

## Doç.Dr. KORAY SAYIN

### Kişisel Bilgiler

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### 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

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

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

### Mesleki Deneyim

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

Erasmus Koordinatörü, 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. **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 İndekslerine Giren Dergi)
- II. **Experimental and computational studies of di-mu-chlorido-bis[chlorido(1,10-phenanthroline-(KN)-N-2,N ')nickel(II)] NiCl<sub>2</sub>(H<sub>2</sub>O)(C<sub>12</sub>N<sub>2</sub>H<sub>8</sub>): 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 İndekslerine Giren Dergi)
- III. **Scale factor database for the vibration frequencies calculated in M06-2X, one of the DFT methods**  
ÜNAL Y., Nassif W., Özyaydin B. C. , SAYIN K.  
Vibrational Spectroscopy, cilt.112, 2021 (SCI Expanded İndekslerine Giren Dergi)
- IV. **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 İndekslerine Giren Dergi)
- V. **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 İndekslerine Giren Dergi)
- VI. **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 İndekslerine Giren Dergi)
- VII. **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 İndekslerine Giren Dergi)
- VIII. **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 İndekslerine Giren Dergi)
- IX. **How do arbidol and its analogs inhibit the SARS-CoV-2?**  
Aktas A., Tuzun B., Kafa T. A. H. , Sayin K., Ataseven H.  
BRATISLAVA MEDICAL JOURNAL-BRATISLAVSKE LEKARSKE LISTY, cilt.121, sa.10, ss.705-711, 2020 (SCI İndekslerine Giren Dergi)

- X. **Structural, spectral characterization and molecular docking analyses of mer-ruthenium (II) complexes containing the bidentate chelating ligands**  
Erkan S., Kaya S., Sayın K., Karakaş D.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, cilt.224, 2020 (SCI İndekslerine Giren Dergi)
- XI. **Quantum chemical calculations on sparfloxacin and boron complexes**  
ÜNGÖRDÜ A., SAYIN K.  
CHEMICAL PHYSICS LETTERS, cilt.733, 2019 (SCI İndekslerine Giren Dergi)
- XII. **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 İndekslerine Giren Dergi)
- XIII. **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 İndekslerine Giren Dergi)
- XIV. **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 İndekslerine Giren Dergi)
- XV. **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 İndekslerine Giren Dergi)
- XVI. **The Different Effects of Metal Ions on the Synthesis of Macroacyclic Compounds: X-ray Crystal Structure, Theoretical Studies, Antibacterial and Antifungal Activities**  
Rezaeiyla 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 İndekslerine Giren Dergi)
- XVII. **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 İndekslerine Giren Dergi)
- XVIII. **Investigations of structural, spectral, electronic and biological properties of N-heterocyclic carbene Ag(I) and Pd(II) complexes**  
Sayın K., Kariper S. E., Tastan M., Sayin T. A., Karakaş D.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1176, ss.478-487, 2019 (SCI İndekslerine Giren Dergi)
- XIX. **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 İndekslerine Giren Dergi)
- XX. **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 İndekslerine Giren Dergi)
- XXI. **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 İndekslerine Giren Dergi)

