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Personal Information

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Education Information

Doctorate, Ondokuz Mayıs University, Institute Of Science, Kimya (Dr), Turkey 1999 - 2004

Postgraduate, Ondokuz Mayıs University, Institute Of Science, Kimya (YI) (Tezli), Turkey 1996 - 1999

Undergraduate, Ondokuz Mayıs University, Faculty Of Education, Department Of Mathematics And Science Teaching, Turkey 1991 - 1995

Dissertations

Doctorate, Bazı geçiş metallerinin karışık liganlı (etilendiamin, 1,10 fenantrolin, imidazol) orotik asit ve trietanolamin skuarat komplekslerinin sentezi, spektroskopik ve termik özelliklerinin araştırılması, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Kimya (Dr), 2004

Postgraduate, Bazı geçiş metalleri-urasil komplekslerinin sentezi, spektroskopik ve termik özelliklerinin incelenmesi, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 1999

Research Areas

Chemistry, Inorganic Chemistry, Coordination Chemistry, Natural Sciences

Academic Titles / Tasks

Professor, Eskisehir Osmangazi University, FEN FAKÜLTESİ, KİMYA BÖLÜMÜ, 2013 - Continues

Associate Professor, Eskisehir Osmangazi University, FEN FAKÜLTESİ, KİMYA BÖLÜMÜ, 2007 - 2013

Assistant Professor, Eskisehir Osmangazi University, FEN FAKÜLTESİ, KİMYA BÖLÜMÜ, 2006 - 2007

Research Assistant, Ondokuz Mayıs University, Faculty Of Arts And Sciences, Department Of Chemistry, 1998 - 2005

Research Assistant, Ondokuz Mayıs University, Faculty Of Education, Department Of Mathematics And Science Teaching, 1995 - 1998

Academic and Administrative Experience

Head of Department, Eskisehir Osmangazi University, FEN FAKÜLTESİ, KİMYA BÖLÜMÜ, 2020 - Continues

Eskisehir Osmangazi University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 2018 - Continues

Advising Theses

- YEŞİLEL O. Z., 3,5-Piridinyumdikarboksilat ile Zwitteriyonik Ligandların ve Koordinasyon Polimerlerinin Sentezi, Yapılarının Belirlenmesi ve Lüminesans Özelliklerinin Araştırılması, Postgraduate, E.DİNÇER(Student), 2020
- YEŞİLEL O. Z., Bis(izoftalik asit) ve bis(imidazol) türevi ligandlarla kobalt(II), çinko(II) ve kadmiyum(II) koordinasyon polimerlerinin sentezi ve karakterizasyonu, Postgraduate, Y.CAN(Student), 2019
- YEŞİLEL O. Z., Fenilsüksinat ve Bis(imidazol) Türevi Ligandlarla Bazı Geçiş Metal Komplekslerinin Sentezi ve Yapısal Özelliklerinin Belirlenmesi, Postgraduate, U.GÜLER(Student), 2019
- YEŞİLEL O. Z., ZWİTTERİYONİK LİGANT İLE KOORDİNASYON BİLEŞİKLERİNİN SENTEZİ VE YAPISAL ÖZELLİKLERİNİN ARAŞTIRILMASI, Postgraduate, E.ÇİFTÇİ(Student), 2019
- YEŞİLEL O. Z., 3,3',5,5'-azobenzenetetrakarboksilat ve bazı bis(imidazol) türevi ligantlar ile çinko(II) ve kadmiyum(II)-koordinasyon polimerlerinin sentezi, yapılarının aydınlatılması ve bazı potansiyel uygulamaları, Doctorate, M.ARICI(Student), 2016
- YEŞİLEL O. Z., Fenilendiasetat türevleri ile çinko(II) ve kadmiyum(II) koordinasyon polimerlerinin sentezi, yapılarının ve gaz adsorpsiyon özelliklerinin araştırılması, Doctorate, G.GÜNAY(Student), 2016
- YEŞİLEL O. Z., Piridin-2,3-dikarboksilat ile koordinasyon polimerlerinin sentezi ve yapısal özelliklerinin araştırılması, Doctorate, F.SEMERCİ(Student), 2014
- YEŞİLEL O. Z., Çinko(II) ve kadmiyum(II)-tiyofen-2,5-dikarboksilat'ın bis(imidazol) türevleri ile gözenekli koordinasyon polimerlerinin hidrotermal sentezi ve yapısal özelliklerinin araştırılması, Doctorate, H.ERER(Student), 2014
- YEŞİLEL O. Z., 3,3'-Tiyodipropiyonik asit ile karışık ligantlı bazı geçiş metal komplekslerinin sentezi ve yapısal özelliklerinin incelenmesi, Postgraduate, M.ARICI(Student), 2013
- YEŞİLEL O. Z., Glutarat liganti içeren karışık ligantlı metal komplekslerinin sentezi ve karakterizasyonu, Postgraduate, Y.KILIÇ(Student), 2013
- YEŞİLEL O. Z., Uzun zincirli diamin ligantları içeren gümüş-sakkarinat komplekslerinin sentezi ve yapısal özelliklerinin araştırılması, Postgraduate, B.KARAMAHMUT(Student), 2012
- YEŞİLEL O. Z., Bazı geçiş metalleri ile karışık ligantlı pirazin-2,3-dikarboksilat komplekslerinin sentezi ve yapılarının aydınlatılması, Postgraduate, G.GÜNAY(Student), 2011
- YEŞİLEL O. Z., Farklı diamin ligantları içeren karışık ligantlı bakır(II)-tiyofen-2,5-dikarboksilat komplekslerinin sentezi, spektroskopik, termik ve yapısal özelliklerinin araştırılması, Postgraduate, İ.İLKER(Student), 2010
- YEŞİLEL O. Z., İmidazol türevleri içeren bakır(II), çinko(II) ve kadmiyum(II)-piridin-2,3-dikarboksilat komplekslerinin sentezi ve karakterizasyonu, Postgraduate, F.SEMERCİ(Student), 2010
- YEŞİLEL O. Z., Karışık ligantlı bakır(II) pirazin-2,3-dikarboksilat komplekslerinin sentezi, spektroskopik, termik ve yapısal özelliklerinin araştırılması, Postgraduate, A.MUTLU(Student), 2009
- YEŞİLEL O. Z., Bazı geçiş metallerinin karışık ligantlı (2-metilimidazol ve n-metilimidazol) orotik asit komplekslerinin sentezi, spektroskopik, termik ve yapısal özelliklerinin araştırılması, Postgraduate, H.ERER(Student), 2009

