

Prof. HAKAN DAL

Personal Information

Email: hakandal@anadolu.edu.tr

Web: <https://avesis.anadolu.edu.tr/hakandal>

International Researcher IDs

ORCID: 0000-0003-0518-522X

Publons / Web Of Science ResearcherID: A-1160-2018

Yoksis Researcher ID: 58592

Education Information

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 1997 - 2002

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Kimya (Yl) (Tezli), Turkey 1994 - 1997

Undergraduate, Ankara University, Fen Fakültesi, Kimya Bölümü, Turkey 1989 - 1993

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Spiro-, ansa-, ve spiroansa fosfazen türevlerinin sentezi ve yapılarının incelenmesi, Ankara University, Fen Bilimleri Enstitüsü, Kimya (Dr), 2002

Postgraduate, N-Diklorofosforil-P-trikloromonofosfazen alkoliz ve aminoliz reaksiyonlarından oluşan ürünlerin yapılarının incelenmesi, Ankara University, Fen Bilimleri Enstitüsü, Kimya (Yl) (Tezli), 1997

Academic Titles / Tasks

Professor, Anadolu University, AÇIKÖĞRETİM FAKÜLTESİ, Tibbi Hizmetler Ve Teknikler Bölümü, 2019 - Continues

Professor, Diğer (Kurumlar,hastaneler Vb.), Kurumlar, Yükseköğretim Kurulu Başkanlığı, 2015 - Continues

Professor, Eskişehir Technical University, Fen Fakültesi, Kimya Bölümü, 2018 - 2019

Professor, Anadolu University, FEN FAKÜLTESİ, KİMYA BÖLÜMÜ, 2015 - 2018

Associate Professor, Anadolu University, FEN FAKÜLTESİ, KİMYA BÖLÜMÜ, 2008 - 2015

Assistant Professor, Anadolu University, FEN FAKÜLTESİ, KİMYA BÖLÜMÜ, 2002 - 2008

Research Assistant, Ankara University, Fen Fakültesi, Kimya Bölümü, 1995 - 2002

Courses

KİM338 X İşinları Analiz Teknikleri, Undergraduate, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010

THU203 Topluma Hizmet Uygulamaları, Undergraduate, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009

KIM441 Uygulamalı Kimya I, Undergraduate, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010

KİM442 Uygulamalı Kimya II , Undergraduate, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010
KİM257 Anorganik Kimya I , Undergraduate, 2011 - 2012
KİM334 Anorganik Kimya II, Undergraduate, 2011 - 2012, 2008 - 2009
KİM433 Anorganik Kimyada Ayırma Yöntemleri, Undergraduate, 2010 - 2011, 2009 - 2010
KİM121 Genel Kimya Laboratuvarı I, Undergraduate, 2010 - 2011
KİM101 Genel Kimya I, Undergraduate, 2010 - 2011
KİM101 Genel Kimya II, Undergraduate, 2010 - 2011
KİM102 Genel Kimya II, Undergraduate, 2010 - 2011
KİM326 Anorganik Kimya Laboratuvarı II, Undergraduate, 2010 - 2011, 2009 - 2010
KİM434 Koordinasyon Kimyası , Undergraduate, 2008 - 2009
KİM410 Kimya Uygulamaları I, Undergraduate, 2008 - 2009
KİM411 Kimya Uygulamaları II, Undergraduate, 2008 - 2009
KİM319 Anorganik Kimya I , Undergraduate, 2008 - 2009

Advising Theses

HAKAN D., Bazı diamin ve dihidrokси türevli, ağ yapılı polifosfazen mikrokürelerin sentezi ve yapısal özelliklerinin incelenmesi, Postgraduate, M.TEMEL(Student), 2015

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Ni(II) complexes with 1,3,2,4-dithiadiphosphetane 2,4-disulfide-based ligands: Structural insights, theoretical studies, and anticancer activities**
Bulat E, SAĞLAM E. G., Zeyrek C. T., AKKOÇ S., ZORLU Y., DAL H.
APPLIED ORGANOMETALLIC CHEMISTRY, vol.36, no.10, 2022 (SCI-Expanded)
- II. **New Heterobimetallic Ferrocenyl Dithiophosphonato Cd(II) and Hg(II) Complexes: DNA Interactions, Antimicrobial and Anticancer Activity Studies of the Cd(II) Complexes**
SAĞLAM E. G., AKKOÇ S., ACAR N., DAL H., Tutsak O., AÇIK L., Celik S. P.
CHEMISTRYSELECT, vol.6, no.44, pp.12496-12505, 2021 (SCI-Expanded)
- III. **New heterobimetallic nickel(II) ferrocenyldithiophosphonato complexes: Syntheses, characterization, antiproliferative activity and X-ray, DFT, molecular docking studies on trans-bis-[O-3-methyl-1-butyl-(ferrocenyl) dithiophosphonato]nickel(II)**
SAĞLAM E. G., AKKOÇ S., Zeyrek C. T., DAL H., Tutsak O.
INORGANICA CHIMICA ACTA, vol.514, 2021 (SCI-Expanded)
- IV. **New energetic Silver(I) complexes with Nnn type Pyrazolylpyridine ligands and oxidizing anions**
Atakol A., Svoboda I., DAL H., ATAKOL O., NAZIR H.
JOURNAL OF MOLECULAR STRUCTURE, vol.1210, 2020 (SCI-Expanded)
- V. **Syntheses and structural characterization of new trans-bis-[n-butyl-(p-methoxyphenyl) dithiophosphinato] nickel(II), the pyridine derivative thereof, and bis-{bis-[n-butyl-(p-methoxyphenyl) dithiophosphinato]cobalt(II)} complexes**
SAĞLAM E. G., DAL H., Mougang-Soume B., HÖKELEK T.
JOURNAL OF MOLECULAR STRUCTURE, vol.1202, 2020 (SCI-Expanded)
- VI. **Efficient syntheses and antimicrobial activities of new thiophene containing pyranone and quinolinone derivatives using manganese(iii) acetate: the effect of thiophene on ring closure-opening reactions**
YAKUT M., YILMAZ M., Nishino H., ÇİNAR AVAR E., DAL H., Pekel A. T., HÖKELEK T.
NEW JOURNAL OF CHEMISTRY, vol.43, no.15, pp.5737-5751, 2019 (SCI-Expanded)
- VII. **Syntheses of and structural studies on some square planar dithiophosphonato Ni(II) complexes, octahedral pyridine derivatives thereof and X-ray crystallography, DFT and molecular docking**

