

# Prof. GÜNEŞ SÜHEYL KÜRKÇÜOĞLU

## Personal Information

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## International Researcher IDs

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Publons / Web Of Science ResearcherID: JVM-8726-2024

Yoksis Researcher ID: 6834

## Education Information

Doctorate, Eskişehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Fizik (Dr), Turkey 1992 - 1997

Postgraduate, Anadolu University, Institute Of Science, Atom Ve Molekül Fiziği (YI) (Tezli), Turkey 1989 - 1992

Undergraduate, Fırat University, Faculty Of Arts And Sciences, Fizik Pr., Turkey 1984 - 1989

## Dissertations

Doctorate, N,N-Dimetiltiyoforamid Metal(II) Tetrasiyanonik Komplekslerinin Infrared Spektroskopik Bölgesinde İncelenmesi, Eskişehir Osmangazi University, FEN BİLİMLERİ ENSTİTÜSÜ, Fizik (Dr), 1997

Postgraduate, N,N dimetilasetamid tetrasiyanonik komplekslerinin IR spektroskopik bölgesinde incelenmesi, Anadolu University, Fen Bilimleri Enstitüsü, Atom Ve Molekül Fiziği (YI) (Tezli), 1992

## Research Areas

Physics, Atomic and Molecular Physics, Atomic and Molecular Interactions, Infrared Spectroscopy, Raman Spectroscopy, Spectroscopical Methods, Polymeric Complexes, Spectroscopy

## Academic Titles / Tasks

Professor, Eskişehir Osmangazi University, FEN FAKÜLTESİ, FİZİK BÖLÜMÜ, 2015 - Continues

Associate Professor, Eskişehir Osmangazi University, FEN FAKÜLTESİ, FİZİK BÖLÜMÜ, 2010 - 2015

Assistant Professor, Eskişehir Osmangazi University, FEN FAKÜLTESİ, FİZİK BÖLÜMÜ, 1997 - 2010

Research Assistant, Eskişehir Osmangazi University, FEN FAKÜLTESİ, FİZİK BÖLÜMÜ, 1993 - 1997

Research Assistant, Anadolu University, Faculty Of Science, Department Of Physics, 1990 - 1993

## Academic and Administrative Experience

Head of Department, Eskişehir Osmangazi University, FEN FAKÜLTESİ, FİZİK BÖLÜMÜ, 2016 - Continues

Head of Department, Eskişehir Osmangazi University, FEN FAKÜLTESİ, FİZİK BÖLÜMÜ, 2021 - 2024

Ethics Committee Member, Eskisehir Osmangazi University, FEN FAKÜLTESİ, FİZİK BÖLÜMÜ, 2020 - 2023  
Doçentlik Ön İnceleme Komisyonu, Eskisehir Osmangazi University, FEN FAKÜLTESİ, FİZİK BÖLÜMÜ, 2017 - 2019  
Deputy Director of the Center, Eskisehir Osmangazi University, FEN FAKÜLTESİ, FİZİK BÖLÜMÜ, 2015 - 2018  
Head of Department, Eskisehir Osmangazi University, FEN FAKÜLTESİ, FİZİK BÖLÜMÜ, 2013 - 2016  
Head of Department, Eskisehir Osmangazi University, FEN FAKÜLTESİ, FİZİK BÖLÜMÜ, 2010 - 2013  
Deputy Head of Department, Eskisehir Osmangazi University, FEN FAKÜLTESİ, FİZİK BÖLÜMÜ, 2011 - 2012  
Head of Department, Eskisehir Osmangazi University, FEN FAKÜLTESİ, FİZİK BÖLÜMÜ, 2004 - 2007  
Deputy Head of Department, Eskisehir Osmangazi University, FEN FAKÜLTESİ, FİZİK BÖLÜMÜ, 2005 - 2006