Published journal articles indexed by SCI, SSCI, and AHCI

- 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)
- Distinct color change of a Ho(III)-based metal-organic framework upon varying incident light sources**
Joy M., YEŞİLEL O. Z., Wriedt M.
Inorganic Chemistry Communications, vol.162, 2024 (SCI-Expanded)
- Synthesis and characterization of four coordination compounds with 3,5-dicarboxy-1-(3-**

cyanobenzyl)pyridin-1-ium bromide and investigation of the photoreaction of 2D cadmium(II) compound

Okman B., ARICI M., YEŞİLEL O. Z.

Polyhedron, vol.252, 2024 (SCI-Expanded)

- IV. **A New Tripodal Zwitterionic Ligand-Based Cationic Manganese(II) Metal-Organic Framework: Synthesis, Characterization and Photochromic Property**
Ciftci E., Arici M., Wriedt M., YEŞİLEL O. Z.
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, 2024 (SCI-Expanded)
- V. **Zn(II)-Coordination Polymers Constructed from Isomeric Bis(Imidazole) Derivative Ligands and Tetracarboxylic Acid for the Detection of Iron Ions**
Kavak E., Şevik M., AYDOĞAN A., DEMİR S., SOLMAZ G., Semerci F., ERER H., YEŞİLEL O. Z., ARICI M.
Journal of Inorganic and Organometallic Polymers and Materials, 2024 (SCI-Expanded)
- VI. **Synthesis, characterization and crystal structures of heteronuclear coordination polymers with 4-methylpyridine**
Kekeç S., KÜRKCÜOĞLU G. S., ŞAHİN O., YEŞİLEL O. Z.
STRUCTURAL CHEMISTRY, 2023 (SCI-Expanded)
- VII. **A copper(ii) metal-organic framework with 2,2-dimethylglutarate and imidazole ligands: synthesis, characterization and catalytic performance for cycloaddition of CO₂ to epoxides**
KÖSE YAMAN P., DEMİR S., Denizalti S., ERER H., YEŞİLEL O. Z.
NEW JOURNAL OF CHEMISTRY, vol.48, no.4, pp.1850-1855, 2023 (SCI-Expanded)
- VIII. **Copper(II) and Zinc(II) coordination polymers based on glutaric acid and 1,2-bis(4-pyridyl)ethylene: Hydrothermal synthesis, characterization and thermal behaviors**
Arslan Biçer F., Tataş Coşkun F., Salun B., Özdemir İ., ARICI M., YEŞİLEL O. Z.
Journal of Molecular Structure, vol.1294, 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., Yeşilel O. Z., Kekeç S., Ünver H., Şahin O.
JOURNAL OF COORDINATION CHEMISTRY, vol.76, no.16-24, pp.1802-1816, 2023 (SCI-Expanded)
- X. **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, 2023 (SCI-Expanded)
- XI. **Synthesis, Characterization and the Effect of the Auxiliary Ligands on the Dimensionality of Two Cobalt(II)-Fumarate Coordination Polymers with Bis(Imidazole) Ligands**
Arslan Biçer F., YEŞİLEL O. Z.
Journal of Structural Chemistry, vol.64, no.8, pp.1423-1434, 2023 (SCI-Expanded)
- XII. **Synthesis and Characterization of Cobalt(II) and Zinc(II) Coordination Polymers Constructed from Bis(isophthalic acid) and Bis(1,2,4-triazole) Linkers**
Erer H., Demir S., Karaman B., Arıcı M., Yeşilel O. Z.
Journal of Inorganic and Organometallic Polymers and Materials, vol.33, no.8, pp.2386-2398, 2023 (SCI-Expanded)
- XIII. **Syntheses, characterization of three new cobalt(II) complexes with 2-phenylsuccinic acid and flexible bis(imidazole) linkers**
Arslan Biçer F., Arıcı M., Yeşilel O. Z.
Journal of Molecular Structure, vol.1284, 2023 (SCI-Expanded)
- XIV. **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)
- XV. **Synthesis, characterization and dye adsorption property of a 2D nickel(ii)-coordination polymer constructed from tetracarboxylic acid and 1,3-bis(imidazol-1-yl-methyl)benzene**