studies of the latter

SAĞLAM E. G., Bulat E., Zeyrek C. T., DAL H., HÖKELEK T.

JOURNAL OF MOLECULAR STRUCTURE, vol.1178, pp.112-125, 2019 (SCI-Expanded)

- VIII. **Synthesis, Quantum Chemical Calculations and Molecular Docking Studies, Biological and Anion Sensor Properties of (E)-4-[(4-ethoxy-phenylimino)methyl]-2-methoxyphenol**
Zeyrek C. T., ÜNVER H., BOYACIOĞLU B., DEMİR N., Yapar G., DAL H., Yıldız M.

CROATICA CHEMICA ACTA, vol.91, no.3, pp.341-355, 2018 (SCI-Expanded)

- IX. **Synthesis, characterization, and investigations of antimicrobial activity of benzopyrans, benzofurans and spiro[4.5]decanes**

Akpınar D. E., YAKUT M., Aslan H., ALAGÖZ O., Oktemer A., DAL H., Hokelek T., LOĞOĞLU E.

SYNTHETIC COMMUNICATIONS, vol.48, no.19, pp.2510-2521, 2018 (SCI-Expanded)

- X. **Synthesis, characterization and computational investigation of novel metalloporphyrazines containing 15-membered O₂S₂-donor macrocyclic moieties**

Baygu Y., YILDIZ B., Karac İ., DAL H., GÖK Y.

JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.22, no.1-3, pp.207-220, 2018 (SCI-Expanded)

- XI. **Synthesis of ferrocene substituted dihydrofuran derivatives via manganese(III) acetate mediated radical addition-cyclization reactions**

Aslan H., Oktemer A., DAL H., Hokelek T.

TETRAHEDRON, vol.73, no.51, pp.7223-7232, 2017 (SCI-Expanded)

- XII. **Syntheses, characterization of and studies on the electrochemical behaviour of ferrocenyl dithiophosphonates and 4-methoxyphenyl dithiophosphonates**

SAĞLAM E. G., Erden S., Tutsak O., ESKİKÖY BAYRAKTEPE D., Durmus Z. Y., DAL H., Ebinc A.

PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.192, no.3, pp.322-329, 2017 (SCI-Expanded)

- XIII. **The synthesis, characterization and computational investigation of new metalloporphyrazine containing 15-membered S-4 donor macrocyclic moieties**

Yıldız B., Baygu Y., KARA İ., DAL H., GÖK Y.

TETRAHEDRON, vol.72, no.44, pp.6972-6981, 2016 (SCI-Expanded)

- XIV. **Phosphorus nitrogen compounds: Part 34. Syntheses, structural investigations, cytotoxic and biological activities of spiroansa-spiro and spiro-bino-spiro tetrameric phosphazene derivatives**

Berberoglu I., ASMAFİLİZ N., Kılıç Z., Hokelek T., Koc L. Y., AÇIK L., TÜRK M., Soltanzade H., DAL H.

INORGANICA CHIMICA ACTA, vol.446, pp.75-86, 2016 (SCI-Expanded)

- XV. **Phosphorus-nitrogen compounds part 33: in vitro cytotoxic and antimicrobial activities, DNA interactions, syntheses, and structural investigations of new mono(4-nitrobenzyl)spirocyclotriphosphazenes**

OKUMUŞ A., AKBAŞ H., Kılıç Z., Koc L. Y., AÇIK L., AYDIN B., TÜRK M., Hokelek T., DAL H.

RESEARCH ON CHEMICAL INTERMEDIATES, vol.42, no.5, pp.4221-4251, 2016 (SCI-Expanded)

- XVI. **Syntheses and structural characterizations of a new benzyl(4-methoxyphenyl)dithiophosphinic acid and its Ni(II), Co(II), Zn(II), Cd(II), and Ni-pyridine complexes**

SAĞLAM E. G., ACAR N., Mougang-Soume B., DAL H., Hokelek T.

PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.191, no.1, pp.22-29, 2016 (SCI-Expanded)

- XVII. **Hydrothermal Synthesis and Crystal Structure of Novel Oxovanadium Coordination Polymer: [((VO)_{0-IV})₍₂₎(OH)₍₂₎(C₁₀H₆(COO)₍₂₎)](infinity)**

ÇEVİK S., Alkaya Z. A., DAL H., SARI M.

