabha K., Satheeshkumar R., Aathi M. S., Chandrasekar C., Sukantha T. A., Gnanamangai B. M., Acevedo R., SAYIN K., Prasad K. J. R.  
Tetrahedron, cilt.135, 2023 (SCI-Expanded)
- X. **Corrosion inhibition of Carbon Steel using a new morpholine-based ligand during acid pickling: Experimental and theoretical studies**  
Rezaeivala M., Bozorg M., Rafiee N., SAYIN K., TÜZÜN B.  
Inorganic Chemistry Communications, cilt.148, 2023 (SCI-Expanded)
- XI. **Crystal structure, Hirshfeld surface analysis, computational and antifungal studies of dihydropyrimidines on the basis of salicylaldehyde derivatives**  
Huseynzada A., Jelsch C., Akhundzada H. V., Soudani S., Ben Nasr C., SAYIN K., DEMİRALP M., Hasanova U., Eyvazova G., Gakhramanova Z., et al.  
JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, cilt.20, sa.1, ss.109-123, 2023 (SCI-Expanded)
- XII. **Crystal Structure, Hirshfeld Surface Analysis, In-Silico and Antimycotic Investigations of Methyl 6-methyl-4-(4-nitrophenyl)-2-oxo-1,2-dihydropyrimidine-5-carboxylate**  
Huseynzada A., Mori M., Meneghetti F., Israyilova A., Guney E., SAYIN K., Chiarelli L. R., DEMİRALP M., Hasanova U., Abbasov V.  
Crystals, cilt.13, sa.1, 2023 (SCI-Expanded)
- XIII. **Spectroscopic (FT-IR, NMR, single crystal XRD) and DFT studies including FMO, Mulliken charges, and Hirshfeld surface analysis, molecular docking and ADME analyses of 2-amino-4'-fluorobenzophenone (FAB)**  
Satheeshkumar R., Prabha K., Vennila K. N., SAYIN K., Güney E., Kaminsky W., Acevedo R.  
Journal of Molecular Structure, cilt.1267, 2022 (SCI-Expanded)
- XIV. **Synthesis, crystal structure, Hirshfeld surface, computational and antibacterial studies of a 9-phenanthrenecarboxaldehyde-based thiodihydropyrimidine derivative**  
Huseynzada A., Mori M., Meneghetti F., Israyilova A., Tuzun G., SAYIN K., Chiarelli L. R., Mutlu C., DEMİRALP M., Hasanova U., et al.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1267, 2022 (SCI-Expanded)
- XV. **Synthesis, in silico and investigation of anti-breast cancer activity of new diphenyl urea derivatives: Experimental and computational study**  
GÖMEÇ M., SAYIN K., ÖZKARACA M., ÖZDEN H.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1265, 2022 (SCI-Expanded)
- XVI. **Synthesis, computational analyses, antibacterial and antibiofilm properties of nicotinamide derivatives**  
Taşkın Kafa A. H., Tuzun G., Guney E., Aslan R., Sayın K., Tüzün B., Ataseven H.  
STRUCTURAL CHEMISTRY, cilt.33, ss.1189-1197, 2022 (SCI-Expanded)
- XVII. **Experimental and computational investigation of 3,5-di-tert-butyl-2-(((3-((2-morpholinoethyl)(pyridin-2-ylmethyl) amino) propyl)imino) methyl)phenol and related reduced form as an inhibitor for C-steel**  
Karimi S., Rezaeivala M., SAYIN K., TÜZÜN B.  
MATERIALS CHEMISTRY AND PHYSICS, cilt.287, 2022 (SCI-Expanded)
- XVIII. **Revealing the new structure of B8N8 nanocage and comparison of hydrogen storage capacity**  
Nasif V., SAYIN K.  
CHEMICAL PHYSICS, cilt.559, 2022 (SCI-Expanded)
- XIX. **Experimental and theoretical investigation of corrosion inhibition effect of two piperazine-based ligands on carbon steel in acidic media**  
Rezaeivala M., Karimi S., SAYIN K., TÜZÜN B.  
COLLOIDS AND SURFACES A-PHYSCOCHEMICAL AND ENGINEERING ASPECTS, cilt.641, 2022 (SCI-Expanded)
- XX. **Determination of structural, spectral, computational and OLED properties of Ex2.2Box2+**

**Cyclophane and its derivatives: Experimental and computational study**

SAYIN K., Rezaeivala M., ERKAN S., Güney E.

Journal of Molecular Structure, cilt.1253, 2022 (SCI-Expanded)

- XXI. **Synthesis, In Vitro Cytotoxicity, and DFT Studies of Novel 2-Amino Substituted Benzonaphthyridines as PDK1 Inhibitors**  
Prabha K., Satheeshkumar R., Nasif V., Saranya J., SAYIN K., Natarajan J., Chandrasekar C., Prasad K. J. R.  
CHEMISTRYSELECT, cilt.7, sa.13, 2022 (SCI-Expanded)
- XXII. **Synthesis of diaryl urea derivatives and evaluation of their antiproliferative activities in colon adenocarcinoma**  
GÖMEÇ M., YULAK F., GEZEĞEN H., ÖZKARACA M., SAYIN K., ATASEVEN H.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1254, 2022 (SCI-Expanded)
- XXIII. **Anti-corrosion behavior of 2-((3-(2-morpholino ethylamino)-N3-((pyridine-2-yl)methyl)propylimino)methyl)pyridine and its reduced form on Carbon Steel in Hydrochloric Acid solution: Experimental and theoretical studies**  
Rezaeivala M., Karimi S., TÜZÜN B., SAYIN K.  
THIN SOLID FILMS, cilt.741, 2022 (SCI-Expanded)
- XXIV. **Design and in silico study of the novel coumarin derivatives against SARS-CoV-2 main enzymes**  
ÖZDEMİR M., Köksoy B., Ceyhan D., SAYIN K., Erçağ E., Bulut M., YALÇIN B.  
Journal of Biomolecular Structure and Dynamics, cilt.40, sa.11, ss.4905-4920, 2022 (SCI-Expanded)
- XXV. **New anti-viral drugs for the treatment of COVID-19 instead of favipiravir**  
Aktaş A., Tüzün B., Aslan R., Sayın K., Ataseven H.  
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, cilt.39, sa.18, ss.7263-7273, 2021 (SCI-Expanded)
- XXVI. **Synthesis and competitive Li-7 NMR studies of two morpholine-based ligands**  
Rezaeivala M., Zebarjadian M. H., SAYIN K.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1242, 2021 (SCI-Expanded)
- XXVII. **Experimental and in silico studies of dichloro-tetrakis (1H-pyrazole)-cobalt(II): Structural description, photoluminescent behavior and molecular docking**  
Direm A., El Bali B., SAYIN K., Abdelbakyd M. S. M., Garcia-Granda S.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1235, 2021 (SCI-Expanded)
- XXVIII. **Experimental and theoretical investigation of inhibition behavior of 2-((4-(dimethylamino)benzylidene)amino)benzenethiol for carbon steel in HCl solution**  
KELEŞ H., KELEŞ M., SAYIN K.  
CORROSION SCIENCE, cilt.184, 2021 (SCI-Expanded)
- XXIX. **Experimental and Computational Investigation for (E)-2-hydroxy-5-(2-benzylidene) Aminobenzoic Acid Schiff Base as a Corrosion Inhibitor for Copper in Acidic Media**  
KILINÇEKER G., Bas M., Zarifi F., SAYIN K.  
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE, cilt.45, sa.2, ss.515-527, 2021 (SCI-Expanded)
- XXX. **Investigations of structural, spectral (IR, H-1-, F-9-, B-11-, C-13-, (15) N-, O-17-NMR) and anticancer properties of 5FU@B12N12 complexes**  
AKTAŞ A., Nassif W., SAYIN K.  
CHEMICAL PAPERS, cilt.75, sa.4, ss.1727-1737, 2021 (SCI-Expanded)
- XXXI. **Investigations substituent effect on structural, spectral and optical properties of phenylboronic acids**  
Çöpçü B., SAYIN K., KARAKAŞ D.  
Journal of Molecular Structure, cilt.1227, 2021 (SCI-Expanded)
- XXXII. **Experimental and computational studies of di-mu-chlorido-bis[chlorido(1,10-phenanthroline-(KN)-N-2,N ')nickel(II)] NiCl2(H2O)(C12N2H8): Crystal structure, quantitative analysis of the intermolecular interactions and electronic properties**  
El Bali B., Lachkar M., Direm A., Cetiner E., SAYIN K., Dusek M.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1227, 2021 (SCI-Expanded)

