

Prof. Nebahat DEMİRHAN

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Research Areas

Chemistry, Inorganic Chemistry, Coordination Chemistry, Natural Sciences

Academic Titles / Tasks

Professor, Yildiz Technical University, Faculty of Arts & Science, Department of Chemistry, 2004 - Continues

Associate Professor, Yildiz Technical University, Faculty of Arts & Science, Department of Chemistry, 1997 - 2004

Assistant Professor, Yildiz Technical University, Faculty of Arts & Science, Department of Chemistry, 1997 - 1997

Research Assistant PhD, Yildiz Technical University, Faculty of Arts & Science, Department of Chemistry, 1988 - 1997

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **Synthesis, spectral and thermal characterization, biological activity of a new amino acide ester containing substituted salicylaldimine Schiff base ligand and its Ru(II)bipyridyl complex**
Yorur-Goreci C., Altas-Puntar N., Toraman A., DEMİRHAN N.
MAIN GROUP CHEMISTRY, vol.20, no.2, pp.193-202, 2021 (Journal Indexed in SCI)
- II. **A novel water-soluble and self-doped conducting hybrid copolymer: poly(4-oxybenzenesulfonic acid) phosphazene-g-poly(3,4-ethylenedioxythiophene)**
Celebi E. B., DEMİRHAN N., Hacivelioglu F.
JOURNAL OF MATERIALS CHEMISTRY C, vol.6, no.11, pp.2672-2677, 2018 (Journal Indexed in SCI)
- III. **Synthesis, biological activity of a new long-chain di-Schiff base ligand and Ru(II) complex in solvent-free conditions**
DEMİRHAN N., Peksel A., ELMALI F., Eren M.
MAIN GROUP CHEMISTRY, vol.16, pp.255-266, 2017 (Journal Indexed in SCI Expanded)
- IV. **Synthesis and Characterization of a New Cyclophosphazene and Its Ruthenium Complex Derived from 1,10-Phenanthroline-5,6-diol**
Karaoglan G., ERDEN İ., DEMİRHAN N.
ASIAN JOURNAL OF CHEMISTRY, vol.25, no.9, pp.4925-4928, 2013 (Journal Indexed in SCI)
- V. **Synthesis of Pyridyloxycyclophosphazene and its Cu(I) Complex**
Boncukcu E., Elmali F., DEMİRHAN N.
MAIN GROUP CHEMISTRY, vol.12, no.4, pp.323-329, 2013 (Journal Indexed in SCI)
- VI. **2-[(E)-(1,10-Phenanthroline-5-yl)iminomethyl]phenol methanol monosolvate**
DEMİRHAN N.
ACTA CRYSTALLOGRAPHICA SECTION A, 2012 (Journal Indexed in SCI Expanded)
- VII. **Synthesis, characterization and biological activity of a new long-chain imine ligand and some transition metal complexes in solvent-free conditions**
Elmali F., Sutay B., Ozbek B., DEMİRHAN N.

MAIN GROUP CHEMISTRY, vol.11, no.3, pp.217-222, 2012 (Journal Indexed in SCI)