SYNTHESIS AND REACTIVITY IN INORGANIC METAL-ORGANIC AND NANO-METAL CHEMISTRY, vol.46, no.9, pp.1426-1431, 2016 (SCI-Expanded)

- XVIII. **New NO donor ligands and complexes containing furfuryl or crown ether moiety: Syntheses, crystal structures and tautomerism in ortho-hydroxy substituted compounds as studied by UV-vis spectrophotometry**

Sahin D., Kocoglu S., Sener O., Senol C., DAL H., Hokelek T., HAYVALI Z.

- JOURNAL OF MOLECULAR STRUCTURE, vol.1102, pp.302-313, 2015 (SCI-Expanded)
- XIX. **Synthesis, biological activity, DNA binding and anion sensors, molecular structure and quantum chemical studies of a novel bidentate Schiff base derived from 3,5-bis(trifluoromethyl)aniline and salicylaldehyde**
YILDIZ M., Karpuz Ö., Zeyrek C. T., BOYACIOĞLU B., DAL H., DEMİR N., YILDIRIM N., ÜNVER H.
Journal of Molecular Structure, vol.1094, pp.148-160, 2015 (SCI-Expanded)
- XX. **Phosphorus-nitrogen compounds: Part 31. Syntheses, structural and stereogenic properties, in vitro cytotoxic and antimicrobial activities, and DNA interactions of bicyclotetraphosphazenes containing bulky side group**
Mutlu G., ELMAS G., Kılıç Z., Hökelek T., Koç L. Y., Türk M., AÇIK L., AYDIN B., DAL H.
Inorganica Chimica Acta, vol.436, pp.69-81, 2015 (SCI-Expanded)
- XXI. **Experimental and theoretical investigation of a novel mononuclear copper(II) azido compound with tridentate (NNO) Schiff base**
KARAHAN ÇAKMAKÇI A. G., Karabulut S., DAL H., Kurtaran R., Leszczynski J.
Journal of Molecular Structure, vol.1093, pp.1-7, 2015 (SCI-Expanded)
- XXII. **Structural characterization, electrochemical, photoluminescence and thermal properties of potassium ion-mediated coordination polymer**
Ceyhan G., Kose M., Tümer M., DAL H.
Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, vol.142, pp.8-14, 2015 (SCI-Expanded)
- XXIII. **Synthesis and characterization of complexes of a novel proton transfer salt and their inhibition studies on carbonic anhydrase isoenzymes**
Ilkimen H., Yenikaya C., SARI M., Bülbül M., Tunca E., DAL H., Baş M.
Journal of Enzyme Inhibition and Medicinal Chemistry, vol.30, no.2, pp.195-203, 2015 (SCI-Expanded)
- XXIV. **A Tridentate In Situ Generated Ligand Leading the Self-Assembly of a Transition Metal Coordination Polymer: Solvothermal Synthesis and Structural Characterization of 1D Cadmium Pyridine-2-Carboxylate**
ÇEVİK S., Telli B., DAL H., SARI M.
SYNTHESIS AND REACTIVITY IN INORGANIC METAL-ORGANIC AND NANO-METAL CHEMISTRY, vol.45, no.1, pp.139-144, 2015 (SCI-Expanded)
- XXV. **Phosphorus-nitrogen compounds. Part 29. Syntheses, crystal structures, spectroscopic and stereogenic properties, electrochemical investigations, antituberculosis, antimicrobial and cytotoxic activities and DNA interactions of ansa-spiro-ansa cyclotetraphosphazenes**
ELMAS G., OKUMUŞ A., Koç L., Soltanzade H., Kılıç Z., Hökelek T., DAL H., AÇIK L., Üstündəz Z., DÜNDAR D., et al.
European Journal of Medicinal Chemistry, vol.87, pp.662-676, 2014 (SCI-Expanded)
- XXVI. **An experimental and theoretical investigation on adsorption properties of some diphenolic Schiff bases as corrosion inhibitors at acidic solution/mild steel interface**
YURT ŞEN A., DURAN B., DAL H.
Arabian Journal of Chemistry, vol.7, no.5, pp.732-740, 2014 (SCI-Expanded)
- XXVII. **Synthesis and characterization of a proton transfer salt between 2,6-pyridinedicarboxylic acid and 2-aminobenzothiazole, and its complexes and their inhibition studies on carbonic anhydrase isoenzymes**
İLKİMEN H., YENİKAYA C., SARI M., BÜLBÜL M., TUNCA E., DAL H.
JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, vol.29, no.3, pp.353-361, 2014 (SCI-Expanded)
- XXVIII. **Intramolecular Hydrogen Bonding and Tautomerism in Schiff Bases: Synthesis, Spectroscopic and Theoretical Studies of N-(2,2'-Methylenebis(4-methoxyphenyl))salicylidene and N-(2,2'-Methylenebis(4-methoxyphenyl))-2-oxonaphthalidene-methylamine**
Dal H.
ASIAN JOURNAL OF CHEMISTRY, vol.26, no.9, pp.2759-2767, 2014 (SCI-Expanded)
- XXIX. **Two new pyridine-2,3-dicarboxylate coordination polymers prepared from zerovalent metal precursor: Syntheses, luminescent and magnetic properties**
SEMERCİ F., YEŞİLEL O. Z., SOYLU M. S., Yerli Y., DAL H.