- XXXIII. **Scale factor database for the vibration frequencies calculated in M06-2X, one of the DFT methods**  
ÜNAL Y., Nassif W., Özeydin B. C., SAYIN K.  
Vibrational Spectroscopy, cilt.112, 2021 (SCI-Expanded)
- XXXIV. **The highly protective natural medical agents against COVID-19**  
Gokalp F., Sayin K.  
BRATISLAVA MEDICAL JOURNAL-BRATISLAVSKE LEKARSKE LISTY, cilt.122, sa.9, ss.631-635, 2021 (SCI-Expanded)
- XXXV. **Determination of inhibitor activity of drugs against the COVID-19**  
Gedikli M. A., Tuzun B., Sayin K., ATASEVEN H.  
BRATISLAVA MEDICAL JOURNAL-BRATISLAVSKE LEKARSKE LISTY, cilt.122, sa.7, ss.497-506, 2021 (SCI-Expanded)
- XXXVI. **Could Peganum harmala be effective in the treatment of COVID-19?**  
Tuzun B., Nasibova T., Garaev E., Sayin K., ATASEVEN H.  
BRATISLAVA MEDICAL JOURNAL-BRATISLAVSKE LEKARSKE LISTY, cilt.122, sa.9, ss.670-679, 2021 (SCI-Expanded)
- XXXVII. **Could boron compounds be effective against SARS-CoV-2?**  
ATASEVEN H., SAYIN K., TÜZÜN B., GEDİKLİ M. A.  
BRATISLAVA MEDICAL JOURNAL-BRATISLAVSKE LEKARSKE LISTY, cilt.122, sa.10, ss.753-758, 2021 (SCI-Expanded)
- XXXVIII. **Are clarithromycin, azithromycin and their analogues effective in the treatment of COVID19**  
Gedikli M. A., Tuzun B., Aktas A., Sayin K., Ataseven H.  
BRATISLAVA MEDICAL JOURNAL-BRATISLAVSKE LEKARSKE LISTY, cilt.122, sa.2, ss.101-110, 2021 (SCI-Expanded)
- XXXIX. **Could boron-containing compounds (BCCs) be effective against SARS-CoV-2 as anti-viral agent?**  
Cetiner E., Sayin K., Tuzun B., ATASEVEN H.  
BRATISLAVA MEDICAL JOURNAL-BRATISLAVSKE LEKARSKE LISTY, cilt.122, sa.4, ss.263-269, 2021 (SCI-Expanded)
- XL. **Experimental and computational investigation of variamine blue as an inhibitor for copper in chloride solution**  
KILINÇÇEKER G., ÇELİK S., Zarifi F., SAYIN K.  
JOURNAL OF DISPERSION SCIENCE AND TECHNOLOGY, 2020 (SCI-Expanded)
- XLI. **Research on structural, spectral (IR, UV-Vis, H-1- and C-13-NMR) and light emitting properties of triisocyano-based trinuclear Au(I) complexes**  
Ozkan N., ERKAN S., SAYIN K., KARAKAŞ D.  
CHEMICAL PAPERS, cilt.74, sa.8, ss.2415-2425, 2020 (SCI-Expanded)
- XLII. **Evaluation of structural, spectral characterization and in vitro cytotoxic activity studies of some polycyclic aromatic compounds**  
Rezaeivala M., SAYIN K., Şahin-Bölükbaşı S., Tandoğan D., Kose M., Kose A.  
ARABIAN JOURNAL OF CHEMISTRY, cilt.13, sa.6, ss.5593-5604, 2020 (SCI-Expanded)
- XLIII. **Crystal structure, Hirshfeld surface analysis and theoretical calculations of an oxalato-bridged copper(II) complex: mu-oxalato-bis[(2,2'-bipyridine) hydrate copper(II) nitrate]**  
Boutobba Z., Direm A., SAYIN K., El Bali B., Lachkar M., Benali-Cherif N.  
JOURNAL OF THE IRANIAN CHEMICAL SOCIETY, cilt.17, sa.3, ss.671-685, 2020 (SCI-Expanded)
- XLIV. **Water mediated synthesis of 6-amino-5-cyano-2-oxo-N-(pyridin-2-yl)-4-(p-tolyl)-2H-[1,2 '-bipyridine]-3-carboxamide and 6-amino-5-cyano-4-(4-fluorophenyl)-2-oxo-N-(pyridin-2-yl)-2H-[1,2 '-bipyridine]-3-carboxamide - An experimental and computational studies with non-linear optical (NLO) and molecular docking analyses**  
Jayarajan R., Satheeshkumar R., Kottha T., Subbaramanian S., SAYIN K., Vasuki G.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, cilt.229, 2020 (SCI-Expanded)
- XLV. **Pt-Ni@PC900 Hybrid Derived from Layered-Structure Cd-MOF for Fuel Cell ORR Activity**

- Nadeem M., Yasin G., Arif M., Bhatti M. H., SAYIN K., Mehmood M., Yunus U., Mehboob S., Ahmed I., Floerke U.  
ACS OMEGA, cilt.5, sa.5, ss.2123-2132, 2020 (SCI-Expanded)
- XLVI. **How do arbidol and its analogs inhibit the SARS-CoV-2?**  
Aktas A., Tuzun B., Kafa T. A. H., Sayin K., Ataseven H.  
Bratislavske lekarske listy, cilt.121, sa.10, ss.705-711, 2020 (SCI-Expanded)
- XLVII. **Structural, spectral characterization and molecular docking analyses of mer-ruthenium (II) complexes containing the bidentate chelating ligands**  
Erkan S., Kaya S., Sayin K., Karakaş D.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, cilt.224, 2020 (SCI-Expanded)
- XLVIII. **Quantum chemical calculations on sparfloxacin and boron complexes**  
ÜNGÖRDÜ A., SAYIN K.  
CHEMICAL PHYSICS LETTERS, cilt.733, 2019 (SCI-Expanded)
- XLIX. **Synthesis of novel 1,10-phenanthroline derivatives and it used as probes for sensitive detection of Zn<sup>2+</sup> and Cd<sup>2+</sup> metal ions - Spectroscopic and theoretical approach**  
Satheeshkumar R., Rajamanikandan R., Ilanchelian M., Sayin K., Prasad K. J. R.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, cilt.221, 2019 (SCI-Expanded)
- L. **Investigations of structural, spectral and electronic properties of enrofloxacin and boron complexes via quantumchemical calculation and molecular docking**  
SAYIN K., ÜNGÖRDÜ A.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, cilt.220, 2019 (SCI-Expanded)
- LI. **Research of the substituent effect on non-linear optical properties of bis (difluoroboron)-1,2-bis((1H-pyrrol-2-yl)methylene)hydrazine (BOPHY) derivatives: Molecular simulation analyses**  
SAYIN K.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, cilt.212, ss.380-387, 2019 (SCI-Expanded)
- LII. **Investigations over optical properties of boron complexes of benzothiazolines**  
TÜZÜN B., SAYIN K.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, cilt.208, ss.48-56, 2019 (SCI-Expanded)
- LIII. **The Different Effects of Metal Ions on the Synthesis of Macroacyclic Compounds: X-ray Crystal Structure, Theoretical Studies, Antibacterial and Antifungal Activities**  
Rezaeiylala M., Golbedaghi R., Khalili M., Ahmad M., Sayin K., Chalabian F.  
RUSSIAN JOURNAL OF COORDINATION CHEMISTRY, cilt.45, sa.2, ss.142-153, 2019 (SCI-Expanded)
- LIV. **Investigations of structural, spectral, electronic and biological properties of N-heterocyclic carbene Ag(I) and Pd(II) complexes**  
Sayin K., Kariper S. E., Tastan M., Sayin T. A., Karakaş D.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1176, ss.478-487, 2019 (SCI-Expanded)
- LV. **New diazo-containing phenolic oximes: structural characterization, computational studies, and solvent extraction of Cu(II), Ni(II), and Zn(II) ions**  
KARABÖRK M., Kirpik H., SAYIN K., KÖSE M.  
TURKISH JOURNAL OF CHEMISTRY, cilt.43, sa.1, ss.197-212, 2019 (SCI-Expanded)
- LVI. **Investigation of structural and biological properties of N-heterocyclic carbene silver(I) and palladium(II) complexes**  
SAYIN K.  
JOURNAL OF COORDINATION CHEMISTRY, cilt.71, sa.20, ss.3292-3303, 2018 (SCI-Expanded)
- LVII. **Crystal structure, thermal, luminescent and terahertz time domain spectroscopy of magnesium N-phthaloyl-beta-alaninate: A combined experimental and theoretical study**  
Nadeem M., Bhatti M. H., SAYIN K., Yunus U., Mehmood M., Mehboob S., Floerke U.