- VIII. **The Synthesis, Spectroscopic, Fluorescence, and Thermal Properties of a 1,10-phenanthroline Containing Derivative of Phenoxychlorotriphosphazene and its Ru(II) Complex**
Kecin I., Elmali F., DEMİRHAN N.
SYNTHESIS AND REACTIVITY IN INORGANIC METAL-ORGANIC AND NANO-METAL CHEMISTRY, vol.41, no.1, pp.1-7, 2011 (Journal Indexed in SCI)
- IX. **Synthesis and characterization of new thiourea derivatives substituted 1,10-phenanthroline and crown ether**
Elmali F., Avciata U., DEMİRHAN N.
MAIN GROUP CHEMISTRY, vol.10, no.1, pp.17-23, 2011 (Journal Indexed in SCI)
- X. **Synthesis and characterization of new D-pi-D type Schiff base ligands and its complexes with Cobalt(II), Ruthenium(II)**
ERDEN İ., DEMİRHAN N., Avciata U.
RUSSIAN JOURNAL OF INORGANIC CHEMISTRY, vol.55, no.12, pp.1903-1908, 2010 (Journal Indexed in SCI)
- XI. **SYNTHESIS AND CHARACTERIZATION OF 5-SALICYLIDENEIMINO-1,10-PHENANTHROLINE AND ITS Ni(II), Co(II) COMPLEXES**
Elmali F., DEMİRHAN N., Duman H., Avciata U.
REVIEWS IN INORGANIC CHEMISTRY, vol.29, no.4, pp.241-253, 2009 (Journal Indexed in SCI)
- XII. **Synthesis and characterisation of D-pi-D type Schiff base ligands derived from fluorene and 1,10-phenanthroline and its complexes with ruthenium(II)**
ELMALI F., ERDEN İ., DEMİRHAN N., Avciata U.
JOURNAL OF CHEMICAL RESEARCH, no.2, pp.90-92, 2009 (Journal Indexed in SCI)
- XIII. **Synthesis in solvent-free conditions, characterization and biological activity of a new Schiff-base ligand and its Cu(II) complex**
ELMALI F., PEKSEL A., DEMİRHAN N.
JOURNAL OF COORDINATION CHEMISTRY, vol.62, no.15, pp.2548-2555, 2009 (Journal Indexed in SCI)
- XIV. **Synthesis and characterization of a new fluorene ligand and its complexes with cobalt(II), copper(II), and ruthenium(II)**
ERDEN İ., ERDOĞMUŞ A., DEMİRHAN N., Avciata U.
TRANSITION METAL CHEMISTRY, vol.33, no.4, pp.439-442, 2008 (Journal Indexed in SCI)
- XV. **Synthesis and characterization of a Ni(II) and Cu(I) complexes of Schiff base derived from salicylaldehyde**
DEMİRHAN N., KARAOĞLAN G., AYDIN S.
ASIAN JOURNAL OF CHEMISTRY, vol.20, no.3, pp.2367-2372, 2008 (Journal Indexed in SCI)
- XVI. **Synthesis of a new thiourea derivative substituted 5,6-diamino-1,10-phenanthroline and crown ether and its complexes with Copper(II), Nickel(II) and Cobalt(II)**
ELMALI F., AVCIATA U., Demirhan N., Guel A.
POLISH JOURNAL OF CHEMISTRY, vol.81, no.10, pp.1725-1734, 2007 (Journal Indexed in SCI)
- XVII. **Synthesis and characterization of a new Schiff base ligand derived from benzo-15-crown-5 and its complexes with cobalt(II), nickel(II) and copper(II)**
Erden I., Demirhan N., Avciata U.
INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY, vol.45, no.6, pp.1395-1399, 2006 (Journal Indexed in SCI)
- XVIII. **Synthesis and characterization of a new imidazole ligand and its complexes with cobalt(II), nickel(II) and copper(II)**
Erden I., Demirhan N., Avciata U.
SYNTHESIS AND REACTIVITY IN INORGANIC METAL-ORGANIC AND NANO-METAL CHEMISTRY, vol.36, no.7, pp.559-562, 2006 (Journal Indexed in SCI)
- XIX. **Synthesis and characterisation of 5,6-bis(salicylideneimino)-1,10-phenanthroline and its trinuclear complexes**
Demirhan N., AVCIATA U., GUL A.

INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY, vol.44, no.4, pp.729-732, 2005 (Journal Indexed in SCI)

- XX. **Synthesis and characterization of a new vic-dioxime ligand and its complexes with cobalt(II), nickel(II) and copper(II)**
Demirhan N., Erden I., Avciata U.
INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY, vol.43, no.4, pp.782-785, 2004 (Journal Indexed in SCI)
- XXI. **Tetra-mu-nitroaminato-bis[aquacopper(II)]**
OZTURK S., AKKURT M., Demirhan N., KAHVECI B., FUN H., OCAL N.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.59, 2003 (Journal Indexed in SCI)
- XXII. **Spectrophotometric determination of iron(II) with 5-nitro-6-amino-1,10-phenanthroline**
Demirhan N., ELMALI F.
TURKISH JOURNAL OF CHEMISTRY, vol.27, no.3, pp.315-321, 2003 (Journal Indexed in SCI)
- XXIII. **Synthesis and characterization of 5,6-diamino-1,10-phenanthroline substituted anti-dichloroglyoxime and its complexes with cobalt(II), nickel(II), and copper(II)**
Demirhan N., ERDEN I., AVCIATA U.
SYNTHESIS AND REACTIVITY IN INORGANIC AND METAL-ORGANIC CHEMISTRY, vol.32, no.8, pp.1361-1372, 2002 (Journal Indexed in SCI)
- XXIV. **Synthesis of N,N'-bis[(benzo-15-crown-5)-oymethyl]diaminoglyoxime and its metal complexes**
AVCIATA U., Demirhan N., Gul A.
SYNTHESIS AND REACTIVITY IN INORGANIC AND METAL-ORGANIC CHEMISTRY, vol.29, no.5, pp.827-840, 1999 (Journal Indexed in SCI)
- XXV. **Synthesis of 4'-acetyl(benzo-15-crown-5)-oxime and its complexes with copper(II), nickel(II), cobalt(II) and uranyl(VI)**
AVCIATA U., DEMIRHAN N., Bozdogan A. E.
SYNTHESIS AND REACTIVITY IN INORGANIC AND METAL-ORGANIC CHEMISTRY, vol.28, no.3, pp.393-403, 1998 (Journal Indexed in SCI)
- XXVI. **Synthesis and characterization of a crown ether substituted salicylaldimine and its complexes with copper(II), cobalt(II), nickel(II), and uranyl(VI)**
AVCIATA U., Demirhan N., GUL A.
MONATSHEFTE FUR CHEMIE, vol.129, no.1, pp.9-18, 1998 (Journal Indexed in SCI)
- XXVII. **Synthesis of bis[(4,10-diaza-4,10-ditosyl-benzo-12-Crown-4) 4'-yl] diaminoglyoxime and its complexes**
AVCIATA U., Demirhan N., TEKER M.
JOURNAL OF INCLUSION PHENOMENA AND MOLECULAR RECOGNITION IN CHEMISTRY, vol.26, pp.27-38, 1996 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **FENOKSİ FOSFAZEN TÜREVİ SCHIFF BAZI GEÇİŞ METAL KOMPLEKSLERİNİN SENTEZİ KARAKTERİZASYONU**
Demirhan N., Nergis K.
31. Ulusal Kimya Kongresi, İstanbul, Turkey, 10 - 13 September 2019, pp.2118-2119
- II. **FENOKSİ FOSFAZEN TÜREVİ YENİ BİR SCHIFF BAZI LİGANDI SENTEZİ ve KARAKTERİZASYONU**
Demirhan N., Nergis K.
^1. Ulusal Kimya Kongresi, İstanbul, Turkey, 10 - 13 September 2019, pp.2118-2119
- III. **The Easy Soluble 1 10 phenanthroline Schiff base its Ru II Complex and Fluorescence Properties**
TÜNCEL ELMALI F., DEMİRHAN N., ERDOĞMUŞ A.
MOLCHEM, 19 - 21 December 2014
- IV. **Glisin Metil Ester türevi Ru(II) Kompleksinin Spektral ve Biyolojik Özellikleri**