- Ciftci E., Alp Arici T., ARICI M., ERER H., YEŞİLEL O. Z.
CRYSTENGCOMM, vol.24, no.42, pp.7440-7446, 2022 (SCI-Expanded)
- XVI. **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)
- XVII. **A series of coordination polymers constructed by 2-phenylsuccinic acid and flexible bis(imidazole) ligands: Syntheses, structures, and photoluminescent properties**
YEŞİLEL O. Z., Güler U., Çiftçi E., ARICI M.
Journal of Molecular Structure, vol.1262, 2022 (SCI-Expanded)
- XVIII. **Synthesis, characterization, and optical properties of four coordination polymers with 3,5-dicarboxy-1-(4-cyanobenzyl)pyridin-1-ium bromide**
KAYA M., DEMİR S., ARICI M., Wriedt M., YEŞİLEL O. Z.
POLYHEDRON, vol.221, 2022 (SCI-Expanded)
- XIX. **Synthesis, characterization and dye adsorption properties of a 3-fold interpenetrated cobalt(II)-metal organic framework based on (E)-5,5'-(but-2-ene-1,4-diylbis(oxy))diisophthalate and 1,4-bis(imidazole-1-yl)butane ligands**
Çiftçi E., Alp Arıcı T., ARICI M., ERER H., YEŞİLEL O. Z.
Journal of Solid State Chemistry, vol.311, 2022 (SCI-Expanded)
- XX. **Zinc(II)-Coordination Polymers Based on Isomeric Azo-Containing Anionic and Neutral Linkers**
Arıcı M., Yeşilel O. Z.
Journal of Inorganic and Organometallic Polymers and Materials, vol.32, no.5, pp.1582-1590, 2022 (SCI-Expanded)
- XXI. **Synthesis and characterization of cerium(III), praseodymium(III), gadolinium(III) and erbium(III) coordination polymers with zwitterionic ligand**
Aghamohammadi P., Büyükgüngör O., ARICI M., Wriedt M., YEŞİLEL O. Z.
Journal of Molecular Structure, vol.1250, 2022 (SCI-Expanded)
- XXII. **Hydrothermal synthesis and characterization of two dimensional coordination polymers with 2,2 '-dimethylglutarate and 1,2-bis(imidazol-1-ylmethyl)benzene**
Yaman P. K., ERER H., ARICI M., Erucar I., YEŞİLEL O. Z.
INORGANICA CHIMICA ACTA, vol.488, pp.229-237, 2019 (SCI-Expanded)
- XXIII. **The structures and properties of zinc(II) and cadmium(II) coordination polymers based on semi-rigid phenylenediacetate and 1,4-bis(2-methylimidazol-1-ylmethyl)benzene linkers**
SEZER G. G., ARICI M., Rixson D., Burrows A. D., YEŞİLEL O. Z., ERER H.
JOURNAL OF SOLID STATE CHEMISTRY, vol.269, pp.246-256, 2019 (SCI-Expanded)
- XXIV. **Hydrothermal synthesis and characterization of cobalt(II), nickel(II) and zinc(II) coordination polymers with 2,2 '-dimethylglutarate and 1,2-bis (4-pyridyl)ethane**
KÖSE YAMAN P., YEŞİLEL O. Z.
POLYHEDRON, vol.148, pp.189-194, 2018 (SCI-Expanded)
- XXV. **Three Co(II)-coordination polymers based on 5-tert-butyl isophthalic acid and isomeric Bis(imidazole) ligands: Synthesis, optical and magnetic properties**
ARICI M., YEŞİLEL O. Z., BÜYÜKGÜNGÖR O., YERLİ Y.
POLYHEDRON, vol.142, pp.9-15, 2018 (SCI-Expanded)
- XXVI. **Zinc(II) and cadmium(II) coordination polymers containing phenylenediacetate and 4,4 '-azobis(pyridine) ligands: Syntheses, structures, dye adsorption properties and molecular dynamics simulations**
SEZER G. G., ARICI M., Erucar I., YEŞİLEL O. Z., Ozel H. U., GEMİCİ B. T., ERER H.
JOURNAL OF SOLID STATE CHEMISTRY, vol.255, pp.89-96, 2017 (SCI-Expanded)
- XXVII. **Facile synthesis of 2D Zn(II) coordination polymer and its crystal structure, selective removal of methylene blue and molecular simulations**
SEZER G. G., YEŞİLEL O. Z., ŞAHİN O., ARSLANOĞLU H., Erucar I.
JOURNAL OF MOLECULAR STRUCTURE, vol.1143, pp.355-361, 2017 (SCI-Expanded)