- JOURNAL OF MOLECULAR STRUCTURE, cilt.1170, ss.1-8, 2018 (SCI-Expanded)
- LVIII. **Investigation of structural, electronic properties and docking calculations of some boron complexes with norfloxacin: A computational research**  
SAYIN K., KARAKAŞ D.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, cilt.202, ss.276-283, 2018 (SCI-Expanded)
- LIX. **Half-sandwich Ruthenium(II) arene complexes bearing the azo-azomethine ligands: Electrochemical, computational, antiproliferative and antioxidant properties**  
Inan A., Sunbul A. B., Ikiz M., Tayhan S. E., BİLGİN S., Elmastas M., SAYIN K., CEYHAN G., KÖSE M., İSPİR E.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.870, ss.76-89, 2018 (SCI-Expanded)
- LX. **Sev and pcu topological nets in one-pot newly synthesized mixed-ligand imidazole-containing Cu(II) coordination frameworks: Crystal structure, intermolecular interactions, theoretical calculations, magnetic behavior and biological activity**  
Direm A., Abdelbaky M. S. M., SAYIN K., Cornia A., Abosedo O., Garcia-Granda S.  
INORGANICA CHIMICA ACTA, cilt.478, ss.59-70, 2018 (SCI-Expanded)
- LXI. **Quantum chemical investigation of levofloxacin-boron complexes: A computational approach**  
SAYIN K., KARAKAŞ D.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1158, ss.57-65, 2018 (SCI-Expanded)
- LXII. **Unsymmetrical tripodal amines containing one pyridine-armed with N3O2-donor set: Coordination chemistry with zinc(II) and theoretical studies**  
Keypour H., Shayesteh M., Rezaeivala M., Dhers S., SAYIN K.  
INORGANICA CHIMICA ACTA, cilt.473, ss.94-101, 2018 (SCI-Expanded)
- LXIII. **Investigation of anticancer properties of caffeinated complexes via computational chemistry methods**  
SAYIN K., ÜNGÖRDÜ A.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, cilt.193, ss.147-155, 2018 (SCI-Expanded)
- LXIV. **Computational study of some fluoroquinolones: Structural, spectral and docking investigations**  
SAYIN K., KARAKAŞ D., ERKAN KARİPER S., Sayin T. A.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1156, ss.172-181, 2018 (SCI-Expanded)
- LXV. **Antiproliferative, antioxidant, computational and electrochemical studies of new azo-containing Schiff base ruthenium(II) complexes**  
Inan A., Ikiz M., Tayhan S. E., BİLGİN S., GENÇ N., SAYIN K., CEYHAN G., KÖSE M., Dag A., İSPİR E.  
NEW JOURNAL OF CHEMISTRY, cilt.42, sa.4, ss.2952-2963, 2018 (SCI-Expanded)
- LXVI. **Computational investigations of trans platinum(II) oxime complexes used as anticancer drug**  
SAYIN K., KARAKAŞ D.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, cilt.188, ss.537-546, 2018 (SCI-Expanded)
- LXVII. **Synthesis, spectroscopic, in vitro cytotoxicity and crystal structures of novel fluorinated dispiroheterocycles: DFT approach**  
Satheeshkumar R., SAYIN K., Kaminsky W., Prasad K. J. R.  
MONATSHEFTE FÜR CHEMIE, cilt.149, sa.1, ss.141-147, 2018 (SCI-Expanded)
- LXVIII. **Theoretical study on the antitumor properties of Ru(II) complexes containing 2-pyridyl, 2-pyridine-4-carboxylic acid ligands**  
ERKAN KARİPER S., SAYIN K., KARAKAŞ D.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1149, ss.473-486, 2017 (SCI-Expanded)
- LXIX. **Investigation of Structural, Electronic and Biological Properties of Two Zn(II) Complexes with Pentaaza Macrocyclic Schiff-Base Ligand: A DFT Approach**  
SAYIN K., KARAKAŞ D.  
JOURNAL OF CLUSTER SCIENCE, cilt.28, sa.6, ss.3075-3086, 2017 (SCI-Expanded)
- LXX. **Determination of structural, spectral, electronic and biological properties of tosofloxacin boron**

**complexes and investigation of substituent effect**

SAYIN K., KARAKAŞ D.

JOURNAL OF MOLECULAR STRUCTURE, cilt.1146, ss.191-197, 2017 (SCI-Expanded)

- LXXI. **New fluorescent azo-Schiff base Cu(II) and Zn(II) metal chelates; spectral, structural, electrochemical, photoluminescence and computational studies**  
Purtas F., SAYIN K., CEYHAN G., KÖSE M., KURTOĞLU M.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1137, ss.461-475, 2017 (SCI-Expanded)
- LXXII. **Synthesis, spectral analysis and quantum chemical studies on molecular geometry, chemical reactivity of 7-chloro-9-(2'-chlorophenyl)-2,3-dihydroacridin-4(1H)-one and 7-chloro-9-(2'-fluorophenyl)-2,3-dihydroacridin-4(1H)-one**  
Satheeshkumar R., SAYIN K., Kaminsky W., Prasad K. J. R.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1128, ss.279-289, 2017 (SCI-Expanded)
- LXXIII. **Indium triflate and ionic liquid-mediated Friedlander synthesis of 2-acylquinolines**  
Satheeshkumar R., SAYIN K., Kaminsky W., Prasad K. J. R.  
SYNTHETIC COMMUNICATIONS, cilt.47, sa.21, ss.1940-1954, 2017 (SCI-Expanded)
- LXXIV. **Effect of pyridyl on adsorption behavior and corrosion inhibition of aminotriazole**  
SAYIN K., Jafari H., Mohsenifar F.  
JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS, cilt.68, ss.431-439, 2016 (SCI-Expanded)
- LXXV. **Computational and experimental studies of 2-[(E)-hydrazinylidenemethyl]-6-methoxy-4-[(E)-phenyldiazenyl]phenol and its tautomers**  
SAYIN K., KURTOĞLU N., KÖSE M., KARAKAŞ D., KURTOĞLU M.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1119, ss.413-422, 2016 (SCI-Expanded)
- LXXVI. **Corrosion inhibition studies of N,N'-bis(4-formylphenol)-1,2-Diaminocyclohexane on steel in 1 HCl solution acid**  
Jafari H., Mohsenifar F., SAYIN K.  
JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS, cilt.64, ss.314-324, 2016 (SCI-Expanded)
- LXXVII. **Dinuclear Cu(II) complexes of compartmental Schiff base ligands formed from unsymmetrical tripodal amines of varying arm lengths: Crystal structure of [Cu<sub>2</sub>L<sub>1</sub>](ClO<sub>4</sub>)(2) and theoretical studies**  
Keypour H., Shayesteh M., Rezaeivala M., SAYIN K.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1112, ss.110-118, 2016 (SCI-Expanded)
- LXXVIII. **Sulfur Containing Compounds as Corrosion Inhibitors for Mild Steel in Hydrochloric Acid Solution**  
Jafari H., SAYIN K.  
TRANSACTIONS OF THE INDIAN INSTITUTE OF METALS, cilt.69, sa.3, ss.805-815, 2016 (SCI-Expanded)
- LXXIX. **Pd(II) complexes of novel phosphine ligands: Synthesis, characterization, and catalytic activities on Heck reaction**  
ALTAN O., Serindag O., SAYIN K., KARAKAŞ D.  
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, cilt.191, sa.7, ss.993-999, 2016 (SCI-Expanded)
- LXXX. **Electrochemical and theoretical studies of adsorption and corrosion inhibition of aniline violet compound on carbon steel in acidic solution**  
Jafari H., SAYIN K.  
JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS, cilt.56, ss.181-190, 2015 (SCI-Expanded)
- LXXXI. **Synthesis of two new azo-azomethines; spectral characterization, crystal structures, computational and fluorescence studies**  
Eskikanbur S., SAYIN K., KÖSE M., ZENGİN H., McKee V., KURTOĞLU M.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1094, ss.183-194, 2015 (SCI-Expanded)
- LXXXII. **Structural, spectral, NLO and MEP analysis. of the [MgO<sub>2</sub>Ti<sub>2</sub>(OPri)<sub>6</sub>], [MgO<sub>2</sub>Ti<sub>2</sub>(OPri)<sub>2</sub>(acac)<sub>4</sub>] and [MgO<sub>2</sub>Ti<sub>2</sub>(OPri)<sub>2</sub>(bzac)<sub>4</sub>] by DFT method**  
SAYIN K., KARAKAŞ D.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, cilt.144, ss.176-182, 2015