- XXII. **Half-sandwich Ruthenium(II) arene complexes bearing the azo-azomethine ligands: Electrochemical, computational, antiproliferative and antioxidant properties**  
Inan A., Sunbul A. B. , İkiz 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 İndekslerine Giren Dergi)
- XXIII. **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 İndekslerine Giren Dergi)
- XXIV. **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 İndekslerine Giren Dergi)
- XXV. **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 İndekslerine Giren Dergi)
- XXVI. **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 İndekslerine Giren Dergi)
- XXVII. **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 İndekslerine Giren Dergi)
- XXVIII. **Antiproliferative, antioxidant, computational and electrochemical studies of new azo-containing Schiff base ruthenium(II) complexes**  
Inan A., İkiz 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 İndekslerine Giren Dergi)
- XXIX. **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 İndekslerine Giren Dergi)
- XXX. **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 İndekslerine Giren Dergi)
- XXXI. **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 İndekslerine Giren Dergi)
- XXXII. **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 İndekslerine Giren Dergi)
- XXXIII. **Determination of structural, spectral, electronic and biological properties of tosufloxacin boron complexes and investigation of substituent effect**  
SAYIN K., KARAKAŞ D.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1146, ss.191-197, 2017 (SCI İndekslerine Giren Dergi)
- XXXIV. **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 İndekslerine Giren Dergi)
- XXXV. **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 İndekslerine Giren Dergi)
- XXXVI. **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 İndekslerine Giren Dergi)
- XXXVII. **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 İndekslerine Giren Dergi)
- XXXVIII. **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 İndekslerine Giren Dergi)
- XXXIX. **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 İndekslerine Giren Dergi)
- XL. **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 İndekslerine Giren Dergi)
- XLI. **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 İndekslerine Giren Dergi)
- XLII. **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 İndekslerine Giren Dergi)
- XLIII. **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 İndekslerine Giren Dergi)
- XLIV. **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 İndekslerine Giren Dergi)
- XLV. **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 İndekslerine Giren Dergi)

- XLVI. **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 İndekslerine Giren Dergi)
- XLVII. **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 İndekslerine Giren Dergi)
- XLVIII. **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 İndekslerine Giren Dergi)
- XLIX. **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 İndekslerine Giren Dergi)
- L. **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 İndekslerine Giren Dergi)
- LI. **The investigation of the solvent effect on coordination of nicotinato ligand with cobalt(II) complex containing tris(2-benzimidazolymethyl) amine: A computational study**  
SAYIN K., KARAKAŞ D.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1076, ss.244-250, 2014 (SCI İndekslerine Giren Dergi)
- LII. **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 İndekslerine Giren Dergi)
- LIII. **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]diazenyl)benzaldehyde**  
Eren T., KÖSE M., SAYIN K., McKee V., KURTOĞLU M.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1065, ss.191-198, 2014 (SCI İndekslerine Giren Dergi)
- LIV. **Quantum chemical studies on the some inorganic corrosion inhibitors**  
SAYIN K., KARAKAŞ D.  
CORROSION SCIENCE, cilt.77, ss.37-45, 2013 (SCI İndekslerine Giren Dergi)
- LV. **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 İndekslerine Giren Dergi)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **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 (Diğer Kurumların Hakemli Dergileri)
- II. **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 (Diğer Kurumların Hakemli Dergileri)
- III. **A Study of New benzo[d]thiazol Derivatives as Corrosion Inhibitors for Steel AISI 1035 in Acidic**

JAFARI H., MOHSENFAR F., SAYIN K.

Moroccan Journal of Chemistry, cilt.7, sa.1, ss.36-47, 2019 (Diğer Kurumların Hakemli Dergileri)

- IV. **Determination 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 (Diğer Kurumların Hakemli Dergileri)
- V. **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 (Diğer Kurumların Hakemli Dergileri)
- VI. **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 (Diğer Kurumların Hakemli Dergileri)
- VII. **Measuring Adsorption Behavior and Corrosion Inhibition of Trans and Cis of Di-(3-hydroxybenzaldehyde)-1,2-diaminocyclohexane**  
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I. **Proton Pompa İnhibitörlerinin Kimyası**

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## **Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar**

I. **A comparative theoretical and spectroscopic study of aminomethylbenzoic acid derivatives as potential NLO candidates**

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III. **MOLECULAR DOCKING ANALYSES BETWEEN SAUCHINONE ANDQUERCETIN AGAINST EPIDERMAL GROWTH FACTOR RECEPTOR IN LUNG CANCER**

Özaydın B. C. , SAYIN K., ATASEVEN H.

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IV. **INVESTIGATIONS OF ANTICANCER PROPERTIES OF TWOANTIOXIDANT COMPOUNDS, (2R)-3-(3,4-**



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## **Atıflar**

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