

Prof. Hasan İbudak

Personal Information

Email: icbudak@omu.edu.tr

Web: <https://avesis.omu.edu.tr/icbudak>

International Researcher IDs

ORCID: 0000-0001-9969-2358

Yoksis Researcher ID: 6874

Education Information

Doctorate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 1992 - 1996

Postgraduate, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), Turkey 1989 - 1992

Undergraduate, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, Kimya Bölümü, Turkey 1984 - 1988

Dissertations

Doctorate, Bazı trietanolamin-metal komplekslerin sentezi spektroskopik termik özellikleri, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Kimya (Dr), 1996

Postgraduate, Fosfojipsten Amonyum Sülfat gübresi üretiminin termik analizle araştırılması, Ondokuz Mayıs University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 1992

Research Areas

Natural Sciences

Academic Titles / Tasks

Professor, Ondokuz Mayıs University, Fen Fakültesi, Kimya Bölümü, 2009 - Continues

Associate Professor, Ondokuz Mayıs University, Fen Fakültesi, Kimya Bölümü, 2002 - 2009

Assistant Professor, Ondokuz Mayıs University, Fen Fakültesi, Kimya Bölümü, 1996 - 2001

Research Assistant, Ondokuz Mayıs University, Fen Fakültesi, Kimya Bölümü, 1989 - 1996

Research Assistant, University of Aberdeen, 1994 - 1994

Academic and Administrative Experience

Ondokuz Mayıs University, 2015 - Continues

Ondokuz Mayıs University, 2008 - Continues

Courses

MOLEKÜLER SİMETRİ VE GRUP TEORİ, Postgraduate, 2013 - 2014

UV-Vis. SPEKTROSKOPİSİ, Doctorate, 2013 - 2014
ANORGANİK KİMYA I, Undergraduate, 2013 - 2014
TERMİK ANALİZ METOTLARI, Doctorate, 2013 - 2014
MOLEKÜLER SİMETRİYE GİRİŞ, Undergraduate, 2013 - 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Synthesis, Hirshfeld Surface, FTIR Analysis and Single Crystal X-Ray Structure of 2-Amino-3-Hydroxypyridinium Saccharinate**
Kannmazalp S., Sagher M., Dege N., İçbudak H.
Journal of Structural Chemistry, vol.64, no.6, pp.1137-1146, 2023 (SCI-Expanded)
- II. **Acesulfame based Co(II) complex: Synthesis, structural investigations, solvatochromism, Hirshfeld surface analysis and molecular docking studies**
Kansiz S., Tolan A., Azam M., DEGE N., Alam M., SERT Y., Al-Resayes S., İçbudak H.
POLYHEDRON, vol.218, 2022 (SCI-Expanded)
- III. **Synthesis, crystallographic structure, theoretical calculations, spectral and thermal properties of trans-diaquabis(trans-4-aminoantipyrine) cobalt(II) acesulfamate**
Kansiz S., Tolan A., İçbudak H., DEGE N.
JOURNAL OF MOLECULAR STRUCTURE, vol.1190, pp.102-115, 2019 (SCI-Expanded)
- IV. **EXPERIMENTAL AND THEORETICAL (DFT) STUDIES OF POLY[OCTA- μ (3)-ACESULFAMATO-O,O:N,O';O',N:O,O-TETRAAQUATETRABARIUM(II)] AND POLY[OCTA- μ (3)-ACESULFAMATO-O,O:N,O';O',N:O,O-TETRAAQUATETRASTRONTIUM(II)] COMPLEXES**
İçbudak H., Demirtas G., DEGE N.
MACEDONIAN JOURNAL OF CHEMISTRY AND CHEMICAL ENGINEERING, vol.34, no.1, pp.105-114, 2015 (SCI-Expanded)
- V. **Experimental and theoretical (DFT) studies of poly[octa- μ 3-acesulfamato-o, o:n, o';o',n:o, o-tetraaquatetrabarium(II)] and poly[octa- μ 3-acesulfamato-o, o:n, o';o', n:o, o-tetraaquatetrastrontium(II)] complexes**
İçbudak H., Demirtaş G., DEGE N.
Macedonian Journal of Chemistry and Chemical Engineering, vol.34, no.1, 2015 (SCI-Expanded)
- VI. **Experimental and DFT Studies on Poly[di- μ (3)-acesulfamato-O,O:O';O':O,O-di- μ -acesulfamato-O,O; N-di- μ -aqua-dicalcium(II)] Complex**
Demirtas G., DEGE N., İçbudak H., Yurdakul O., Buyukgungor O.
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.22, no.4, pp.671-679, 2012 (SCI-Expanded)
- VII. **trans-Bis(ethylenediamine-kappa N-2,N')bis(6-methyl-2,2,4-trioxo-3,4-dihydro-1,2 lambda(6),3-oxathiazin-3-ido-kappa N)copper(II)**
DEGE N., Demirtas G., İçbudak H.
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.68, 2012 (SCI-Expanded)
- VIII. **Thermal and EPR spectroscopic studies of novel coordination compound trans-bis(acesulfamato)tetraaquazinc(II) with Mn(II) impurity**
Fidan M., Icbudak H., Tapramaz R., Sahin Y.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.79, no.1, pp.17-20, 2011 (SCI-Expanded)
- IX. **Experimental and DFT computational study on hexaaquamagnesium(II) acesulfamate**
Demirtas G., DEGE N., İçbudak H., Yurdakul O., Buyukgungor O.
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.67, 2011 (SCI-Expanded)
- X. **Structural properties of trans-cyclohexane-1,2-diamine complexes of copper(II) and zinc(II) acesulfamates**
Sahin Z. S., Sevindi F., İçbudak H., Isik S.

ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, vol.66, 2010 (SCI-Expanded)

- XI. **Synthesis and Crystal Structure of Trans-bis(acesulfamato-O)tetraaquazinc(II)**
Sahin O., İcbudak H., Buyukgungor O.
CHINESE JOURNAL OF STRUCTURAL CHEMISTRY, vol.29, no.7, pp.1047-1050, 2010 (SCI-Expanded)
- XII. **The structure of poly[di-μ(3)-acesulfamato-O,O:O';O':O,O-di-μ-acesulfamato-O,O;N-di-μ-aqua-dicalcium(II)] a two dimensional coordination polymer.**
Demirtas G., DEGE N., İcbudak H., Yurdakul O.
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.66, 2010 (SCI-Expanded)
- XIII. **Effect of the Adsorptive Character of Filter Papers on the Concentrations Determined in Studies Involving Heavy Metal Ions**
Engin M. S., Uyanik A., Cay S., İcbudak H.
ADSORPTION SCIENCE & TECHNOLOGY, vol.28, no.10, pp.837-846, 2010 (SCI-Expanded)
- XIV. **Di-μ-acesulfamato-kappa N-3,O:O;kappa O-3:N,O-bis[(acesulfamato-kappa N-2,O)bis(3-methylpyridine)cadmium(II)]**
Sahin Z. S., İcbudak H., Isik S.
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, vol.65, 2009 (SCI-Expanded)
- XV. **Bis[μ-(acesulfamato-N,O:O)(acesulfamato-N,O)bis(2-methylpyridine)cadmium(II)].**
Sahin Z. S., İcbudak H., Isik S.
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.65, 2009 (SCI-Expanded)
- XVI. **Bis(acesulfamato-kappa O-4)diaquabis-(3-methylpyridine-kappa N)nickel(II)**
DEGE N., İcbudak H., Adiyaman E.
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.65, 2009 (SCI-Expanded)
- XVII. **Synthesis and characterization of N,N-diethylnicotinamide-acetylsalicylato complexes of Co(II), Ni(II), Cu(II), and Zn(II)**
Koese D. A., Necefoglu H., İcbudak H.
JOURNAL OF COORDINATION CHEMISTRY, vol.61, no.21, pp.3508-3515, 2008 (SCI-Expanded)
- XVIII. **Synthesis, characterization and chromotropic properties of Mn-II, Co-II, Ni-II and Cu-II with bis(acesulfamato)bis(3-methylpyridine) complexes**
İcbudak H., Adiyaman E., Uyanik A., Cakir S.
TRANSITION METAL CHEMISTRY, vol.32, no.7, pp.864-869, 2007 (SCI-Expanded)
- XIX. **Orotic acid complexes of Co(II), Ni(II), Zn(II) and Cd(II) with imidazole**
YEŞİLEL O. Z., Oelmez H., İcbudak H.
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.89, no.2, pp.555-559, 2007 (SCI-Expanded)
- XX. **Bis(acesulfamato-κO4)diaquabis(3-methylpyridine-κ N) nickel(II)**
DEGE N., İcbudak H., Adiyaman E.