- (SCI-Expanded)
- LXXXIII. **Synthesis and characterization of Co(II), Ni(II), Cu(II) and Zn(II) complexes with a new homopiperazine macrocyclic Schiff base ligand**  
Keypour H., Rezaeivala M., Mirzaei-Monsef M., SAYIN K., Dilek N., ÜNVER H.  
INORGANICA CHIMICA ACTA, cilt.432, ss.243-249, 2015 (SCI-Expanded)
- LXXXIV. **Spectroscopic investigation, FMOs and NLO analyses of Zn(II) and Ni(II) phenanthroline complexes: A DFT approach**  
SAYIN K., Karaka D., KARAKUŞ N., Sayin T. A., Zaim Z., ERKAN KARİPER S.  
POLYHEDRON, cilt.90, ss.139-146, 2015 (SCI-Expanded)
- LXXXV. **The investigation of corrosion inhibition efficiency on some benzaldehyde thiosemicarbazones and their thiole tautomers: Computational study**  
KARAKUŞ N., SAYIN K.  
JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS, cilt.48, ss.95-102, 2015 (SCI-Expanded)
- LXXXVI. **Theoretical spectroscopic study of seven zinc(II) complex with macrocyclic Schiff-base ligand**  
SAYIN K., ERKAN KARİPER S., Sayin T. A., KARAKAŞ D.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, cilt.133, ss.348-356, 2014 (SCI-Expanded)
- LXXXVII. **A novel azo-azomethine based fluorescent dye and its Co(II) and Cu(II) metal chelates**  
Kurtoglu G., AVAR B., ZENGİN H., KÖSE M., SAYIN K., KURTOĞLU M.  
JOURNAL OF MOLECULAR LIQUIDS, cilt.200, ss.105-114, 2014 (SCI-Expanded)
- LXXXVIII. **The investigation of the solvent effect on coordination of nicotinato ligand with cobalt(II) complex containing tris(2-benzimidazolylmethyl) amine: A computational study**  
SAYIN K., KARAKAŞ D.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1076, ss.244-250, 2014 (SCI-Expanded)
- LXXXIX. **Preparation, spectral, X-ray powder diffraction and computational studies and genotoxic properties of new azo-azomethine metal chelates**  
Bitmez S., SAYIN K., AVAR B., KÖSE M., KAYRALDIZ A., KURTOĞLU M.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1076, ss.213-226, 2014 (SCI-Expanded)
- XC. **A novel azo-aldehyde and its Ni(II) chelate; synthesis, characterization, crystal structure and computational studies of 2-hydroxy-5-{(E)-[4-(propan-2-yl)phenyl]diazanyl}benzaldehyde**  
Eren T., KÖSE M., SAYIN K., McKee V., KURTOĞLU M.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1065, ss.191-198, 2014 (SCI-Expanded)
- XCI. **Quantum chemical studies on the some inorganic corrosion inhibitors**  
SAYIN K., KARAKAŞ D.  
CORROSION SCIENCE, cilt.77, ss.37-45, 2013 (SCI-Expanded)
- XCII. **Determination of structural and electronic properties of Ni(NQSC)<sub>2</sub> and Ni(NQTS)<sub>2</sub> complexes with DFT method**  
Sayın K., Karakaş D.  
Journal of New Results in Science, cilt.2, ss.47-53, 2013 (SCI-Expanded)
- XCIII. **DFT and TD-DFT studies on copper(II) complexes with tripodal tetramine ligands**  
KARAKAŞ D., SAYIN K.  
INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY, cilt.52, sa.4, ss.480-485, 2013 (SCI-Expanded)

## **Diğer Dergilerde Yayınlanan Makaleler**

- Synthesis and characterization of new niacinamide compounds and computational and experimental investigation of their anticancer and antibacterial activity**  
Ertek H., SAYIN K.  
Indian Journal of Chemistry (IJC), cilt.63, sa.7, ss.716-726, 2024 (Scopus)

- II. **Design, synthesis, in vitro and computational analyses of anticancer nicotinamide derivatives**  
GÖMEÇ M., Nasif V., Kafa A. H. T., SAYIN K., GEZEĞEN H., ATASEVEN H.  
Indian Journal of Chemistry (IJC), cilt.63, sa.2, ss.145-158, 2024 (Scopus)
- III. **Structural, Electronic, ADME and p450 Analyses of Boron Containing Compounds against Omicron Variant (B.1.1.529) in SARS-CoV-2**  
SAYIN K., ATASEVEN H.  
Cumhuriyet Science Journal, cilt.44, sa.1, ss.72-80, 2023 (Hakemli Dergi)
- IV. **Structural, Spectral, Antibacterial and Anticancer Investigations of Synthesized Isoxazole Derivatives**  
Güney E., SAYIN K.  
Turkish Computational and Theoretical Chemistry, cilt.7, sa.3, ss.30-41, 2023 (Scopus)
- V. **Interactions Energy, Energy Frameworks, Hirshfeld Surface and Topological Analyses of a Mononuclear Co(II) Coordination Framework**  
DIREM A., El Bali B., SAYIN K., Abdelbaky M. S. M., Garcia-Granda S.  
Chemistry Proceedings, cilt.9, ss.1, 2022 (Hakemli Dergi)
- VI. **Could Momordica Charantia Be Effective In The Treatment of COVID19?**  
TÜZÜN B., SAYIN K., ATASEVEN H.  
CUMHURİYET SCIENCE JOURNAL, cilt.43, sa.2, ss.211-220, 2022 (Hakemli Dergi)
- VII. **Investigations of structural, spectral (IR and NMR) and in silico analyses of boron compounds as SERM inhibitor**  
KAYA S., SAYIN K., ERKAN S., KARAKAŞ D.  
Chemical Data Collections, cilt.37, 2022 (Hakemli Dergi)
- VIII. **Investigation of Antiparasitic Properties of Benzimidazole Derivatives Against Amebiasis**  
ATAŞ A. D., ATASEVEN H., SAYIN K.  
Turkish Computational and Theoretical Chemistry, cilt.5, sa.1, ss.11-17, 2022 (Scopus)
- IX. **2-Phenylethyne-1-Sulfonamide Derivatives as New Drugs Candidates for Heat Shock Protein 70 and Doublecortin-like Kinase**  
ERGÜL M., SAYIN K., ATASEVEN H.  
Turkish Computational and Theoretical Chemistry, cilt.5, sa.1, ss.1-12, 2021 (Scopus)
- X. **Modelling studies on the investigation of non-linear optical properties of some ExnBox Cyclophanes**  
SAYIN K., REZAEIVALA M.  
Cumhuriyet Science Journal, cilt.41, sa.2, ss.344-350, 2020 (Hakemli Dergi)
- XI. **Structural, Spectral, Biological and Antioxidant Analyses of Baicalin and Its Vanadium Complexes: A DFT Study**  
SAYIN K., ÜNGÖRDÜ A.  
Cumhuriyet Science Journal, cilt.41, sa.1, ss.11-21, 2020 (Hakemli Dergi)
- XII. **A Study of New benzo[d]thiazol Derivatives as Corrosion Inhibitors for Steel AISI 1035 in Acidic**  
JAFARI H., MOHSENIFAR F., SAYIN K.  
Moroccan Journal of Chemistry, cilt.7, sa.1, ss.36-47, 2019 (Scopus)
- XIII. **Detemination of The Best Method (HF, MP2 and B3LYP) in Calculation of Chemical Hardness**  
Zaim Z., ALAGÖZ SAYIN T., SAYIN K., KARAKAŞ D.  
Turkish Computational and Theoretical Chemistry, cilt.2, sa.2, ss.7-15, 2018 (Scopus)
- XIV. **Structural, spectroscopic and activity calculations on methanesulfonylhydrazone derivative chromium pentacarbonyl complexes**  
ERKAN S., SAYIN K., KARAKAŞ D.  
Journal of the Turkish Chemical Society, Section A: Chemistry, cilt.5, sa.3, ss.1193-1204, 2018 (Scopus)
- XV. **Effect of Alkyl Chain Length on Adsorption Behavior and Corrosion Inhibition of Imidazoline Inhibitors**  
JAFARI H., MOHSENIFAR F., SAYIN K.  
Iranian Journal of Chemistry and Chemical Engineering, cilt.37, sa.5, ss.85-103, 2018 (Hakemli Dergi)
- XVI. **Computational Investigations on IR, UV-VIS and NMR Spectra of Copper(II) Phenanthroline Complexes with DFT Method**