- JOURNAL OF SOLID STATE CHEMISTRY, vol.210, no.1, pp.224-231, 2014 (SCI-Expanded)
- XXX. **The Tetra[N-phenylanthranilate](O,O')bis[(2-amino-4-methyl)pyridine Copper(II)] Complex Crystal**
TAŞ M., Titiz A., Karabag E., Kaya M., Ataseven M., DAL H.
- SYNTHESIS AND REACTIVITY IN INORGANIC METAL-ORGANIC AND NANO-METAL CHEMISTRY, vol.43, no.9, pp.1212-1223, 2013 (SCI-Expanded)
- XXXI. **Construction of homo- and heterometallic-pyridine-2,3-dicarboxylate metallosupramolecular networks with structural diversity: 1D T5(2) water tape and unexpected coordination mode of pyridine-2,3-dicarboxylate**
Semerci F., YEŞİLEL O. Z., Keskin S., DARCAN C., TAŞ M., DAL H.
- CRYSTENGCOMM, vol.15, no.6, pp.1244-1256, 2013 (SCI-Expanded)
- XXXII. **Synthesis and characterization of Tetrakis-mu-[N-phenylanthranilate] (O,O')-bis[(4-vinylpyridine copper(II)] complex**
TAŞ M., Karabag E., Titiz A., Kaya M., Ataseven M., DAL H.
- ZEITSCHRIFT FÜR KRISTALLOGRAPHIE-CRYSTALLINE MATERIALS, vol.228, no.2, pp.92-99, 2013 (SCI-Expanded)
- XXXIII. **Phosphorus-Nitrogen Compounds. Part 24. Syntheses, Crystal Structures, Spectroscopic and Stereogenic Properties, Biological Activities, and DNA Interactions of Novel Spiro-ansa-spiro- and Ansa-spiro-ansa-cyclotetraphosphazenes**
ELMAS G., OKUMUŞ A., Kilic Z., Hokelek T., AÇIK L., DAL H., Ramazanoglu N., Koc L. Y.
- INORGANIC CHEMISTRY, vol.51, no.23, pp.12841-12856, 2012 (SCI-Expanded)
- XXXIV. **One-dimensional cyano-bridged heterometallic (Cu/Ni and Cu/Pd) complexes with 1-ethylimidazole**
Cetinkaya F., KÜRKÇÜOĞLU G. S., YEŞİLEL O. Z., Hokelek T., DAL H.
- POLYHEDRON, vol.47, no.1, pp.126-133, 2012 (SCI-Expanded)
- XXXV. **Phosphorus-nitrogen compounds. Part 23: Syntheses, structural investigations, biological activities, and DNA interactions of new N/O spirocyclotriphosphazenes**
ASMAFİLİZ N., Kilic Z., HAYVALI Z., AÇIK L., Hokelek T., DAL H., Oner Y.
- SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.86, pp.214-223, 2012 (SCI-Expanded)
- XXXVI. **Syntheses, spectroscopic and structural characterizations and metal ion binding properties of Schiff bases derived from 4'-aminobenzo-15-crown-5**
Guler H., HAYVALI Z., DAL H., Hokelek T.
- POLYHEDRON, vol.31, no.1, pp.688-696, 2012 (SCI-Expanded)
- XXXVII. **SYNTHESIS AND SPECTROSCOPIC CHARACTERIZATIONS OF NOVEL Ni(II) AND Co(II) DITHIOPHOSPHINATE COMPLEXES, AND X-RAY STUDIES ON THE Ni(II) COMPLEX**
SAĞLAM E. G., Yilmaz H., DAL H., Hokelek T.
- PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.187, no.2, pp.213-224, 2012 (SCI-Expanded)
- XXXVIII. **The two Bis(4-aminosalicylato-O) bis(N,N-dimethylethylenediamine)Ni(II) complexes**
TAŞ M., Camur S., Kilic Y., DAL H.
- ZEITSCHRIFT FÜR KRISTALLOGRAPHIE-CRYSTALLINE MATERIALS, vol.227, no.12, pp.837-842, 2012 (SCI-Expanded)
- XXXIX. **Synthesis and crystal structure of cyano-bridged three dimensional polyheteronuclear complex**
Karaagac D., KÜRKÇÜOĞLU G. S., YEŞİLEL O. Z., Hokelek T., DAL H.
- ZEITSCHRIFT FÜR KRISTALLOGRAPHIE-CRYSTALLINE MATERIALS, vol.227, no.9, pp.639-645, 2012 (SCI-Expanded)
- XL. **Phosphorus-nitrogen compounds part 22. Syntheses, structural investigations, biological activities and DNA interactions of new mono and bis (4-fluorobenzyl) spirocyclophosphazenes**
OKUMUŞ A., Kilic Z., Hokelek T., DAL H., AÇIK L., Oner Y., Koc L. Y.
- POLYHEDRON, vol.30, no.17, pp.2896-2907, 2011 (SCI-Expanded)
- XLI. **Two novel 2D and 3D coordination polymers constructed from pyrazine-2,3-dicarboxylic acid and chloride bridged secondary building units**
Gunay G., YEŞİLEL O. Z., SOYLU M. S., Keskin S., DAL H.