## Courses

SPECTROSCOPIC METHODS IN PHYSICS, Postgraduate, 2022 - 2023  
STATISTICAL MECHANICS AND ITS APPLICATIONS, Doctorate, 2022 - 2023  
MOLECULAR SPECTROSCOPY I, Undergraduate, 2022 - 2023  
Atom and Molecular Physics I, Undergraduate, 2022 - 2023  
MODERN KUANTUM MEKANIĞI, Postgraduate, 2021 - 2022  
SCIENTIFIC RESEARCH METHODS AND ETHICS, Postgraduate, 2021 - 2022  
MODERN FİZİK LABORATUVARI, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019  
MODERN FİZİK, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019  
MODERN KUANTUM MEKANIĞI, Postgraduate, 2020 - 2021  
İLERİ MOLEKÜL FİZİĞİ, Doctorate, 2019 - 2020, 2018 - 2019, 2017 - 2018  
MOLEKÜLER MODELLEME, Doctorate, 2019 - 2020, 2018 - 2019, 2017 - 2018  
KUANTUM KİMYASAL HESAPLAMALAR, Doctorate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2013 - 2014  
FİZİK-II LABORATUVARI, Undergraduate, 2017 - 2018  
ATOM VE MOLEKÜL FİZİĞİ-I, Undergraduate, 2017 - 2018, 2016 - 2017  
FİZİK-I LABORATUVARI, Undergraduate, 2017 - 2018  
ATOM VE MOLEKÜL FİZİĞİ-II, Undergraduate, 2017 - 2018, 2016 - 2017  
FİZİK-II, Undergraduate, 2017 - 2018  
FİZİK-I, Undergraduate, 2017 - 2018  
FİZİKTE SPEKTROSKOPİK YÖNTEMLER, Postgraduate, 2017 - 2018, 2016 - 2017  
KUANTUM İSTATİSTİĞİ, Doctorate, 2016 - 2017, 2015 - 2016  
KUANTUM FİZİĞİ II, Undergraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013  
KUANTUM FİZİĞİ-I, Undergraduate, 2014 - 2015, 2013 - 2014, 2012 - 2013

## Advising Theses

Kürkçüoğlu G. S., Optimization of Cu(In,Ga)Se<sub>2</sub> Films Produced by Magnetron Sputtering Technique for Solar Cell Applications , Doctorate, E.ENÖNLÜ(Student), Continues  
Kürkçüoğlu G. S., The Synthesis of Some Transition Metals and Hexacyanomethalate Complexes with Pyridine Derived Ligands, Investigation of Structural Properties and Some Applications, Doctorate, S.KEKEÇ(Student), Continues  
Kürkçüoğlu G. S., Synthesis, Characterization, and Investigation of Catalyst Properties of Bimetallic (Cu/Ni, Cu/Pd, Cu/Pt, Zn/Pd and Cd/Pd) Cyanide Complexes with Imidazole Ligand Ligandı ile İki Metalli (Cu/Ni, Cu/Pd, Cu/Pt, Zn/Pd ve Cd/Pd) Siyanür Komplekslerinin Sentezi, Karakterizasyonu ve Katalizör Özelliklerinin İncelenmesi, Postgraduate, T.MWANZA(Student), 2022  
Kürkçüoğlu G. S., Pvc profil hamuru üretiminde kullanıma uygun termal ve uv dayanımı yüksek olan yeni nesil stabilizör ve katkı malzemelerinin araştırılması, Doctorate, İ.KAVLAK(Student), 2019  
Kürkçüoğlu G. S., 1,2-dimetilimidazol molekülünün ve metal komplekslerinin yapısal, titreşimsel ve elektronik geçiş enerjilerinin deneysel ve teorik olarak incelenmesi, Postgraduate, B.KINIK(Student), 2019  
Kürkçüoğlu G. S., Bazı geçiş metallerinin [ni(II), cu(II), zn(II) ve cd(II)] 2-etilimidazol ligandı ile tetrasiyanometalat(II) [ni,

pd, pt] komplekslerinin sentezi, spektral ve yapısal özelliklerinin incelenmesi, Postgraduate, T.YAVUZ(Student), 2019

Kürkçüoğlu G. S., Bazı geçiş metallerinin 2-piridinetanol ve 2-piridinmetanol ligantları ile siyanür komplekslerinin sentezi ve yapısal özelliklerinin incelenmesi, Doctorate, E.SAYIN(Student), 2015

Kürkçüoğlu G. S., 3-metilpiridazin ile siyanür köprülü iki boyutlu (2D) koordinasyon polimerlerinin sentezi ve yapısal özelliklerinin araştırılması, Postgraduate, K.GÖR(Student), 2014