- SAYIN K.  
Cumhuriyet Science Journal, cilt.38, sa.4, ss.661-673, 2017 (Hakemli Dergi)
- XVII. **Measuring Adsorption Behavior and Corrosion Inhibition of Trans and Cis of Di-(3-hydroxybenzaldehyde)-1,2-diaminocyclohexane**  
JAFARI H., SAYIN K., MOHSENIFAR F.  
Journal of Bio- and Tribo-Corrosion, cilt.3, sa.4, ss.1-15, 2017 (Scopus)
- XVIII. **Theoretical Investigation of Temperature Effect on the Formation of Sulphuric Acid Rain**  
SAYIN K., KARAKAŞ D.  
Turkish Computational and Theoretical Chemistry, cilt.1, ss.11-16, 2017 (Scopus)
- XIX. **Ab-Initio and DFT Calculations on Some Inorganic InhibitorsComputaional Study on Inorganic Corrosion Inhibitors**  
SAYIN K., KARAKAŞ D.  
Journal of new results in science, cilt.6, sa.1, ss.20-31, 2017 (Hakemli Dergi)
- XX. **SYNTHESIS, QUANTUM CHEMICAL COMPUTATIONS AND X-RAY CRYSTALLOGRAPHIC STUDIES OF A NEW COMPLEX BASED OFMANGANESE ( plus II)**  
Benyza N., Messai A., Hamdaoui A., Lanez T., Sayin K.  
JOURNAL OF FUNDAMENTAL AND APPLIED SCIENCES, cilt.9, sa.2, ss.770-789, 2017 (Hakemli Dergi)
- XXI. **Theoretical Studies on Oxovanadium(IV) Complexes with Sterically Crowded Schiff Base Ligands**  
KARAKAŞ D., SAYIN K.  
Cumhuriyet Science Journal, cilt.38, ss.1-12, 2017 (Hakemli Dergi)
- XXII. **SYNTHESIS, CRYSTAL STRUCTURES, HYDROGEN BONDING GRAPH-SETS AND THEORETICAL STUDIES OF NICKEL ( plus II) CO-ORDINATIONS WITH PYRIDINE-2,6-DICARBOXAMIDE OXIME**  
Hamdaoui A., Messai A., Benyza N., Lanez T., Sayin K.  
JOURNAL OF FUNDAMENTAL AND APPLIED SCIENCES, cilt.9, sa.1, ss.183-205, 2017 (Hakemli Dergi)
- XXIII. **Experimental and Computational Investigations of Decolourization of Rhodamine B in Aqueous Solution**  
KARTAL TEMEL N., SAYIN K.  
Hacettepe Journal of Biology and Chemistry, cilt.45, sa.3, ss.375-383, 2017 (Hakemli Dergi)
- XXIV. **Investigation of Thermodynamic Parameters for Steel Corrosion in Acidic Solution in the Presence of N N Bis phloroacetophenone 1 2 propanediamine**  
MOHSENIFAR F., JAFARI H., SAYIN K.  
Journal of Bio- and Tribo-Corrosion, cilt.2, sa.1, ss.1-13, 2016 (Scopus)
- XXV. **Method and basis set investigation for trans platinum II oxime complex**  
SAYIN K., KARAKAŞ D.  
Cumhuriyet University Faculty of Science Science Journal (CSJ), cilt.36, sa.2, ss.1-10, 2015 (Hakemli Dergi)
- XXVI. **Method and Basis Set Investigation and Spectral Studies for Oximato Bridged trans Platinum II Dimer Used as Anticancer Drug**  
SAYIN K., KARAKAŞ D.  
Journal of New Results in Science, cilt.8, ss.1-12, 2015 (Hakemli Dergi)
- XXVII. **Theoretical Studies on EightOxovanadium IV Complexes withSalicylaldehyde and Aniline Ligands**  
ERKAN KARİPER S., SAYIN K., KARAKAŞ D.  
Hacettepe Journal of Biology and Chemistry, cilt.42, sa.3, ss.337-342, 2014 (Hakemli Dergi)
- XXVIII. **Determination of structural and electronic properties of Ni NQSC 2 and Ni NQTS 2 complexes with DFT method**  
SAYIN K., KARAKAŞ D.  
Journal of New Results in Science, cilt.2, sa.2, ss.47-53, 2013 (Hakemli Dergi)
- XXIX. **Quantum chemical studies on Co ntb pic complex ion**  
SAYIN K., KARAKAŞ D.  
Journal of New Results in Science, cilt.2, ss.54-59, 2013 (Hakemli Dergi)

## Kitap & Kitap Bölümleri

- I. **MİDE KANSERİNE KİMYACI BAKIŞI**  
TÜZÜN B., SAYIN K.  
Mide Kanseri Multidisipliner Bakış, , Editör, cumhuriyet üniversitesi, Sivas, ss.261-276, 2022
- II. **MİDE KANSERİ VE İN SİLİKO ÇALIŞMALAR**  
TÜZÜN B., SAYIN K.  
Mide Kanseri Multidisipliner Bakış, , Editör, cumhuriyet üniversitesi, Sivas, ss.195-216, 2022
- III. **Proton Pompa İnhibitörlerinin Kimyası**  
ERKAN S., SAYIN K.  
Her Yönüyle Proton Pompaları ve Proton Pompa İnhibitörleri, Hilmi Ataseven, Merve Ergül, Editör, Cumhuriyet Üniversitesi Yayınları, Sivas, ss.63-80, 2020
- IV. **İN Siliko Çalışmalar**  
Sayın K.  
Her Yönüyle Kanser / Cancer In All Aspects, Ataseven Hilmi, Sayın Koray, Editör, Cumhuriyet Üniversitesi Yayınları, Sivas, ss.591-596, 2020
- V. **Proton Pompaların Fizikokimyasal Özellikleri**  
SAYIN K., ERKAN S.  
Her Yönüyle Proton Pompaları ve Proton Pompa İnhibitörleri, Hilmi Ataseven, Merve Ergül, Editör, Cumhuriyet Üniversitesi Yayınları, Sivas, ss.11-16, 2020

## Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **A comparative theoretical and spectroscopic study of aminomethylbenzoic acid derivatives as potential NLO candidates**  
DIREM A., SAYIN K.  
The 24th International Electronic Conference on Synthetic Organic Chemistry, İspanya, 15 Kasım 2020
- II. **Quantum Chemical Calculations on Manganese Complexes with Penta-Amine Macrocyclic Schiff Base Ligand: Computational and Molecular Docking**  
ERKAN S., SAYIN K., KARAKAŞ D.  
2nd International Conference on Physical Chemistry and Functional Materials, 25 - 27 Haziran 2019
- III. **MOLECULAR DOCKING ANALYSES BETWEEN SAUCHINONE AND QUERCETIN AGAINST EPIDERMAL GROWTH FACTOR RECEPTOR IN LUNG CANCER**  
Özaydın B. C., SAYIN K., ATASEVEN H.  
I. International Cancer Days, 19 - 21 Eylül 2019
- IV. **INVESTIGATIONS OF ANTICANCER PROPERTIES OF TWO ANTIOXIDANT COMPOUNDS, (2R)-3-(3,4-DIHYDROXYPHENYL)-2-[(E)-3-(3,4-DIHYDROXYPHENYL)PROP-2-ENOYL]OXYPROPANOIC ACID AND 6-HYDROXY-2,2-DIMETHYL-3-CHROMEN**  
Nassif W., SAYIN K., ATASEVEN H.  
I. International Cancer Days, 19 - 21 Eylül 2019
- V. **MORPHOLINE-BASED SCHIFF BASE COMPLEXES SYNTHESIS, CHARACTERIZATION AND CYTOTOXIC ACTIVITY**  
REZAEIVALA M., ŞAHİN BÖLÜKBAŞI S., SAYIN K.  
I. International Cancer Days, 19 - 21 Eylül 2019
- VI. **INVESTIGATION OF EFFICIENCY OF CARMUSTINE AND LOMUSTINE AGAINST MELANOMA CANCER (PDB ID: 5IXB)**  
Özaydın B. C., SAYIN K., ATASEVEN H.  
I. International Cancer Days, 19 - 21 Eylül 2019
- VII. **Can B12N12 nanomaterial effective in the inhibiting of Vascular Endothelial Growth Factor Receptor 2 (VEGFR2)?**

Nassif W., SAYIN K., ATASEVEN H.