- SYNTHETIC METALS, vol.161, no.21-22, pp.2471-2480, 2011 (SCI-Expanded)
- XLII. **Cyano-Bridged Heteropolynuclear Ni(II), Cu(II) and Cd(II) Complexes, [M(deten)(2)Ni(mu-CN)(2)(CN)(2)] (n)**
KÜRKÇÜOĞLU G. S., Hokelek T., Aksel M., YEŞİLEL O. Z., DAL H.
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.21, no.3, pp.602-610, 2011 (SCI-Expanded)
- XLIII. **Synthesis, characterization, tautomerism and theoretical study of some new Schiff base derivatives**
Turkoglu G., Berber H., DAL H., Ogretir C.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.79, no.5, pp.1573-1583, 2011 (SCI-Expanded)
- XLIV. **2-Methyl-5-nitro-1H-benzimidazol-6-amine dihydrate**
Dincer S., DAL H., Hokelek T.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.67, 2011 (SCI-Expanded)
- XLV. **Syntheses, characterizations and structures of NO donor Schiff base ligands and nickel(II) and copper(II) complexes**
Senol C., HAYVALI Z., DAL H., Hokelek T.
JOURNAL OF MOLECULAR STRUCTURE, vol.997, no.1-3, pp.53-59, 2011 (SCI-Expanded)
- XLVI. **Spectroscopic Determination of the Acid Dissociation Constants of Some 2-Hydroxy Schiff Base Derivatives**
Taktak F. F., Berber H., DAL H., Ogretir C.
JOURNAL OF CHEMICAL AND ENGINEERING DATA, vol.56, no.5, pp.2084-2089, 2011 (SCI-Expanded)
- XLVII. **The synthesis, molecular structure, FT-IR and XRD spectroscopic investigation of 4-[(2-{[(2-furylmethyl)imino]methyl}-4-methoxyphenoxy)methyl]benzonitrile: A comparative DFT study**
ALVER Ö., HAYVALI Z., Guler H., DAL H., ŞENYEL M.
JOURNAL OF MOLECULAR STRUCTURE, vol.991, no.1-3, pp.12-17, 2011 (SCI-Expanded)
- XLVIII. **Phosphorus-nitrogen compounds: Part 19. Syntheses, structural and electrochemical investigations, biological activities, and DNA interactions of new spirocyclic monoferrocenylcyclotriphosphazenes**
Ilter E. E., ASMAFİLİZ N., Kılıç Z., AÇIK L., Yavuz M., BALI E. B., Solak A. O., Buyukkaya F., DAL H., Hokelek T.
POLYHEDRON, vol.29, no.15, pp.2933-2944, 2010 (SCI-Expanded)
- XLIX. **catena-Poly[[bis(4-methylbenzoato- κ 2 O:O')lead(II)]- μ -nicotinamide- κ 2 N 1:0]**
Hokelek T., DAL H., Tercan B., ÇİMEN E., Necefolu H.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.66, 2010 (SCI-Expanded)
- L. **Syntheses, spectroscopic and crystallographic characterizations of 4-nitrobenzyloxy derivatives and benzofurans from ortho-substituted benzaldehydes and 4-nitrobenzyl bromide**
HAYVALI Z., DAL H., Koksal P., Sahin D., Hokelek T.
STRUCTURAL CHEMISTRY, vol.21, no.4, pp.837-845, 2010 (SCI-Expanded)
- LI. **Diaquabis(4-methoxybenzoato- κ 0 1)bis(nicotinamide- κ N 1)cobalt(II) dihydrate**
Hokelek T., DAL H., Tercan B., Tenlik E., NECEFOĞLU H.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.66, 2010 (SCI-Expanded)
- LII. **Diaquabis(4-methoxybenzoato- κ 0)bis(nicotinamide- κ N 1)nickel(II) dihydrate**
Hokelek T., DAL H., Tercan B., Tenlik E., NECEFOĞLU H.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.66, 2010 (SCI-Expanded)
- LIII. **catena-Poly[[(4-methylbenzoato- κ 0)manganese(II)]- μ -aqua-bis(μ -4-methylbenzoato- κ 0-2:O ') [(4-methylbenzoato- κ 0)manganese(II)]-bis(μ -N,N-diethylnicotinamide)- κ N-2(3):O;O:N-3]**
Hokelek T., DAL H., Tercan B., ÇİMEN E., NECEFOĞLU H.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.66, 2010 (SCI-Expanded)
- LIV. **Diaquabis(4-methylbenzoato- κ 0)bis(nicotinamide- κ N-1)manganese(II)**
NECEFOĞLU H., ÇİMEN E., Tercan B., DAL H., Hokelek T.
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.66, 2010 (SCI-Expanded)
- LV. **Tetrakis(μ -4-methylbenzoato- κ 0-2:O ')bis[(N,N-diethylnicotinamide- κ N-1)zinc(II)]**