Kürkçüoğlu G. S., Bazı geçiş metallerinin (Ni(II), Cu(II), Zn(II) ve Cd(II)) 1-etilimidazol ligantı ile tetraşyanometalat(II) (Ni(II), Pd(II), Pt(II)) komplekslerinin sentezi ve yapısal özelliklerinin incelenmesi, Postgraduate, F.ÇETİNKAYA(Student), 2013

Kürkçüoğlu G. S., Bazı geçiş metalleri ile siyanür komplekslerinin sentezi, spektroskopik, termal ve yapısal özelliklerinin incelenmesi, Doctorate, D.KARAAĞAÇ(Student), 2013

Kürkçüoğlu G. S., Bazı geçiş metalleri ile karışık ligantlı [N,N-dimetiletilediamin ve N,N-dietiletilediamin] tetraşyanometalat(II) [metal: Ni, Pd] komplekslerinin sentezi, spektroskopik, termal ve yapısal özelliklerinin araştırılması, Postgraduate, M.AKSEL(Student), 2011

Kürkçüoğlu G. S., 1-metilimidazol ligantı içeren çift çekirdekli iki boyutlu bakır(II), çinko(II) ve kadmiyum(II)? tetraşyanonikelat(II) komplekslerinin sentezi, spektroskopik ve yapısal özelliklerinin araştırılması, Postgraduate, İ.KAVLAK(Student), 2010

Kürkçüoğlu G. S., Bazı geçiş metallerinin karışık ligantlı (1-metilimidazol ve 2-metilimidazol) tetraşyanopaladat(II) komplekslerinin sentezi, spektroskopik, termik ve yapısal özelliklerinin araştırılması, Postgraduate, İ.ÇAYLI(Student), 2010

Kürkçüoğlu G. S., Bazı Hofmann-Td-tipi konak-konuk bileşiklerinin infrared spektroskopisiyle incelenmesi, Postgraduate, K.CANOĞLU(Student), 2006

Kürkçüoğlu G. S., Konak-konut bileşiklerinin spektroskopik yöntemlerle incelenmesi, Postgraduate, A.ŞENTÜRK(Student), 2005

Kürkçüoğlu G. S., Hofmann-diam-tipi konak-konuk bileşiklerinin infrared spektroskopisiyle incelenmesi, Postgraduate, A.KANAT(Student), 2005

Kürkçüoğlu G. S., Gaussian programı ile 4-metilpiridin molekülünün infrared frekans ve şiddetlerinin hesaplanması, Postgraduate, İ.GÜRAY(Student), 2004

Kürkçüoğlu G. S., Hofmann-en-tipi klatratların kırmızı altı spektroskopik bölgesinde incelenmesi;  $M(1,2\text{-diaminoethane})_mNi(CN)_4.nG$ ; ( $M=Cd$  veya  $Ni$ ;  $m=1$  veya  $2$   $G$ =aromatik konuk moleküller), Postgraduate, S.PAT(Student), 2001

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

- I. **Heteronuclear cadmium(II)/cobalt(III) cyanide coordination polymers with 1-methylimidazole and 1-ethylimidazole ligands: synthesis, characterization and catalytic activities**  
KÜRKCÜOĞLU G. S., Kekeç S., YEŞİLEL O. Z., Gökkuş K., Ünver H., Şahin O.  
Inorganica Chimica Acta, vol.574, 2025 (SCI-Expanded)
- II. **Heteronuclear coordination polymers with imidazole ligand: Synthesis, characterization and alcohol oxidation activities**  
KÜRKCÜOĞLU G. S., YEŞİLEL O. Z., Mwanza T., Kekeç S., Ünver H., Şahin O.  
Polyhedron, vol.264, 2024 (SCI-Expanded)
- III. **Synthesis, characterization and crystal structures of heteronuclear coordination polymers with 4-methylpyridine**  
Kekeç S., KÜRKCÜOĞLU G. S., ŞAHİN O., YEŞİLEL O. Z.  
STRUCTURAL CHEMISTRY, vol.35, no.5, pp.1365-1373, 2024 (SCI-Expanded)
- IV. **1D heteronuclear coordination polymers of hexacyanocobaltate(III) with 2-hydroxymethylpyridine**  
Kekeç S., Süheyla Kürkcüoğlu G. S., Zafer Yeşilel O., Şahin O.  
Polyhedron, vol.260, 2024 (SCI-Expanded)
- V. **Spectroscopic and Thermal Study of the Cyanide-Bridged Heteronuclear Compounds  $[Cd(NH_3)(\mu\text{-}3\text{-Aminomethylpyridine})M(\mu\text{-}CN)_4]N$  [M: Pd(II) or Pt(II)]**

Karaağaç D., KÜRKÇÜOĞLU G. S.