I. International Cancer Days, 19 - 21 Eylül 2019

- VIII. **Determination of Biological Reactivity against Lung Cancer Cell and Investigations of NLO Properties of Ciprofloxacin-Boron Complexes**  
SAYIN K., ERKAN S.  
2nd International Conference on Physical Chemistry and Functional Materials, 25 - 27 Haziran 2019
- IX. **Comparison of Biological Reactivity of Pantoprazole and Lansoprazole by Computational Chemistry Techniques**  
SAYIN K., ATASEVEN H.  
2nd International Conference on Physical Chemistry and Functional Materials, 25 - 27 Haziran 2019
- X. **Quantum Chemical Calculations on Ag and Pb Complexes with Penta-Amine Macrocyclic Schiff Base Ligand: Computational and Molecular Docking Analyses**  
SAYIN K., ERKAN S., KARAKAŞ D.  
2nd International Conference on Physical Chemistry and Functional Materials, 25 - 27 Haziran 2019
- XI. **Can pantoprazole use in the treatment of ulcerative colitis?**  
SAYIN K., ATASEVEN H.  
2nd International Conference on Physical Chemistry and Functional Materials, 25 - 27 Haziran 2019
- XII. **Investigation of The Usability of Pantoprazole in Ulcerative Colits**  
ATASEVEN H., SAYIN K.  
1st International Ahi Evran Medicine Helath Science Congress, Kırşehir, Türkiye, 11 - 14 Nisan 2019
- XIII. **Investigation of Antiplatelet Effects of Pantoprazole**  
POLAT V., SAYIN K.  
1st International Ahi Evran Medicine Health Science Congress, Kırşehir, Türkiye, 11 - 14 Nisan 2019
- XIV. **Charge Transfer Property of Tris(3-nitro-8-hydroxyquinolinato) Aluminium**  
ÜNGÖRDÜ A., SAYIN K.  
1. Uluslararası Battal Gazi Multi Disipliner Çalışmalar Kongresi, 7 - 09 Aralık 2018
- XV. **Reorganization Energy of Tris(3-amino-8-hydroxyquinolinato) Aluminium Complex**  
ÜNGÖRDÜ A., SAYIN K.  
1. Uluslararası Battal Gazi Multi Disipliner Çalışmalar Kongresi, 7 - 09 Aralık 2018
- XVI. **DFT Studies of Heat Shock Protein (HSP) Inhibitors**  
SAYIN K., ÜNGÖRDÜ A.  
1. Uluslararası Battal Gazi Multi Disipliner Çalışmalar Kongresi, 7 - 09 Aralık 2018
- XVII. **QUANTUM CHEMICAL CALCULATIONS ON FLAVONOID BAICALIN IN WATER PHASE**  
SAYIN K., ÜNGÖRDÜ A.  
1. Uluslararası Battal Gazi Multi Disipliner Çalışmalar Kongresi, 7 - 09 Aralık 2018
- XVIII. **Comparison of structural and electronic properties of B12N12 and Al12N12 nanocages**  
SAYIN K.  
3rd International Mediterranean Science and Engineering Congress, 24 - 26 Ekim 2018
- XIX. **Quantum Chemical Calculations of A Proton Pump Inhibitor: ADFT Study**  
SAYIN K., ATASEVEN H.  
3rd International Mediterranean Science and Engineering Congress, 24 - 26 Ekim 2018
- XX. **Flavanoid Baisalin Bileşiğinin Kuantum Kimyasal HesaplamalarYöntemleriyle İncelenmesi**  
SAYIN K., ÜNGÖRDÜ A., KARAKUŞ N.  
3rd International Mediterranean Science and Engineering Congress, 24 - 26 Ekim 2018
- XXI. **Quantum Chemical Investigations of boron nitride nano-cages(B3N3, B4N4 and B6N6)**  
SAYIN K.  
3rd International Mediterranean Science and Engineering Congress, 24 - 26 Ekim 2018
- XXII. **Anticancer effect of proton pump inhibitor on hepatocellular carcinoma**  
SAYIN K., ÜNGÖRDÜ A., ATASEVEN H.  
APASL Single Topic Conference, 27 - 29 Eylül 2018
- XXIII. **Computational Studies on Shrock Type Mo(CO)5(Cme2) and Mo(CO)5(Cmeet) Alkliden Complexes**

**Based on Density Functional Theory**

ÖZÇİFTÇİ H., ERKAN KARİPER S., SAYIN K., KARAKAŞ D.

International Trace Analysis Congress, 20 - 23 Haziran 2018

- XXIV. **Quantum Chemical Calculations on [Tp(CO)<sub>2</sub>Mo C-Ph]<sub>2</sub> and [L(CO)<sub>2</sub>Mo C-Ph] Alkylidene Complexes**  
KARAKAŞ D., ZAİM Z., ERKAN KARİPER S., SAYIN K.  
International Conference on Physical Chemistry and Functional Materials, 19 - 21 Haziran 2018
- XXV. **Investigation of 1-Allyl-3-Butylbenzimidazolium-Derived Silver (I) Complexes in Terms of Structure and Biological Activity by Computational Chemistry Methods**  
SAYIN K., ERKAN KARİPER S., KARAKAŞ D.  
International Conference on Physical Chemistry and Functional Materials, 19 - 21 Haziran 2018
- XXVI. **Investigations of Structural, Spectral, Electronic and Biological Properties of N-Heterocyclic Carbene Pd(II) Complex**  
ERKAN KARİPER S., SAYIN K., KARAKAŞ D., TÜZÜN B.  
International Conference on Physical Chemistry and Functional Materials, 19 - 21 Haziran 2018
- XXVII. **Spectral analysis and molecular docking of metal complexes with bis(pyridine carboxamide) benzene ligand**  
ERKAN KARİPER S., TÜZÜN B., SAYIN K.  
International Conference on Physical Chemistry and Functional Materials, 19 - 21 Haziran 2018
- XXVIII. **Detailed Examination of Bis-NHC Palladium (II) Complex by DFT Method**  
ERKAN KARİPER S., SAYIN K., KARAKAŞ D., TÜZÜN B.  
International Conference on Physical Chemistry and Functional Materials, 19 - 21 Haziran 2018
- XXIX. **Metal complexes with pyrazole derived: Spectral analysis and biological evaluation**  
ERKAN KARİPER S., TÜZÜN B., SAYIN K.  
International Conference on Physical Chemistry and Functional Materials, 19 - 21 Haziran 2018
- XXX. **Mono-Azo Naftilamin Boyalarının İnhibisyon Mekanizmasının Belirlenmesi: Hesaplamalı Korozyon Çalışması**  
SAYIN K., ÜNGÖRDÜ A., KARAKAŞ N.  
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), 25 - 27 Ekim 2017
- XXXI. **Mono-Azo Naftilamin Boyalarının İnhibisyon Mekanizmasının Belirlenmesi: Hesaplamalı Korozyon Çalışması**  
SAYIN K., ÜNGÖRDÜ A., KARAKAŞ N.  
International Mediterranean Science and Engineering Congress (IMSEC 2017), 25 - 27 Ekim 2017
- XXXII. **Mono-Azo Naftilamin Boyalarının İnhibisyon Mekanizmalarının Belirlenmesi: Hesaplamalı Korozyon Çalışması**  
SAYIN K., ÜNGÖRDÜ A., KARAKAŞ N.  
2nd international mediterranean science and engineering congress (IMSEC 2017), Adana, Türkiye, 25 - 27 Ekim 2017
- XXXIII. **Mer-[Ru(Cl-Ph-tpy)(N-N)(X)] Tipi Rutenyum (II) Komplekslerinin Yapısal, Elektronik ve Antikanser Özelliklerinin Hesaplamalı Kimya Yöntemleriyle Araştırılması**  
ERKAN KARİPER S., SAYIN K., KARAKAŞ D.  
3. Hesaplamalı Kimya Kongresi, Türkiye, 12 - 14 Ekim 2017
- XXXIV. **Mer-[Ru(Cl-Ph-tpy)(N-N)(X)] Tipi Rutenyum (II) Komplekslerinin Yapısal, Elektronik ve Antikanser Özelliklerinin Hesaplamalı Kimya Yöntemleriyle Araştırılması**  
ERKAN KARİPER S., SAYIN K., KARAKAŞ D.  
3. Hesaplamalı Kimya Kongresi, Ankara, Türkiye, 12 - 14 Ekim 2017
- XXXV. **INVESTIGATIONS OF BIOLOGICAL PROPERTIES OF SOME METAL (MN, PD AND AG) COMPLEXES WITH PENTA-AMINEMACROCYCLIC SCHIFF BASE LIGAND: MOLECULAR DOCKING CALCULATIONS**  
SAYIN K., KARAKAŞ D., ERKAN KARİPER S.  
2nd International Gazi Pharma Symposium Series, 11 - 13 Ekim 2017
- XXXVI. **Investigations of Biological Properties of Some Metal (Mn, Pd and Ag) Complexes with Pentaamine Macrocylic Schiff Base Ligand: Molecular Docking Calculations**