- XXVIII. **Zinc(II) and cadmium(II) coordination polymers containing phenylenediacetate and bis(imidazol-1-ylmethyl)benzene linkers: The effect of ligand isomers on the solid state structures**
SEZER G. G., YEŞİLEL O. Z., ŞAHİN O., Burrows A. D.
JOURNAL OF SOLID STATE CHEMISTRY, vol.252, pp.8-21, 2017 (SCI-Expanded)
- XXIX. **Two 3D Zinc(II) coordination frameworks constructed from pyrazine-2,3-dicarboxylate and 1,2-bis(4-pyridyl)ethylene**
SEZER G. G., YEŞİLEL O. Z., BÜYÜKGÜNGÖR O.
JOURNAL OF MOLECULAR STRUCTURE, vol.1137, pp.562-568, 2017 (SCI-Expanded)
- XXX. **CO₂ and Iodine Uptake Properties of Co(II)-Coordination Polymer Constructed from Tetracarboxylic Acid and Flexible Bis(imidazole) Linker**
ARICI M., YEŞİLEL O. Z., TAŞ M., Demiral H.
CRYSTAL GROWTH & DESIGN, vol.17, no.5, pp.2654-2659, 2017 (SCI-Expanded)
- XXXI. **Four coordination polymers based on 5-tert-butyl isophthalic acid and rigid bis(imidazol-1yl)benzene linkers: Synthesis, luminescence detection of acetone and optical properties**
ARICI M., YEŞİLEL O. Z., BÜYÜKGÜNGÖR O.
JOURNAL OF SOLID STATE CHEMISTRY, vol.249, pp.141-148, 2017 (SCI-Expanded)
- XXXII. **Synthesis, characterization and properties of nicotinamide and isonicotinamide complexes with diverse dicarboxylic acids**
ARICI M., YEŞİLEL O. Z., Acar E., DEGE N.
POLYHEDRON, vol.127, pp.293-301, 2017 (SCI-Expanded)
- XXXIII. **A series of silver(I) coordination polymers with saccarinatate and flexible aliphatic diamines**
YEŞİLEL O. Z., Karamahmut B., SEMERCİ F., DARCAN C., YILMAZ F.
JOURNAL OF SOLID STATE CHEMISTRY, vol.249, pp.174-188, 2017 (SCI-Expanded)
- XXXIV. **A new decavanadate polyoxovanadate nanocluster: synthesis, characterization and rapid adsorption of methylene blue**
Naslhajian H., Amini M., Farnia S. M. F., Sheykhi A., ŞAHİN O., YEŞİLEL O. Z.
JOURNAL OF COORDINATION CHEMISTRY, vol.70, no.17, pp.2940-2949, 2017 (SCI-Expanded)
- XXXV. **Cd(II)-coordination polymers based on tetracarboxylic acid and diverse bis(imidazole) ligands: Synthesis, structural diversity and photoluminescence properties**
ARICI M., YEŞİLEL O. Z., TAŞ M.
JOURNAL OF SOLID STATE CHEMISTRY, vol.245, pp.146-151, 2017 (SCI-Expanded)
- XXXVI. **Construction, Structural Diversity, and Properties of Seven Zn(II)-Coordination Polymers Based on 3,3',5,5'-Azobenzene-tetracarboxylic Acid and Flexible Substitute Bis(imidazole) Linkers**
ARICI M., YEŞİLEL O. Z., TAŞ M., Demiral H., ERER H.
CRYSTAL GROWTH & DESIGN, vol.16, no.9, pp.5448-5459, 2016 (SCI-Expanded)
- XXXVII. **Synthesis, crystal structure and magnetic property of one-dimensional heterometallic cyanide-bridged complex: {[Cu(hmpH)(2)Cu(hmp)(hmpH)Co(μ₂-CN)(4)(CN)(2)].2H(2)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)
- XXXVIII. **Synthesis and characterization of new coordination polymers based on 2,3-/3,4-pyridinedicarboxylates and bispyridine ligands, with structural diversity**
SEMERCİ F., YEŞİLEL O. Z., YÜKSEL F., ŞAHİN O.
POLYHEDRON, vol.111, pp.1-10, 2016 (SCI-Expanded)
- XXXIX. **Tetranuclear manganese(II) complexes of hydrazone and carbohydrazone ligands: Synthesis, crystal structures, magnetic properties, Hirshfeld surface analysis and DFT calculations**
Abedi M., YEŞİLEL O. Z., Mahmoudi G., Bauza A., Lofland S. E., YERLİ Y., Kaminsky W., Garczarek P., Zareba J. K., Ienco A., et al.
INORGANICA CHIMICA ACTA, vol.443, pp.101-109, 2016 (SCI-Expanded)
- XL. **Zinc(II) and Cadmium(II) coordination polymers constructed from phenylenediacetate ligands**
SEZER G. G., YEŞİLEL O. Z., ERER H., ŞAHİN O.
JOURNAL OF SOLID STATE CHEMISTRY, vol.233, pp.463-470, 2016 (SCI-Expanded)