Journal of Applied Spectroscopy, vol.91, no.4, pp.835-843, 2024 (SCI-Expanded)

- VI. **Syntheses, crystal structures, spectroscopic and thermal properties of 3D heteronuclear coordination polymers with 4-ethylpyridine and cyanide ligands**  
Kekeç S., Kürkçüoğlu G. S., Yeşilel O. Z., Şahin O.  
Structural Chemistry, vol.35, no.4, pp.1075-1083, 2024 (SCI-Expanded)
- VII. **Heteronuclear Hexacyanometallate(III) Coordination Polymers (Cd/Cr, Cd/Fe, Cd/Co) with 3-(Aminomethyl)pyridine: Synthesis, Characterization, and Catalytic Activities for the Peroxidative Oxidation of Benzylic Alcohols**  
Kekeç S., Kürkçüoğlu G. S., Ünver H., Şahin O., Yeşilel O. Z.  
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.34, no.3, pp.1081-1091, 2024 (SCI-Expanded)
- VIII. **Synthesis, crystal structure and spectroscopic investigations of heteronuclear Co(III)/Cu(II), Co(III)/Cd(II) and Fe(III)/Cd(II) 3D coordination polymers with 4-(2-aminoethyl)pyridine**  
Kürkçüoğlu G. S., Yeşilel O. Z., Kekeç S., Şahin O.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1274, no.1, pp.1-31, 2023 (SCI-Expanded)
- IX. **Syntheses and characterizations of two-dimensional heteronuclear tetracyanonickelate(II) complexes with 4-ethylpyridine and investigation of the catalytic activity of [Cd(4epy)2Ni(μ-CN)4]n**  
KÜRKÇÜOĞLU G. S., YEŞİLEL O. Z., Kekeç S., Ünver H., Şahin O.  
Journal of Coordination Chemistry, vol.76, no.16-24, pp.1802-1816, 2023 (SCI-Expanded)
- X. **Synthesis, spectroscopic, structural characterizations, and catalytic properties of cyanide-bridged heteronuclear metal organic frameworks with imidazole**  
Mwanza T., KÜRKÇÜOĞLU G. S., Ünver H., Şahin O., YEŞİLEL O. Z.  
JOURNAL OF SOLID STATE CHEMISTRY, vol.314, 2022 (SCI-Expanded)
- XI. **Nine new tetracyanometallate(II) complexes with 2-(2-aminoethyl)pyridine: synthesis, crystal structures and spectroscopic studies**  
Kürkçüoğlu G. S., Yeşilel O. Z., Sayın E., Şahin O.  
Journal of Coordination Chemistry, vol.75, no.9-10, pp.1352-1373, 2022 (SCI-Expanded)
- XII. **Unprecedented deca-, penta- and poly-heteronuclear complexes with hexacyanometallates and 2-(hydroxymethyl)pyridine**  
Sayın E., KÜRKÇÜOĞLU G. S., YEŞİLEL O. Z., Şahin O.  
POLYHEDRON, vol.210, 2021 (SCI-Expanded)
- XIII. **Coexistence of spin canting and metamagnetism in a one-dimensional mn(II) compound bridged by alternating double end-to-end and double end-on azido ligands and the analog co(II) compound**  
Benamara N., Setifi Z., Yang C., Bernès S., Geiger D. K., Kürkçüoğlu G. S., Setifi F., Reedijk J.  
Magnetochemistry, vol.7, no.4, 2021 (SCI-Expanded)
- XIV. **Two-Dimensional Heteronuclear Coordination Polymers Constructed by Cyanide and 3-(2-Aminoethyl)pyridine Ligands**  
Kürkçüoğlu G. S., Yeşilel O. Z., Sayın E., Şahin O.  
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.31, no.1, pp.112-120, 2021 (SCI-Expanded)
- XV. **One-dimensional heteronuclear complexes with cyanide and 2-ethylimidazole ligands**  
Kürkçüoğlu G. S., Sayın E., Yavuz T., Şahin O.  
SPECTROSCOPY LETTERS, vol.54, no.1, pp.1-13, 2021 (SCI-Expanded)
- XVI. **Synthesis and structural analysis of heteronuclear hexacyanochromate(III) complex with tris(2-aminoethyl)amine), [Cd(tren)(Htren)][Cr(CN)(6)]center dot 2H(2)O**  
KÜRKÇÜOĞLU G. S., YEŞİLEL O. Z., Sayın E., Enonlu E., ŞAHİN O.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1219, 2020 (SCI-Expanded)
- XVII. **Experimental and theoretical studies on the molecular structures and vibrational spectra of cyanide complexes with 1,2-dimethylimidazole: [M(dmi)(2)Ni(μ-CN)(4)] (M = Cu, Zn or Cd)**  
KÜRKÇÜOĞLU G. S., Kavlak I., Kinik B., ŞAHİN O.