- Sayın K., Karakaş D., Erkan Kariper S.  
2nd International Gazi Symposium Series, Ankara, Türkiye, 11 - 13 Ekim 2017
- XXXVII. **INVESTIGATION OF ANTICANCER PROPERTIES OF RU(II) AND OS(III) COMPLEXES: MOLECULAR DOCKING CALCULATIONS**  
SAYIN K., ÜNGÖRDÜ A.  
2nd International Gazi Pharma Symposium Series (GPSS-2017), Ankara, Türkiye, 11 - 13 Ekim 2017
- XXXVIII. **Investigation of Anticancer Properties of Some Organo-Boron Complexes with Norfloxacin**  
SAYIN K., KARAKAŞ D.  
International congress on chemistry and materials science, 5 - 07 Ekim 2017, ss.215
- XXXIX. **Computational Investigation of Ag(I) and Pd(II) Complexes with N-Heterocyclic Carbene Ligand: A DFT Studies**  
SAYIN K.  
INTERNATIONAL CONGRESS ON CHEMISTRY AND MATERIALS SCIENCE, 5 - 07 Ekim 2017
- XL. **The new fluorescent azo schiff base copper ii and zinc ii metal chelates experimental and theoretical studies**  
PURTAŞ F., SAYIN K., CEYHAN G., KÖSE M., KURTOĞLU M.  
1st International Mediterranean Science and Engineering Congress, 26 Ekim - 28 Aralık 2016
- XLI. **CORROSION INHIBITION OF AZO CHROMOPHORE GROUP CONTAINING SCHIFF BASES WITH COMPUTATIONAL METHODS**  
PURTAŞ F., SAYIN K., KURTOĞLU M.  
XIV. Uluslararası Korozyon Sempozyumu, 5 Ekim - 07 Aralık 2016
- XLII. **Investigation of solvent effect on biological reactivity, UV-VIS and NMR analyses of Zn(II) complexes with pentaaza macrocyclic schiff-base ligand**  
SAYIN K., KARAKAŞ D., KARAKUŞ N., ERKAN KARİPER S.  
TURCMOS 2015, 13 - 18 Eylül 2015
- XLIII. **Computational investigation of trans Pt II oxime complexes**  
SAYIN K., KARAKAŞ D.  
II. International Turkish Congress on Molecular Spectroscopy, Antalya, Türkiye, 13 - 18 Eylül 2015
- XLIV. **Investigation of solvent effect on biological reactivity UV VIS and NMR analyses of Zn II complexes with pentaaza macrocyclic Schiff base ligand**  
Sayın K., Karakaş D., Karakuş N., Erkan Kariper S., Alagoz Sayın T.  
II. International Turkish Congress on Molecular Spectroscopy, Antalya, Türkiye, 13 - 18 Eylül 2015
- XLV. **Makrosiklik schiff baz ligandlı çinko II kompleksleri üzerine hesaplamalı kimya çalışmaları**  
SAYIN K., KARAKAŞ D., KARAKUŞ N., ERKAN KARİPER S., ALAGÖZ SAYIN T.  
2. ULUSAL HESAPLAMALI KİMYA KONGRESİ, Türkiye, 2 - 05 Haziran 2015
- XLVI. **Alkin birimli pridil ligantlarıyla köprülenmiş iki çekirdekli metal karboniller üzerine kuantum kimyasal çalışmalar**  
KARAKAŞ D., ERKAN KARİPER S., SAYIN K.  
Kafkas Üniversitesi, 2. Ulusal Hesaplamalı Kimya Kongresi, Türkiye, 2 - 05 Haziran 2015
- XLVII. **Bipridin ve pridil primidin 4 karboksilik asit temelli ligantları içeren Ru II komplekslerinin yapısal ve antitümör özellikleri üzerine teorik çalışma**  
KARAKAŞ D., SAYIN K., SULTAN E. K.  
Mersin Üniversitesi, V. Ulusal Anorganik Kimya Kongresi, Türkiye, 22 - 25 Nisan 2015
- XLVIII. **Bazı çinko II komplekslerinin biyolojik aktiflik sıralamasının hesaplamalı yöntemlerle belirlenmesi**  
Sayın K., Sultan E. K., Tuba A. S., Karakaş D.  
Mersin Üniversitesi, V. Ulusal Anorganik Kimya Kongresi, Türkiye, 22 - 25 Nisan 2015
- XLIX. **Metansülfonilhidrazon temelli krompentakarbonil kompleksleri üzerine yapısal spektroskopik ve aktivite hesaplamaları**  
SULTAN E. K., SAYIN K., KARAKAŞ D.  
Mersin Üniversitesi, V. Ulusal Anorganik Kimya Kongresi, Türkiye, 22 - 25 Nisan 2015
- L. **Bazı B laktam inhibitörler üzerine kuantum kimyasal çalışmalar**

ERKAN KARİPER S., SAYIN K., KARAKAŞ D.

V. Ulusal Anorganik Kimya Kongresi, Türkiye, 22 - 25 Nisan 2015

- LI. **Yoğunluk fonksiyon teori metoduyla  $MgO_2Ti_2$  OPri 6  $MgO_2Ti_2$  OPri 2 Acac 4 ve  $MgO_2Ti_2$  OPri 2 bzac 4 kompleksleri üzerine hesapsal çalışmalar**  
Sayın K., Karakaş D., Sultan E. K.  
Mersin Üniversitesi, V. Ulusal Anorganik Kimya Kongresi, Türkiye, 22 - 25 Nisan 2015
- LII. **Bazı lactam inhibitörleri üzerine kuantum kimyasal çalışmalar**  
SULTAN E. K., SAYIN K., KARAKAŞ D.  
Mersin Üniversitesi, V. Ulusal Anorganik Kimya Kongresi, Türkiye, 22 - 25 Nisan 2015
- LIII. **Bipiridin ve pridil primidin 4 karboksilik asit temelli ligantları içeren Ru II komplekslerinin yapısal ve antitümör özellikleri üzerine teorik çalışma**  
KARAKAŞ D., SAYIN K., ERKAN KARİPER S.  
V. Ulusal Anorganik Kimya Kongresi, Türkiye, 22 - 25 Nisan 2015
- LIV. **The Investigation of Corrosion Inhibition Efficiency on Some Benzaldehyde Thiosemicarbazones and Their Thiole Tautomers Computational Study**  
KARAKUŞ N., SAYIN K.  
XI. Kimyasal Fizik Kongresi Piri Reis Üniversitesi, 17 - 18 Ekim 2014
- LV. **Oksimato köprülü trans platin II kompleksi üzerine kuantum kimyasal çalışmalar**  
SAYIN K., KARAKAŞ D., ERKAN KARİPER S.  
4. Fiziksel Kimya Kongresi, Türkiye, 5 - 08 Haziran 2014
- LVI. **Schiff Baz Ligantlı Oksovanadyum IV Komplekslerinin Antidiyabetik Aktivitesi Üzerine Elektronik Yapı Etkisinin Teorik Olarak Araştırılması**  
KARAKAŞ D., ERKAN KARİPER S., SAYIN K.  
1. Hesaplamalı Kimya Çalıştayı, Türkiye, 29 - 31 Mayıs 2014
- LVII. **Platin II oksim kompleksinin  $^{13}C$  ve  $^1H$  NMR spektrumlarının hesaplamalı kimya yöntemleriyle incelenmesi**  
KARAKAŞ D., SAYIN K., ERKAN KARİPER S.  
1. Hesaplamalı Kimya Çalıştayı, Türkiye, 29 - 31 Mayıs 2014
- LVIII. **DFT Yöntemiyle Ni NQSC 2 ve Ni NQTS 2 Komplekslerinin Yapısal ve Elektronik Özelliklerinin Belirlenmesi**  
SAYIN K., KARAKAŞ D.  
4. Ulusal Anorganik Kimya Kongresi, Türkiye, 30 Mayıs - 02 Haziran 2013
- LIX. **Co ntb pic Kompleks İyonu Üzerine Kuantum Kimyasal Çalışmalar**  
SAYIN K., KARAKAŞ D.  
4. Ulusal Anorganik Kimya Kongresi, Türkiye, 30 Mayıs - 02 Haziran 2013
- LX. **HF Yöntemiyle Kükürt Dioksit Oluşum Tepkimesinin İncelenmesi ve Sıcaklık Etkisinin Araştırılması**  
SAYIN K., KARAKAŞ D.  
4. Ulusal Anorganik Kimya Kongresi, Türkiye, 30 Mayıs - 02 Haziran 2013
- LXI. **The investigation of inhibition efficiency some imidazole derivatives against iron with quantum chemical methods**  
ERKAN KARİPER S., SAYIN K., KARAKAŞ D.  
10. Kimyasal Fizik Kongresi, 10 - 12 Ekim 2012
- LXII. **Theoretical studies on zinc complexes with schiff base ligand**  
SAYIN K., ERKAN KARİPER S., KARAKAŞ D.  
10. Kimyasal Fizik Kongresi, 10 - 12 Ekim 2012
- LXIII. **DFT structural studies on copper(II) complexes with symmetric and unsymmetric tripodal tetramine ligands**  
ERKAN KARİPER S., SAYIN K., KARAKAŞ D.  
10. Kimyasal Fizik Kongresi, 10 - 12 Ekim 2012
- LXIV. **Quantum chemical studies on the corrosion inhibition of  $CrO_4^{2-}$ ,  $MoO_4^{2-}$  and  $NO_3^-$**   
SAYIN K., KARAKAŞ D., ERKAN KARİPER S.