- XLII. 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)
- XLIII. Temperature-controlled formation of two Zn(II)-coordination polymers based on flexible o-phenylenediacetic acid and rigid 1,4-bis(imidazol-1-yl)benzene**
Sezer G. G., YEŞİLEL O. Z., ARICI M., ERER H.
POLYHEDRON, vol.102, pp.514-520, 2015 (SCI-Expanded)
- XLIV. One-pot synthesis of two new metal-organic networks: hydrogen bonded mononuclear Cu(II) complex and mixed-valence Cu(I,II) coordination polymer with encapsulated 14-membered unique water cluster**
SEMERCİ F., YEŞİLEL O. Z., Yuksel F., ŞAHİN O.
INORGANIC CHEMISTRY COMMUNICATIONS, vol.62, pp.29-33, 2015 (SCI-Expanded)
- XLV. Effect of Solvent Molecule in Pore for Flexible Porous Coordination Polymer upon Gas Adsorption and Iodine Encapsulation**
ARICI M., YEŞİLEL O. Z., TAŞ M., Demiral H.
INORGANIC CHEMISTRY, vol.54, no.23, pp.11283-11291, 2015 (SCI-Expanded)
- XLVI. Self-assembly of three new metal organic coordination networks based on 1,2-bis(imidazol-1-yl-methyl)benzene**
SEMERCİ F., YEŞİLEL O. Z., YÜKSEL F.
POLYHEDRON, vol.102, pp.1-7, 2015 (SCI-Expanded)
- XLVII. 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)
- XLVIII. A zinc(II) metal organic framework based on flexible o-phenylenediacetate and rigid 4,4'-azobis(pyridine) ligands: Synthesis, crystal structure and hydrogen gas adsorption property**
Gunay G., YEŞİLEL O. Z., ERER H., Keskin S., TABAK A.
POLYHEDRON, vol.100, pp.108-113, 2015 (SCI-Expanded)
- XLIX. Synthesis, structural characterization and microbial activity of 2D Ag(I)-5-aminoisophthalate coordination polymer with a new coordination mode**
Gunay H., ÇOLAK A. T., YEŞİLEL O. Z., Tunc T., ÇOLAK F.
JOURNAL OF MOLECULAR STRUCTURE, vol.1099, pp.108-113, 2015 (SCI-Expanded)
- L. Solvent-controlled construction of manganese(II) complexes with 4-acetylpyridine nicotinoylhydrazone ligand**
Servati-Gargari M., Seth S. K., LaDuca R. L., YEŞİLEL O. Z., Pochodylo A., Bauza A., Jana B. C., Arslan T., Frontera A., Mahmoudi G.
INORGANICA CHIMICA ACTA, vol.438, pp.220-231, 2015 (SCI-Expanded)
- L. Hydrothermal synthesis and characterization of Zn(II), Cd(II) and Ag(I)-saccharinate complexes containing bis(imidazol) derivatives**
ERER H., Karacam S., ARICI M., YEŞİLEL O. Z., ÇELİK Ö.
POLYHEDRON, vol.98, pp.180-189, 2015 (SCI-Expanded)
- LI. Syntheses, crystal structures and spectroscopic properties of copper(II)-tetracyanomometallate(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)
- LII. 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)

- LIII. **Design and construction of six coordination polymers with imidazole-4,5-dicarboxylate ligand**
ERER H., YEŞİLEL O. Z., ŞAHİN O., BÜYÜKGÜNGÖR O.
INORGANICA CHIMICA ACTA, vol.434, pp.14-23, 2015 (SCI-Expanded)
- LIV. **A Series of Zinc(II) 3D -> 3D Interpenetrated Coordination Polymers Based On Thiophene-2,5-dicarboxylate and Bis(Imidazole) Derivative Linkers**
ERER H., YEŞİLEL O. Z., ARICI M.
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- CXXII. **Linkage isomerism for 4-methylimidazole and a new coordination mode of pyrazine-2,3-dicarboxylate ligand in {[Cd(pzdc)(4-mim)(5-mim)(2)]center dot 1/2H(2)O}(n) coordination polymer**
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- CXXIII. **Hydrogen bonded networks and a self-assembled 1D water cluster in nickel(II) and copper(II)-orotate complexes**
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- CXXIV. **Tris(ethylenediamine)nickel(II) 1H-pyrazole-3,5-dicarboxylate 1.67-hydrate**
Demirtas G., DEGE N., YEŞİLEL O. Z., ERER H., BÜYÜKGÜNGÖR O.
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- CXXV. **Syntheses and characterization of two copper pyridine-dicarboxylate compounds containing water clusters**
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- CXXVI. **Synthesis, structural characterisation of zinc(II)-pyridine-2,5-dicarboxylate complexes and self-assembled 1D water cluster in a supramolecular architecture**
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- CXXVII. **Synthesis, Spectroscopic, Thermal, Crystal Characterization and Biological Activity of $\{[\text{Ni}(\text{phen})(3)] [\text{Ni}(\text{dipic})(2)]\}_2 \cdot 17\text{H}_2\text{O}$ (H_2dipic : Pyridine-2,6-dicarboxylic Acid, Phen: 1,10-Phenanthroline)**
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- CXXVIII. **Supramolecular cobalt(II)-pyridine-2,5-dicarboxylate complexes with isonicotinamide, 2-amino-3-methylpyridine and 2-amino-6-methylpyridine: Syntheses, crystal structures, spectroscopic, thermal and antimicrobial activity studies**
ÇOLAK A. T., ÇOLAK F., YEŞİLEL O. Z., Akduman D., YILMAZ F., TÜMER M.
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- CXXIX. **One Dimensional Coordination Polymer of Nickel(II)-Squarate with N,N,N',N'-tetramethylethylenediamine, $\{[\text{Ni}(\mu\text{-sq})(\text{H}_2\text{O})(2)(\text{tmen})]\}_n \cdot \text{H}_2\text{O}$**
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- CXXX. **Cu(II) and Zn(II)-Pyridine-2,3-Dicarboxylate Complexes with 2-Methylimidazole: Syntheses, Crystal Structures, Spectroscopic and Thermal Analyses**
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- CXXXI. **Novel Copper(II) Complexes of N-Phenylanthranilic Acid Containing Ethanol and Hydroxo Ligands**
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- CXXXII. **An unprecedented coordination mode of the orotate ligand in novel polynuclear cadmium(II)-orotate complexes**
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- CXXXIII. **Syntheses, thermal analyses, crystal structures and antimicrobial properties of silver(I)-saccharinate complexes with diverse diamine ligands**
YEŞİLEL O. Z., Kastas G., Darcan C., Ilker I., Pasaoglu H., BÜYÜKGÜNGÖR O.
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- CXXXIV. **One-Dimensional Coordination Polymer of Zinc(II)-pyridine-2,5-dicarboxylate with N,N-Dimethylethylenediamine: Synthesis, Structural, Spectroscopic and Thermal Properties**
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- CXXXVI. **One-dimensional coordination polymers of Co(II) and Cd(II)-squarate with 2-methylimidazole and 4(5)-methylimidazole ligands**
ERER H., YEŞİLEL O. Z., BÜYÜKGÜNGÖR O.
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- CXXXVII. **Syntheses, structural characterization and antimicrobial activities of novel cobalt-pyrazine-2,3-dicarboxylate complexes with N-donor ligands**
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- CXXXVIII. **Spectroscopic characterization of charge-transfer complexes of morpholine with chloranilic and picric acids in organic media: Crystal structure of bis(morpholinium 2,4,6-trinitrocyclohexanolate)**