- JOURNAL OF MOLECULAR STRUCTURE, vol.1199, 2020 (SCI-Expanded)
- XVIII. **Synthesis, structure and luminescence properties of zinc and cadmium linear-chain compounds with anionic monoalkoxy-tetracyanopropenes bridged by 4,4'-bipyridines**  
Addala A., Poupon M., Bernes S., KÜRKÇÜOĞLU G. S., Liu X., Lehchili F., Kucerakova M., Dusek M., Setifi F., Setifi Z., et al.  
POLYHEDRON, vol.170, pp.271-277, 2019 (SCI-Expanded)
- XIX. **Investigation of structural analysis and thermostatic properties of thermal and UV stabilizer as organometallic Sn(II), Cu(II) and Cd(II) barbiturate complexes**  
Kavlak I., KÜRKÇÜOĞLU G. S., ŞAHİN O.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1184, pp.418-426, 2019 (SCI-Expanded)
- XX. **Syntheses, crystal structures, spectroscopic properties and thermal decompositions of one dimensional coordination polymers with 4-(2-aminoethyl)pyridine and cyanide ligands:  $[M(\mu\text{-}4\text{aepy})(2)(\text{H}_2\text{O})(2)][M'(\text{CN})(4)]$  ( $M = \text{Cu}$  or  $\text{Zn}$ ,  $M' = \text{Ni}$  or  $\text{Pd}$ )**  
Karaagac D., KÜRKÇÜOĞLU G. S., Senyel M., HÖKELEK T.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1176, pp.641-649, 2019 (SCI-Expanded)
- XXI. **Synthesis, spectroscopic, thermal and structural properties of 4-(2-aminoethyl)pyridinium tetracyanomethylate(II) complexes**  
Karaagac D., KÜRKÇÜOĞLU G. S., ŞENYEL M., ŞAHİN O.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1136, pp.281-287, 2017 (SCI-Expanded)
- XXII. **One-dimensional coordination polymers with 4-(2-aminoethyl) pyridine: Synthesis, crystal structures and spectroscopic properties**  
Karaagac D., KÜRKÇÜOĞLU G. S., ŞENYEL M., ŞAHİN O., HÖKELEK T.  
POLYHEDRON, vol.123, pp.56-61, 2017 (SCI-Expanded)
- XXIII. **Syntheses, structural characterization and spectroscopic studies of cadmium(II)-metal(II) cyanide complexes with 4-(2-aminoethyl)pyridine**  
Karaagac D., KÜRKÇÜOĞLU G. S., ŞENYEL M., HÖKELEK T.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1130, pp.80-88, 2017 (SCI-Expanded)
- XXIV. **One dimensional coordination polymers: Synthesis, crystal structures and spectroscopic properties**  
Karaagac D., KÜRKÇÜOĞLU G. S., ŞENYEL M., ŞAHİN O.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1123, pp.327-334, 2016 (SCI-Expanded)
- XXV. **Synthesis, crystal structure and magnetic property of one-dimensional heterometallic cyanide-bridged complex:  $\{[\text{Cu}(\text{hmpH})(2)\text{Cu}(\text{hmp})(\text{hmpH})\text{Co}(\mu\text{-CN})(4)(\text{CN})(2)]\cdot 2\text{H}_2\text{O}\}_n$**   
Sayin E., KÜRKÇÜOĞLU G. S., YEŞİLEL O. Z., TAŞ M., ÖZTÜRK M., YERLİ Y.  
POLYHEDRON, vol.115, pp.67-75, 2016 (SCI-Expanded)
- XXVI. **Syntheses, spectroscopic and thermal analyses of cyanide bridged heteronuclear polymeric complexes:  $[\text{M}(\text{L})(2)\text{Ni}(\text{CN})(4)]_n$  ( $\text{L} = \text{N}$ -methylethylenediamine or  $\text{N}$ -ethylethylenediamine,  $\text{M} = \text{Ni(II)}$ ,  $\text{Cu(II)}$ ,  $\text{Zn(II)}$  or  $\text{Cd(II)}$ )**  
Karaagac D., KÜRKÇÜOĞLU G. S.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1105, pp.263-272, 2016 (SCI-Expanded)
- XXVII. **SYNTHESES AND CHARACTERIZATIONS OF THE CYANIDE-BRIDGED HETERONUCLEAR POLYMERIC COMPLEXES WITH 2-ETHYLIMIDAZOLE**  
Karaagac D., KÜRKÇÜOĞLU G. S.  
BULLETIN OF THE CHEMICAL SOCIETY OF ETHIOPIA, vol.30, no.2, pp.263-272, 2016 (SCI-Expanded)
- XXVIII. **Cyanide-bridged manganese(II) and chloride-bridged copper(II) complexes with 2-pyridineethanol: synthesis, structural characterization and C-H center dot center dot center dot M interactions**  
Sayin E., KÜRKÇÜOĞLU G. S., YEŞİLEL O. Z., TAŞ M.  
JOURNAL OF COORDINATION CHEMISTRY, vol.69, no.7, pp.1226-1235, 2016 (SCI-Expanded)
- XXIX. **Cyanide bridged hetero-metallic polymeric complexes: Syntheses, vibrational spectra, thermal analyses and crystal structures of complexes  $[\text{M}(1,2\text{-dmi})(2)\text{Ni}(\mu\text{-CN})(4)]_n$  ( $\text{M} = \text{Zn(II)}$  and  $\text{Cd(II)}$ )**  
KÜRKÇÜOĞLU G. S., Sayin E., ŞAHİN O.