- NECEFOĞLU H., ÇİMEN E., Tercan B., DAL H., Hokelek T.
 ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.66, 2010 (SCI-Expanded)
- LVI. **N-ferrocenoyl benzotriazole: A convenient tool for the synthesis of ferrocenoyl esters**
 HÜR D., EKTİ S. F., DAL H.
 JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.695, no.7, pp.1031-1034, 2010 (SCI-Expanded)
- LVII. **Tetrakis(mu-4-methylbenzoato-kappa O-2:O ')bis[(isonicotinamide-kappa N)copper(II)]**
 NECEFOĞLU H., ÇİMEN E., Tercan B., DAL H., Hokelek T.
 ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.66, 2010 (SCI-Expanded)
- LVIII. **The new dispirobino and dispiroansa spermine derivatives of cyclotriphosphazenes**
 Ciftci G. Y., DAL H., TANRIVERDİ EÇİK E., Hokelek T., KILIÇ A., ŞENKUYTU E.
 POLYHEDRON, vol.29, no.4, pp.1209-1218, 2010 (SCI-Expanded)
- LIX. **Synthesis of New Phosphorus Ylides: Spectroscopic and X-ray Structural Studies**
 Sabounchei S. J., Shahriary P., Nojini Z. B., Khavasi H. R., Arici C., DAL H.
 HETEROATOM CHEMISTRY, vol.21, no.7, pp.475-485, 2010 (SCI-Expanded)
- LX. **Tetrakis[mu-4-(dimethylamino)benzoato-kappa O-2:O ']bis[(N,N-diethylnicotinamide-kappa N-1)zinc(II)]**
 HÖKELEK T., DAL H., Tercan B., Aybirdi O., NECEFOĞLU H.
 ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.65, 2009 (SCI-Expanded)
- LXI. **Bis(isonicotinamide-kappa N-1)bis[4-(methylamino)benzoato]zinc(II) monohydrate**
 HÖKELEK T., DAL H., Tercan B., Aybirdi O., NECEFOĞLU H.
 ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.65, 2009 (SCI-Expanded)
- LXII. **Tetraaquabis(nicotinamide-kappa N-1)nickel(II) bis(2-fluorobenzoate)**
 HÖKELEK T., DAL H., Tercan B., ÖZBEK F. E., NECEFOĞLU H.
 ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.65, 2009 (SCI-Expanded)
- LXIII. **The reaction of thiophenoxyde with amino-substituted chloro-cyclotriphosphazenes**
 İBİŞOĞLU H., DAL H., HÖKELEK T., KILIÇ A., Un I., Vardi S.
 POLYHEDRON, vol.28, no.14, pp.2863-2870, 2009 (SCI-Expanded)
- LXIV. **Diaquabis(N,N-diethylnicotinamide-kappa N-1)bis[4-(dimethylamino)benzoato-kappa O]cobalt(II)**
 HÖKELEK T., DAL H., Tercan B., Aybirdi O., NECEFOĞLU H.
 ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.65, 2009 (SCI-Expanded)
- LXV. **Diaquabis[4-(dimethylamino)benzoato-kappa O](isonicotinamide-kappa N-1)manganese(II)**
 HÖKELEK T., DAL H., Tercan B., Aybirdi O., NECEFOĞLU H.
 ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.65, 2009 (SCI-Expanded)
- LXVI. **Ethyl 1-oxo-1,2,3,4-tetrahydro-9H-carbazole-3-carboxylate**
 HÖKELEK T., DAL H., Tercan B., Gocmenturk M., Ergun Y.
 ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.65, pp.1702-1712, 2009
 (SCI-Expanded)
- LXVII. **Ethyl 4-hydroxy-9-tosyl-9H-carbazole-3-carboxylate**
 HÖKELEK T., DAL H., Tercan B., Gulle S., Ergun Y.
 ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.65, pp.1515-1526, 2009
 (SCI-Expanded)
- LXVIII. **catena-Poly[[[diaquabis[4-(diethylamino)benzoato-kappa O]manganese(II)]-mu-aqua] dihydrate]**
 HÖKELEK T., DAL H., Tercan B., Aybirdi O., NECEFOĞLU H.
 ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.65, 2009 (SCI-Expanded)
- LXIX. **Diaquabis[4-(dimethylamino)benzoato](isonicotinamide)zinc(II)**
 HÖKELEK T., DAL H., Tercan B., Aybirdi O., NECEFOĞLU H.
 ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.65, 2009 (SCI-Expanded)
- LXX. **Diaquabis[4-(dimethylamino)benzoato]-kappa O-2,O ' ;kappa O-(isonicotinamide-kappa N-1)cobalt(II)**
 HÖKELEK T., Dal H., Tercan B., Aybirdi O., NECEFOĞLU H.
 ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.65, 2009 (SCI-Expanded)