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- CXLI. **Dinuclear and polynuclear silver(I) saccharinate complexes with 1,3-diaminopropane and N-methylethylenediamine constructed from Ag center dot center dot center dot C interactions**
Ilker I., YEŞİLEL O. Z., Gunay G., BÜYÜKGÜNGÖR O.
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ÇOLAK A. T., ÇOLAK F., Akduman D., YEŞİLEL O. Z., BÜYÜKGÜNGÖR O.
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- CXLIII. **Synthesis, spectroscopic, thermal, voltammetric studies and biological activity of crystalline complexes of pyridine-2,6-dicarboxylic acid and 8-hydroxyquinoline**
ÇOLAK A. T., ÇOLAK F., YEŞİLEL O. Z., BÜYÜKGÜNGÖR O.
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- CXLIV. **Pyridine-2,5-dicarboxylic acid complexes of nickel(II) with 2,2'-bipyridine and 1,10-phenanthroline coligands; syntheses, crystal structures, spectroscopic and thermal studies**
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- CXLV. **Hetero-metallic coordination polymers: Syntheses, vibrational spectra, thermal analyses and crystal structures of trans-[M(N-Meim) 2Ni(μ-CN) 4] n (M=Cu(II), Zn(II) and Cd(II))**
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- CXLVI. **[N-(2-Hydroxyethyl)ethylenediamine]oxalatocopper(II)**
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- CXLVII. **Synthesis, spectroscopic, thermal Studies, antimicrobial activities and crystal structures of Co(II), Ni(II), Cu(II) and Zn(II)-orotate complexes with 2-methylimidazole**
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- CXLVIII. **Three copper(II) complexes of thiophene-2,5-dicarboxylic acid with dissimilar ligands: Synthesis, IR and UV-Vis spectra, thermal properties and structural characterizations**
YEŞİLEL O. Z., Ilker I., BÜYÜKGÜNGÖR O.
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- CXLIX. **Syntheses, spectral, thermal and structural characterization of dinuclear and polynuclear copper(II) orotate complexes, $[\text{Cu}-2(\text{HOr})(2)(\text{H}_2\text{O})(4)]$ and $[\text{Cu}(\mu\text{-HOr})(\text{ba})(2)]_n$**
SOYLU M. S., YEŞİLEL O. Z., Karabulut B., BÜYÜKGÜNGÖR O.
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- CL. **Uncommon coordination modes of 4-methylimidazole in $[\text{Zn}(4\text{-Meim})(2)(5\text{-Meim})(2)]_{\text{sq}} \cdot 3\text{H}_2\text{O}$**
YEŞİLEL O. Z., ERER H., BÜYÜKGÜNGÖR O.
INORGANIC CHEMISTRY COMMUNICATIONS, vol.12, no.8, pp.724-727, 2009 (SCI-Expanded)
- CLI. **Diaquabis(1,3-propanediamine)nickel(II) squarate tetrahydrate**
Temel E., ERER H., YEŞİLEL O. Z., BÜYÜKGÜNGÖR O.