- JOURNAL OF MOLECULAR STRUCTURE, vol.1101, pp.82-90, 2015 (SCI-Expanded)
- XXX. **1D cyanide complexes with 2-pyridinemethanol: Synthesis, crystal structures and spectroscopic properties**  
Sayin E., KÜRKÇÜOĞLU G. S., YEŞİLEL O. Z., HÖKELEK T.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1101, pp.73-81, 2015 (SCI-Expanded)
- XXXI. **Vibrational spectra, powder X-ray diffractions and physical properties of cyanide complexes with 1-ethylimidazole**  
KÜRKÇÜOĞLU G. S., Kiraz F. C., Sayin E.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.149, pp.8-16, 2015 (SCI-Expanded)
- XXXII. **Novel Cyanide-Bridged Heterometallic Two-Dimensional Complex of 3-Methylpyridazine: Synthesis, Crystallographical, Vibrational, Thermal and DFT Studies**  
Gor K., Tursun M., Kesan G., KÜRKÇÜOĞLU G. S., Rhyman L., PARLAK C., Ramasami P., YEŞİLEL O. Z., BÜYÜKGÜNGÖR O.  
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.25, no.5, pp.1205-1217, 2015 (SCI-Expanded)
- XXXIII. **Syntheses, crystal structures and spectroscopic properties of copper(II)-tetracyanometallate(II) complexes with nicotinamide and isonicotinamide ligands**  
Sayin E., KÜRKÇÜOĞLU G. S., YEŞİLEL O. Z., HÖKELEK T.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1096, pp.84-93, 2015 (SCI-Expanded)
- XXXIV. **Synthesis, crystal structure and spectroscopic properties of one-dimensional zinc(II)-cyanide complex with 1-methylimidazole, [Zn( $\mu$ -CN)(CN) (1-meim)](n)**  
Sayin E., KÜRKÇÜOĞLU G. S., YEŞİLEL O. Z., HÖKELEK T.  
ZEITSCHRIFT FÜR KRISTALLOGRAPHIE-CRYSTALLINE MATERIALS, vol.230, no.6, pp.421-426, 2015 (SCI-Expanded)
- XXXV. **Dinuclear zinc(II) complex with tris(2-aminoethyl) amine ligand: synthesis, structure and properties**  
KÜRKÇÜOĞLU G. S., YEŞİLEL O. Z., ŞAHİN O., Sayin E., BÜYÜKGÜNGÖR O.  
ZEITSCHRIFT FÜR KRISTALLOGRAPHIE-CRYSTALLINE MATERIALS, vol.230, no.6, pp.407-412, 2015 (SCI-Expanded)
- XXXVI. **One-dimensional cyanide- and fumarate-bridged heteronuclear complex, poly[ $\mu$ -fumaratotetraaminedizinc(II)di- $\mu$ -cyanodicyanonickel(II) dihydrate]**  
Sayin E., KÜRKÇÜOĞLU G. S., YEŞİLEL O. Z., HÖKELEK T.  
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- XXXVII. **Syntheses and characterizations of tetracyanoplatinate(II) complexes with 2-pyridineethanol**  
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- II. **SYNTHESIS, CHARACTERIZATION OF CYANIDE COMPLEXES WITH 2- (HYDROXYMETHYL)PYRIDINE BY VIBRATIONAL SPECTROSCOPIC, THERMAL STUDIES AND ELECTRICAL PROPERTIES**  
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- I. **Syntheses and crystal structures of one-dimensional [Cd( $\mu_4$ aepy)<sub>2</sub>(H<sub>2</sub>O)<sub>2</sub>][M(CN)<sub>4</sub>] [4aepy = 4-(2-aminoethyl)pyridine), M(II) = Ni(II) or Pd(II)] complexes**  
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- VIII. **Structural and Thermoanalytical Analysis of Imidazole-Based Cu(II) Complex as New Generation Plastic Additive**  
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- IX. **Theoretical study on the Molecular Structure and Vibrational spectra of Cyanide-Bridged Heteronuclear Polymeric complex:  $[Cd(mim)_2Ni(\mu-CN)_4]_n$**   
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- X. **A Theoretical and Experimental Investigation of Vibrational Spectra and Electronic Transitions on 2-pyridineethanol and 2-Pyridinemethanol**  
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- XI. **Density Functional Theory Approaching on Structural Analysis of New Tetramer Barbiturate Molecule**  
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- XII. **Density Functional Theory Calculations on Molecular Structure and Vibrational Properties of Stearic Acid as Plastic Additives**  
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- XIII. **Synthesis, Structural Characterization and C-H...Pd Interactions of the Metal Cyanide Complex:  $[Cd(mim)_2Pd(\mu-CN)_4]_n$**   
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- XVI. **Structural and Thermoanalytical Analysis of Organometallic Barbiturate and Tetraborat Complexes as New Generation Plastic Additives**  
Kavlak İ., KÜRKCÜOĞLU G. S.  
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- XVII. **Investigation of Structural Analysis and Thermoanalytical Properties of Thermal and UV Stabilizer as**