- LXXI. **Diaquabis(2-chlorobenzoato-kappa O)bis(N,N-diethylnicotinamide-kappa N-1)nickel(II)**
HÖKELEK T., DAL H., Tercan B., ÖZBEK F. E., NECEFOĞLU H.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.65, 2009 (SCI-Expanded)
- LXXII. **Diaquabis(2-bromobenzoato-kappa O)bis(nicotinamide-kappa N-1)zinc(II)**
HÖKELEK T., DAL H., Tercan B., ÖZBEK F. E., NECEFOĞLU H.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.65, 2009 (SCI-Expanded)
- LXXIII. **Diaquabis(2-bromobenzoato-kappa O)bis(N,N-diethylnicotinamide-kappa N-1)manganese(II)**
HÖKELEK T., DAL H., Tercan B., ÖZBEK F. E., NECEFOĞLU H.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.65, 2009 (SCI-Expanded)
- LXXIV. **Diaquabis(4-methylaminobenzoato-kappa O)bis(nicotinamide-kappa N-1)nickel(II)**
HÖKELEK T., DAL H., Tercan B., Aybirdi O., NECEFOĞLU H.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.65, 2009 (SCI-Expanded)
- LXXV. **Diaquabis(2-bromobenzoato-kappa O)bis(N,N-diethylnicotinamide-kappa N-1)zinc(II)**
HÖKELEK T., DAL H., Tercan B., ÖZBEK F. E., NECEFOĞLU H.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.65, 2009 (SCI-Expanded)
- LXXVI. **Diaquabis(2-chlorobenzoato-kappa O)bis(nicotinamide-kappa N-1)nickel(II)**
HÖKELEK T., DAL H., Tercan B., Oezbek F. E., NECEFOĞLU H.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.65, 2009 (SCI-Expanded)
- LXXVII. **Formation of novel spiro, spiroansa and dispiroansa derivatives of cyclotetraphosphazene from the reactions of polyfunctional amines with octachlorocyclotetraphosphazatetraene**
İBİŞOĞLU H., Ciftci G. Y., KILIÇ A., TANRIVERDİ EÇİK E., ÜN I., DAL H., Hokelek T.
JOURNAL OF CHEMICAL SCIENCES, vol.121, no.2, pp.125-135, 2009 (SCI-Expanded)
- LXXVIII. **Phosphorus-nitrogen compounds: Synthesis and spectral investigations on new spiro-cyclic phosphazene derivatives**
Dal H., Suzen Y.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.67, no.5, pp.1392-1397, 2007 (SCI-Expanded)
- LXXIX. **Synthesis, spectral studies of salicylidine-pyridines: Crystal and molecular structure of 2-[(1E)-2-aza-2-(5-methyl (2-pyridyl)ethenyl)]-4-bromobenzen-1-ol**
Dal H., Suzen Y., Sahin E.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.67, no.3-4, pp.808-814, 2007 (SCI-Expanded)

Articles Published in Other Journals

- I. **Synthesis of some aryl ketoxime derivatives with their in vitro antimicrobial and cytotoxic activity**
KARAOSMANOĞLU O., BÜTÜN B., DAL H., SIVAS H., BENKLİ K.
Global Journal of Cancer Therapy, vol.5, no.1, 2019 (Peer-Reviewed Journal)
- II. **Crystal structure and Hirshfeld surface analysis of aquabis(nicotinamide-kappa N)bis(4-sulfamoylbenzoato-kappa O-1)copper(II)**
Hokelek T., Yavuz V., DAL H., NECEFOĞLU H.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.74, pp.45-55, 2018 (ESCI)
- III. **4-Methyl-N-(4-methylphenylsulfonyl)-N-phenylbenzenesulfonamide**
EREN B., DEMİR S., DAL H., Hokelek T.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.70, 2014 (ESCI)
- IV. **Antimicrobial, genotoxic and acute toxic effects of newly synthesized N-Pyridine schiff base derivatives**
KUNDUHOĞLU B., Pilatin S., CEYHAN E., DAL H.
Journal of Applied Pharmaceutical Science, vol.3, no.11, pp.5-10, 2013 (Scopus)
- V. **3[(5-Chloro-2-hydroxybenzylidene)-amino]-2-sulfanylidene-1,3-thiazolidin-4-one**

Refereed Congress / Symposium Publications in Proceedings

- I. **New heterobimetallic nickel(II) ferrocenyldithiophosphonato complexes: syntheses, structural characterization, X-ray, DFT and molecular docking studies on trans-bis-[0-3-methyl-1-butyl-(ferrocenyl)dithiophosphonato]nickel(II) and antiproliferative activity studies**
SAĞLAM E. G., AKKOÇ S., Zeyrek C. T., DAL H.
3rd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2020), Ankara, Turkey, 19 March 2020
- II. **New heterobimetallic nickel(II) ferrocenyldithiophosphonato complexes: Syntheses, structural characterization, antiproliferative activity and X-ray, DFT, molecular docking studies on trans-bis-[0-3-methyl-1-butyl-(ferrocenyl)dithiophosphonato]nickel(II)**
SAĞLAM E. G., AKKOÇ S., Zeyrek C. T., DAL H., Tutsak Ö.
3rd International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 19 - 20 March 2020
- III. **New {bis-pyridine-bis-[3-methyl-1-butoxy-(p-methoxyphenyl)phosphonodithioato]}nickel(II) Complex: Synthesis, Characterization, Single Crystal Structure and Theoretical Studies**
SAĞLAM E. G., ZEYREK C. T., DAL H., ÜNVER H., Ebinç A.
VII. Ulusal Anorganik Kimya Kongresi (Uluslararası katılımlı), Çorum, Turkey, 19 - 21 June 2019, vol.1, pp.15
- IV. **Syntheses and Structural Characterization of New trans-bis-[n-butyl-(p-methoxyphenyl)dithiophosphinato] nickel(II), the Pyridine Derivative Thereof, And bis-{bis-[n-butyl-(p-methoxyphenyl) dithiophosphinato]Cobalt(II)} Complexes.**
SAĞLAM E. G., DAL H., MougangSoum B., HÖKELEK T.
VII. Ulusal Anorganik Kimya Kongresi, Çorum, Turkey, 19 - 22 June 2019, vol.1, pp.13
- V. **A Modified Route for The Syntheses of Dithiophosphinic Acid Ni(II) Complex and Identification of The Product**
DAL H., SAĞLAM E. G., ACAR N., MougangSoum B., HÖKELEK T.
International Conference on Chemical, Pharmaceutical Sciences Applications, Sharm el-Sheikh, Egypt, 8 - 11 August 2017, pp.42-43
- VI. **Synthesis and Spectroscopic Investigation on Ferrocenyldithiophosphonato Cd(II) and Hg(II) Complexes**
SAĞLAM E. G., Tutsak Ö., DAL H.
ANCON, Ankara, Turkey, 5 October - 10 January 2017, vol.1, pp.176
- VII. **YENİ Cd(II) ve Hg(II) FERROSENİLDİTİYOFOSFONAT KOMPLEKSLERİNİN SENTEZİ ve YAPISAL KARAKTERİZASYONU**
SAĞLAM E. G., TUTSAK Ö., DAL H.
VI. Anorganik Kimya Kongresi, Burdur, Turkey, 18 - 21 May 2017, vol.1, pp.24
- VIII. **THE SYNTHESIS AND STRUCTURAL CHARACTERIZATION OF THE NEW DITHIOPHOSPHINIC ACID Ni II COMPLEX**
DAL H., SAĞLAM E. G., MougangSoume B., HÖKELEK T.
IV MEETING OF THE ITALIAN AND SPANISH CRYSTALLOGRAPHIC, 21 - 25 June 2016
- IX. **Synthesis and Crystal Structure of Nicotinamide Cobalt II Complexes**
DAL H., aybirdi ö., NECEFOĞLU H., TERCAN M. B., HÖKELEK T.
2017 International Conference on Engineering and Natural Science (ICENS 2017), 19 - 21 January 2016