- CLII. **Synthesis, characterization and crystal structure of a novel three-dimensional supramolecular framework containing Ni $\cdots\pi$ interaction heteronuclear complex: $\{[\text{Cu}(\text{4(5)-Meim})_4][\text{Ni}(\text{CN})_4] \cdot \text{H}_2\text{O}\}_n$**
Kuerkcueoglu G. S., YEŞİLEL O. Z., Kavlak I., KURTARAN S., BÜYÜKGÜNGÖR O.
Journal of Inorganic and Organometallic Polymers and Materials, vol.19, no.3, pp.314-321, 2009 (SCI-Expanded)
- CLIII. **Nickel(II) $\cdots\pi$ interaction in $[\text{M}(\text{ampy})_2\text{Ni}(\mu\text{-CN})_2(\text{CN})_2]_n$ (M = Zn(II) and Cd(II), ampy = 2-aminomethylpyridine): Syntheses, vibrational spectroscopy, thermal analyses and crystal structures of cyano-bridged heteronuclear polymeric complexes**
Kuerkcueoglu G. S., YEŞİLEL O. Z., Kavlak I., BÜYÜKGÜNGÖR O.
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- CLIV. **Novel dinuclear and polynuclear copper(II)-pyrazine-2,3-dicarboxylate supramolecular complexes with 1,3-propanediamine, N,N,N',N'-tetramethylethylenediamine and 2,2'-bipyridine**
YEŞİLEL O. Z., Mutlu A., BÜYÜKGÜNGÖR O.
POLYHEDRON, vol.28, no.3, pp.437-444, 2009 (SCI-Expanded)
- CLV. **Coordination polymers of Mn(II) and Cu(II) orotate with 2-methylimidazole and N,N,N',N'-tetramethylethylenediamine ligands: Syntheses, spectroscopic and thermal analyses and crystal structures of mer- $[\text{Mn}(\mu\text{-HOr})(\text{H}_2\text{O})(2\text{-meim})(2)](n)$ and thermochromic $\{[\text{Cu}(\mu\text{-HOr})(\text{tmen})] \text{center dot } 1.5\text{H}_2\text{O}\}(n)$ complexes**
YEŞİLEL O. Z., ERER H., Mutlu A., BÜYÜKGÜNGÖR O.
POLYHEDRON, vol.28, no.1, pp.150-156, 2009 (SCI-Expanded)
- CLVI. **Syntheses, Spectra, Thermal Studies and Crystal Structures of Vitamin B13 Complexes of Nickel(II) with N,N,N',N'-Tetramethylethylenediamine and 2,2-Dimethylpropane-1,3-diamine**
YEŞİLEL O. Z., ERER H., DEGE N., BÜYÜKGÜNGÖR O.
ZEITSCHRIFT FÜR ANORGANISCHE UND ALLGEMEINE CHEMIE, vol.635, no.3, pp.577-581, 2009 (SCI-Expanded)
- CLVII. **Mono-, di-, poly-nuclear and one-, two- and three-dimensional Ag(I) Saccharinate Complexes with diamine ligands: Syntheses, Thermal Analyses, Crystal Structures and Antimicrobial Properties.**
KAŞTAŞ G., PAŞAOĞLU H., YEŞİLEL O. Z., Darcan C., Mutlu A., BÜYÜKGÜNGÖR O.
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- CLVIII. **Synthesis, spectral, thermal, and structural studies of copper(II)-squarate coordination polymer with 2-hydroxyethylpyridine, $\{[\text{Cu}(\text{-sq})(\text{etpy})_2] \text{center dot } \text{H}_2\text{O}\}_n$**
YEŞİLEL O. Z., ERER H., SOYLU M. S., BÜYÜKGÜNGÖR O.
JOURNAL OF COORDINATION CHEMISTRY, vol.62, no.15, pp.2438-2448, 2009 (SCI-Expanded)
- CLIX. **Synthesis, characterization, crystal structure and biological activities of supramolecular compounds of Mn(II) and Zn(II) with dipicolinic acid and 8-hydroxyquinoline**
ÇOLAK A. T., ÇOLAK F., YEŞİLEL O. Z., BÜYÜKGÜNGÖR O.
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- CLX. **Synthesis, crystal structure, vibrational spectra and thermal property of the cyano-bridged heteronuclear polymeric complex $[\text{Cd}(\text{pea})(2)\text{Ni}(\mu\text{-CN})(4)](n)$**
KÜRKÇÜOĞLU G. S., YEŞİLEL O. Z., Cayli I., BÜYÜKGÜNGÖR O.
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ÇOLAK A. T., Akduman D., YEŞİLEL O. Z., BÜYÜKGÜNGÖR O.
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- CLXII. **Synthesis, IR spectrum, thermal analysis, and crystal structure of the cyano-bridged heteronuclear polymeric complex: $[\text{Zn}(\text{teta})\text{Ni}(\mu\text{-CN})_2(\text{CN})_2]_n$**
Kuerkcueoglu G. S., YEŞİLEL O. Z., Kavlak I., Bueyuekguengoer O.
Zeitschrift für Anorganische und Allgemeine Chemie, vol.635, no.1, pp.175-178, 2009 (SCI-Expanded)
- CLXIII. **Syntheses, spectral and thermal analyses of heteronuclear aqua(2-methylpyrazine)metal(II) complexes with tetracyanonickelate ion and crystal structure of supramolecular $[\text{Cd}(\text{H}_2\text{O})$**

(2mpz)Ni(μ -CN)(4)] (n) complex

KÜRKÇÜOĞLU G. S., YEŞİLEL O. Z., Kavlak I., Buyukgungor O.