10. Kimyasal Fizik Kongresi, 10 Ekim 2012

**LXV. Theoretical Studies on Zinc Complexes with Schiff Base Ligand**

SAYIN K., ERKAN KARİPER S., KARAKAŞ D.

Chemical Physics Congress X, 10 - 12 Ekim 2012

**LXVI. The Investigation of Inhibition Efficiency Some Imidazole Derivatives Against Iron With Quantum Chemical Methods**

ERKAN KARİPER S., SAYIN K., KARAKAŞ D.

Chemical Physics Congress X, 10 - 12 Ekim 2012

## Desteklenen Projeler

SAYIN K., Yükseköğretim Kurumları Destekli Proje, B8N8Nanokafesinin Farklı Nokta Gruplarındaki Yapıların Belirlenmesi ve Vasküler Endotelyal Büyüme Faktörü Reseptörü 2 (VEGFR2) ile Etkileşimlerinin İncelenmesi, 2019 - Devam Ediyor

SAYIN K., Yükseköğretim Kurumları Destekli Proje, Hesaplamalı Kimya Yöntemleriyle Proton Pompa İnhibitörleri Olarak Kullanılan Pantaprazol, Esomeprazol, Lansoprazol, Omeprazol ve Rabeprazolün Yapısal, Elektronik Özelliklerinin ve Hepatosellüler Kansere (HCC) Karşı Etkisinin Araştırılması, 2018 - Devam Ediyor

Sayın K., TÜBİTAK Projesi, p38-MAPK İnhibitörü Olarak Yeni Diaril Üre Sentezi: Mide Kanseri İlaç Tasarımı, 2022 - 2025

Sayın K., Ersöz M., Öksüz K. E., Oskay K. O., TÜBİTAK Projesi, Elektoredüksiyon Yöntemi İle Atık Kurşun Pastanın Geri Dönüşümü Proje No: 122M066, 2022 - 2024

Sayın K., Ataseven H., Taş A., Keklikcioğlu N., Tüzün B., Gezegen H., Özkaraca M., Görgülü A. O., Kanbur M., Keklikcioğlu Çakmak N., TÜBİTAK Projesi, Yeni Tip Benzamidlerin Sentezi İle Histon Deasetilaz (Hdac) İnhibitörü Olarak Mide Kanseri İlaç Tasarımı, 2021 - 2024

Keklikcioğlu Çakmak N., Ataseven H., Sayın K., Gezegen H., Altun A., Doğan H. O., Ergül M., Taş A., Özer H., Koç S., et al.,

Yükseköğretim Kurumları Destekli Proje, DENEYSEL MİDE KANSERİ OLUŞTURULAN NUDE FARELERDE VEGFR2 HEDEFLİ YENİ İLAÇ MOLEKÜLLERİNİN ETKİNLİĞİNİN İN SİLİKO, İN VİTRO VE İN VİVO ARAŞTIRILMASI, 2020 - 2023

Ergül M., Ataseven H., Sayın K., Yükseköğretim Kurumları Destekli Proje, Hesaplamalı Kimya Yöntemleriyle Proton Pompa İnhibitörleri Olarak Kullanılan Pantaprazol, Esomeprazol, Lansoprazol, Omeprazol ve Rabeprazolün Yapısal, Elektronik Özelliklerinin ve Hepatosellüler Kansere (HCC) Karşı Etkisinin Araştırılması, 2018 - 2021

Üngördü A., Sayın K., Yükseköğretim Kurumları Destekli Proje, Flavonoid Baisalin ve Oksovanadyu(IV) Komplekslerinin Hesaplamalı Kimya Yöntemleriyle Yapısal, Spektral ve Biyolojik Özelliklerinin Araştırılması, 2018 - 2019

ÜNGÖRDÜ A., SAYIN K., Yükseköğretim Kurumları Destekli Proje, Flavonoid Baisalin ve Oksovanadyum(IV)

Komplekslerinin Hesaplamalı Kimya Yöntemleriyle Yapısal, Spektral ve Biyolojik Özelliklerinin Araştırılması, 2018 - 2019

SAYIN K., Yükseköğretim Kurumları Destekli Proje, Mer-[Ru(Cl-Ph-tpy)(N-N)(X)] Tipi Rutenyum (II) Komplekslerinin Yapısal, Elektronik ve Antikanser Özelliklerinin Hesaplamalı Kimya Yöntemleriyle Araştırılması, 2017 - 2018

SAYIN K., Yükseköğretim Kurumları Destekli Proje, Mono- ve Bis-N-Heterosiklik Karbenli Ag(I) ve Pd(II) Komplekslerinin Yapısal, Spektral ve Antikanser Özelliklerinin Hesaplamalı Kimya Yöntemleriyle İncelenmesi, 2017 - 2018

Karakaş D., Sayın K., Yükseköğretim Kurumları Destekli Proje, Beş verici azot atomuna sahip makrosiklik Schiff baz ligandını içeren kompleksler üzerine kuantum kimyasal çalışmalar, 2016 - 2017

SAYIN K., Yükseköğretim Kurumları Destekli Proje, Beş verici azot atomuna sahip makrosiklik Schiff baz ligandını içeren kompleksler üzerine kuantum kimyasal çalışmalar, 2016 - 2017

SAYIN K., Yükseköğretim Kurumları Destekli Proje, Hesaplamalı Kimya Yöntemleriyle Bazı Bor Komplekslerinin Yapısal ve Elektronik Özelliklerinin İncelenmesi, 2016 - 2017

ÜNGÖRDÜ A., KARAKUŞ N., SAYIN K., Yükseköğretim Kurumları Destekli Proje, Mono ve Bis Azo Naftilamin Boyalarının Hesaplamalı Kimya Yöntemleriyle Korozyon İnhibisyon Etkinliklerinin Belirlenmesi, 2016 - 2016

Karakaş D., Sayın K., Yükseköğretim Kurumları Destekli Proje, Makrosiklik Schiff baz ligandını içeren çinko II kompleksleri üzerine kuantum kimyasal çalışmalar, 2014 - 2016

SAYIN K., Yükseköğretim Kurumları Destekli Proje, Makrosiklik Schiff Baz Ligandını İçeren Çinko II Kompleksleri Üzerine Kuantum Kimyasal Çalışmalar, 2014 - 2016

Karakaş D., Sayın K., Erkan S., Yükseköğretim Kurumları Destekli Proje, 2-pridil 2-primidin-4-karboksilik asit ligantlarını

içeren Ru II komplekslerinin antitümör özellikleri üzerine teorik çalışma, 2014 - 2015

SAYIN K., Yükseköğretim Kurumları Destekli Proje, 2 pridin 2 primidin 4 karboksilik asit ligantlarını içeren Ru II komplekslerinin antitümör özellikleri üzerine teorik çalışma, 2014 - 2015

Karakaş D., Sayın K., Yükseköğretim Kurumları Destekli Proje, Hesaplamalı kimya yöntemleri ile bazı platin II oksim komplekslerinin moleküler yapısının ve moleküler özelliklerinin araştırılması, 2013 - 2014

SAYIN K., Yükseköğretim Kurumları Destekli Proje, Hesaplamalı kimya yöntemleri ile bazı platin II oksim komplekslerinin moleküler yapısının ve moleküler özelliklerinin araştırılması, 2013 - 2014

Karakaş D., Sayın K., Yükseköğretim Kurumları Destekli Proje, [Co(ntb)(pic)] ve [Co(ntb)(nic)] komplekslerinin yoğunluk fonksiyon teori DFT yöntemleriyle incelenmesi, 2012 - 2013

SAYIN K., TÜBİTAK Projesi, Biyomedikal Malzeme Taşıma Kutularında Kullanılacak Faz Değiştiren Madde Karışımlarının Geliştirilmesi (TÜBİTAK 2209 Üniversite öğrencileri yurt içi / yurt dışı araştırma projeleri destekleme programı), 2008 - 2009

## **Metrikler**

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Atf (WoS): 855

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## **Akademi Dışı Deneyim**

Başergün Boya ve Kimya Sanayi A.Ş.