**organometallic Sn(II), Cu(II) and Cd(II) Barbiturate Complexes**

Kavlak İ., KÜRKCÜOĞLU G. S.

34th European Congress on Molecular Spectroscopy (EUCMOS 2018), 19 - 24 August 2018

**XVIII. A Theoretical Study on Molecular Structure and Vibrational Spectra of Cyanide Complexes with 1,2-Dimethylimidazole:  $[M(dmi)_2Ni(\eta-CN)_4]_n$  (M = Cu, Zn or Cd)**

KINIK B., Kavlak İ., KÜRKCÜOĞLU G. S.

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**XIX. A theoretical and experimental investigation of vibrational spectra and electronic transitions on some aminoethylpyridine molecules**

BAĞLAYAN Ö., Kavlak İ., ŞENYEL M., KÜRKCÜOĞLU G. S.

34th European Congress on Molecular Spectroscopy (EUCMOS 2018), Coimbra, Portugal, 19 - 24 August 2018

**XX. Spectral, Structural and Thermal Properties of Some Cyanide Complexes Containing Tetracyanonickelate(II) and 2-Aminoethylpyridine**

KÜRKCÜOĞLU G. S., Sayın E.

34th European Congress on Molecular Spectroscopy (EUCMOS 2018), 19 - 24 August 2018

**XXI. Synthesis, Spectral, Thermal and Crystal Structure of Cyanide Bridged Hetero-Metallic Polymeric Complex:  $Cu(dmi)_2Ni(\eta-CN)_4]_n$**

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Türk Fizik Derneği, Member, 1990 - Continues, Turkey

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## **Metrics**

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