Supported Projects

DAL H., N Diklorofosforil P trikloromonofosfazenin aminoliz ve alkoliz reaksiyonlarından oluşan ürünlerin yapılarının

incelenmesi, Continues

DAL H., N Piridin Sübstítüe Türevlerinin Hekzaklorosiklotrifosfazen ile Reaksiyonları ve Oluşan Ürünlerin Yapılarının Aydınlatılması, Continues

DAL H., Bino Spiro bino ve Spiro ansa Fosfazen Türü Bileşiklerin Sentezi Multinükleer Spektroskopik ve Kristallografik Yöntemlerle Yapılarının İncelenmesi, Continues

DAL H., Florlu Fosfit Ligandi Bağlanmış Rodyum Katalizörünün Sentezlenmesi ve Süperkritik Karbondioksit Ortamında Homojen Katalizleme ile Olefinlerin Hidrojenasyon ve Hidroformülasyon Tepkimelerine Uygulanmasının Araştırılması, Continues

DAL H., US HEALTH SECURITY PARTNERS: Improving Sceince knowledge for foreign students (01/07/2019-31/12/2019), 2019 - 2019

DAL H., Project Supported by Higher Education Institutions, Küükürt-Fosfor Grubu Komplekslerinin Sentezi ve Yapısal Karakterizasyonu, 2017 - 2018

DAL H., Project Supported by Higher Education Institutions, Bazı Ditiyofosfinik Asit Komplekslerinin Sentezi ve Antikanser Özelliklerinin Araştırılması, 2016 - 2017

DAL H., TUBITAK Project, Bazı Pertiyofosfonik Asit Anhidritlerinin Katılma Reaksiyonu Ürünlerinin Sentezi ve Yapılarının Aydınlatılması, 2014 - 2016

DAL H., Project Supported by Higher Education Institutions, Fosfabenzotriazol Türevlerinin Sentezi Yapılarının Aydınlatılması ve Sitotoksik Etkilerinin İncelenmesi, 2010 - 2016

DAL H., Kadmiyum Ditiyofosfat Komplekslerinin Sentezi ve Yapılarının Aydınlatılması, 2015 - 2015

DAL H., Project Supported by Higher Education Institutions, Sulfamoil Grubu İçeren Benzoik Asit ile 2 Aminobenzotiyazol Türevlerinin Tuzlarının Hazırlanması Cu II komplekslerinin Sentezlenmesi ve Yapılarının Aydınlatılması, 2014 - 2015

DAL H., Project Supported by Higher Education Institutions, 2-(5-Sübstítüe-Benzilidenamino)-Piridin-3-Ol Schiff Bazı Fosfazen Türevlerinin Sentezi ve Karakterizasyonu, 2012 - 2013

DAL H., TUBITAK Project, Ferrosenil Fosfazen Türevlerinin Sentezi Kristal Yapıları Spektroskopik ve Stereojenik Özelliklerinin İncelenmesi Biyolojik Aktifliklerinin ve DNA ya Etkilerinin Araştırılması, 2009 - 2011

DAL H., Project Supported by Higher Education Institutions, N-Sübstítüe-2-piridil-N-sübstítüe-2-hidroksibenzil Amin Türevlerinin Sentezi, Hekzaklorosiklotrifosfazen ile Reaksiyonları ve Oluşan Ürünlerin Yapılarının Aydınlatılması, 2006 - 2010

DAL H., Project Supported by Higher Education Institutions, Hekzaklorosiklotrifosfazelerin Nükleofilik Sübstítüsyon Reaksiyonlarının İncelenmesi, 2003 - 2005