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- CLXIV. **The first dinuclear orotate complex: Syntheses, spectral, thermal and structural characterization of supramolecular orotate complexes of nickel(II) and copper(II) with 2-hydroxyethylpyridine**
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JOURNAL OF MOLECULAR STRUCTURE, vol.889, pp.415-421, 2008 (SCI-Expanded)
- CLXV. **A new coordination mode of pyrazine-2,3-dicarboxylic acid and its first monodentate complexes: Syntheses, spectral, thermal and structural characterization of [Cu(pzdca)(H₂O)(en)(2)] center dot H₂O and [Cu(pzdca)(H₂O)(dmpen)(2)]**
YEŞİLEL O. Z., Mutlu A., BÜYÜKGÜNGÖR O.
POLYHEDRON, vol.27, no.11, pp.2471-2477, 2008 (SCI-Expanded)
- CLXVI. **Synthesis, IR spectrum, thermal property and crystal structure of cyano-bridged heteronuclear polymeric complex, [Cd(teta)Ni(μ -CN)(2)(CN)(2)] center dot 2H(2)O**
KÜRKÇÜOĞLU G. S., HÖKELEK T., YEŞİLEL O. Z., AKSAY S.
STRUCTURAL CHEMISTRY, vol.19, no.3, pp.493-499, 2008 (SCI-Expanded)
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ÇOLAK A. T., YEŞİLEL O. Z., HÖKELEK T., ŞAHİN E.
STRUCTURAL CHEMISTRY, vol.19, no.2, pp.285-290, 2008 (SCI-Expanded)
- CLXVIII. **Supramolecular squarate and hydrogensquarate compounds with 4-amino-1,2,4-triazole, 2-aminothiazole and 2-aminobenzimidazole**
YEŞİLEL O. Z., Odabasoglu M., BÜYÜKGÜNGÖR O.
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- CLXIX. **Synthesis and spectroscopic characterization of piperidine/chloranil and piperidine/7,7',8,8'-tetracyanoquinodimethane charge transfer complexes: X-ray crystal structure of a 7,7'-dicyano-8,8'-di-piperidinoquinodimethane adduct**
Refat M. S., Ei-Zayat L. A., YEŞİLEL O. Z.
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- CLXX. **The first hydroxo-bridged saccharinate complexes: Syntheses, spectral, thermal, structural characterization and antimicrobial activities of [Cu(μ -OH)(sac-N)(deten)](2)center dot 2H(2)O and [Cu(μ -OH)(sac-O)(tmen)](2)**
YEŞİLEL O. Z., Darcan C., ŞAHİN E.
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- CLXXII. **[N,N'-bis(3-aminopropyl)ethylenediamine]disaccharinatocadmium(II) 0.25-hydrate**
Pasaoglu H., Kastas G., YEŞİLEL O. Z., Sahin O.
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- CLXXIII. **Synthesis, crystal structure, spectral and thermal characterization, and antimicrobial activity of [Cu(HOr)(aepy)(H₂O)]center dot H₂O (aepy=2-aminoethylpyridine, HOr(2-)=orotate)**
YEŞİLEL O. Z., Dege N., Darcan C., Bueyuekguengoer O.
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- CLXXIV. **[N,N'-bis(3-aminopropyl)ethylenediamine]disaccharinatozinc(II) monohydrate**
Pasaoglu H., Kastas G., YEŞİLEL O. Z., Sahin O., Buyukgungor O.
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- CLXXV. **EPR spectra of Cu²⁺ doped [Zn(sac)(2)(dmen)] and [Zn(sac)(2)(paen)] single crystals**
Biyik R., Tapramaz R., YEŞİLEL O. Z.
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Qadeer G., Rama N. H., Tas M., YEŞİLEL O. Z., Wong W.
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- CLXXVII. **The novel polymeric potassium complex with a new coordination mode of orotic acid [K(μ (5)-H(2)Or)(μ -H₂O)](n): Synthesis and structural characterization**
YEŞİLEL O. Z., Kastan G., Bueyuekguengoer O.
INORGANIC CHEMISTRY COMMUNICATIONS, vol.10, no.8, pp.936-939, 2007 (SCI-Expanded)
- CLXXVIII. **The first bis(orotato-N,O) cadmium complex with monodentate protonated ethylenediamine ligands: Synthesis, spectrothermal properties of a cadmium(II)-orotato complex with ethylenediamine - Crystal structure of trans-[Cd(HOr)₂(enH)₂](center dot 2H₂O) and cis-[Cd(H₂O)₂(phen)₂](H₂Or)₂ center dot 2H₂O**
YEŞİLEL O. Z., Oelmez H., Arici C.
POLYHEDRON, vol.26, no.14, pp.3669-3674, 2007 (SCI-Expanded)
- CLXXIX. **Orotic acid complexes of Co(II), Ni(II), Zn(II) and Cd(II) with imidazole**
YEŞİLEL O. Z., Oelmez H., Icbudak H.
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- CLXXX. **Syntheses and spectrothermal studies of triethanolamine complexes of Co(II), Ni(II), Cu(II) and Cd(II) squarates**
YEŞİLEL O. Z., Oelmez H.
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- CLXXXI. **The first bis(orotato-N,O) complex: Synthesis, crystal structure, spectroscopic and thermal characterization of (chaH)₂[Cu(HOr-N,O)₂(cha)] center dot 2H₂O (cha = cyclohexylamine and HOr = orotate(2-))**
YEŞİLEL O. Z., Pasaoglu H., Akdag K., Buyukgungor O.
POLYHEDRON, vol.26, no.12, pp.2761-2766, 2007 (SCI-Expanded)
- CLXXXII. **Syntheses, spectral, thermal and structural characterization of 2-hydroxyanilinium and 2-amino-3-hydroxy-pyridinium squarates**
YEŞİLEL O. Z., Pasaoglu H., Yilan O. O., Buyukgungor O.
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- CLXXXIII. **mer-diaquabis(1H-imidazole-kappa N-3)[orotato(2-)]cobalt(II)**
YEŞİLEL O. Z., Olmez H., Arici C.
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Araştırılması, 2021 - 2023

Yeşilel O. Z., TUBITAK Project, FEN BİLİMLERİ ALANINDA TEORİK VE UYGULAMALI ARDEB PROJE YAZMA EĞİTİMİ II, 2021 - 2021

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YEŞİLEL O. Z., Project Supported by Higher Education Institutions, HALKALI DİKARBOKSİLİK ASİT KOMPLEKSLERİNİN SENTEZİ KARAKTERİZASYONU VE ANTİMİKROBİYAL ÖZELLİKLERİNİN ARAŞTIRILMASI, 2008 - 2010

YEŞİLEL O. Z., Project Supported by Higher Education Institutions, Supramoleküler Bileşiklerin Sentezi Spektroskopik ve Termik Özelliklerinin Araştırılması, 2006 - 2008

Scientific Research / Working Group Memberships

Kimya Biyoloji Araştırma Destek Grubu - Kbag, Eskisehir Osmangazi University, Turkey, www.tubitak.gov.tr, 2014 - 2017

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Congress and Symposium Activities

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