Yörür Göreci Ç., Altaş N., Toraman A., Demirhan N.

2.Ulusal Organik Kimya Kongresi, Ankara, Turkey, 24 September 2014, pp.106

V. **Synthesis Characterization and Fluorescence Properties of a Schiff Base Derivative and its Ru II Complex**

DEMİRHAN N., TÜNCEL ELMALI F., ERDOĞMUŞ A.

MOLCHEM, 19 - 21 January 2014

VI. **Synthesis and Characterization of N-[1,10-Phenanthroline]-N'-[(Benzo-15-Crown-5)y] Thiourea and Its Complex with Copper(I)**

ELMALI F. T. , Avciata U., DEMİRHAN N., Guel A.

9th Eurasia Conference on Chemical Sciences, Antalya, Turkey, 9 - 13 September 2006, pp.367-369

Supported Projects

DEMİRHAN N., YÖRÜR GÖRECİ Ç., Project Supported by Higher Education Institutions, Yeni Schiff Bazı Ligandlarının ve Ru(II), Au(III) Komplekslerinin Solvent Kullanılmadan Sentezi, Karakterizasyonu ve Biyolojik Aktivitelerinin İncelenmesi, 2015 - 2018

DEMİRHAN N., Other Supported Projects, Uzu zincirli N- alkil ve fenoksi amin türevi trimerik ve lineer polimerik fosfazen türevlerinin ve Ru(II) komplekslerinin sentezi ve karakterizasyonu, 2012 - 2015

Demirhan N., Keser Karaoğlan G., Erden İ., Tüncel Elmalı F., Erdoğan A., Kecin İ., Project Supported by Higher Education Institutions, 1,10-Fenatrolin Türevi Bazı Siklik ve Polimerik Fosfazenlerin ve Fe (II) Komplekslerinin Sentezi, Karakterizasyonu, 2008 - 2010

DEMİRHAN N., Project Supported by Higher Education Institutions, 1,10-Fenatrolin Türevi Bazı Siklik ve Polimerik Fosfazenlerin ve Fe(II) Komplekslerinin Sentezi, Karakterizasyonu., 2008 - 2010

Avciata U., Keskin B., Erdoğan A., Erden İ., Demiryürek B., Demirhan N., Avciata O., Selimoğlu E., Tuncer S., CB Strateji ve Bütçe Başkanlığı (Kalkınma Bakanlığı) Projesi, Demir ve Saç Yüzeylerinin Korunması Amacıyla, Polimer Korumalı ve Çevre Kirliliği Yapmayan Organik Yapılı Aktif Maddeler Yardımıyla Pasın (Fe₂O₃) Atmosferden Etkilenmeyen Magnetite (Fe₃O₄) Dönüştürülmesi, 2004 - 2007

Keser Karaoğlan G., Demirhan N., Avciata U., Erden İ., Tüncel Elmalı F., Project Supported by Higher Education Institutions, 1,10-Fenatrolinden Türetilen Ligantların ve Metal Komplekslerinin Sentezi, Karakterizasyonu, Elde Edilen Bazı 1,10-Fenatrolin Türevleri ile Spektrofotometrik Olarak Demir(II) Miktar Tayini, 2000 - 2002

Citations

Total Citations (WOS):99

h-index (WOS):6