Acta Crystallographica Section C: Crystal Structure Communications, vol.63, no.1, 2007 (SCI-Expanded)
- XXI. **Synthesis, thermal, spectroscopic and structural properties of di(aqua)bis(N,N'-dimethylethylenediamine-k(2)N,N')copper(II) acesulfamate**
İcbudak H., Uyanik A., Bulut A., Arici C., Uelkue D.
ZEITSCHRIFT FÜR KRISTALLOGRAPHIE, vol.222, no.8, pp.432-436, 2007 (SCI-Expanded)
- XXII. **Bis(acesulfamato-k(2)O(4),N)-bis(3-methylpyridine)copper(II)**
Dege N., İcbudak H., Adiyaman E.
ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, vol.62, 2006 (SCI-Expanded)
- XXIII. **Synthesis, structural characterization and chromotropism of a Ni(II) and a Co(II) compound with acesulfamate as a ligand**
İcbudak H., Adiyaman E., Cetin N., Bulut A., Buyukgungor O.
TRANSITION METAL CHEMISTRY, vol.31, no.5, pp.666-672, 2006 (SCI-Expanded)
- XXIV. **Decomposition pathway of diaquabis(N,N'-dimethyl-1,2-ethanediamine)Ni(II) acesulfamate - Thermal and mass spectroscopic data**
İcbudak H., Heren Z., Uyanik A., Odabasoglu M.
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.82, no.2, pp.303-306, 2005 (SCI-Expanded)

- XXV. **Phenanthroline Cu(II)-bentonite composite characterization**
Tabak A., Afsin B., Aygun S., Icbudak H.
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.81, no.2, pp.311-314, 2005 (SCI-Expanded)
- XXVI. **Bis(acesulfamato-kappa N-2(3),O-4)bis(2-aminopyrimidine-kappa N-1)copper(II)**
Bulut A., Icbudak H., Sezer G., Kazak C.
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, vol.61, 2005 (SCI-Expanded)
- XXVII. **Bis(acesulfamato)tetraaquacobalt(II)**
Icbudak H., Bulut A., Cetin N., Kazak C.
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, vol.61, 2005 (SCI-Expanded)
- XXVIII. **Synthesis, crystal structure and thermal properties of copper(II) orotato complex with 2,2'-bipyridine**
YEŞİLEL O. Z., ÖLMEZ H., Içbudak H., BÜYÜKGÜNGÖR O.
Zeitschrift fur Naturforschung - Section B Journal of Chemical Sciences, vol.60, no.11, pp.1138-1142, 2005 (SCI-Expanded)
- XXIX. **Synthesis, spectroscopic and thermal studies of the copper(II) aspartame chloride complex**
Çakır Ş., Coşkun E., Naumov P., Biçer E., Bulut I., Içbudak H., Çakır O.
Journal of Molecular Structure, vol.608, no.1, pp.101-107, 2002 (SCI-Expanded)
- XXX. **Structural studies of bis(o-sulfobenzimidato)praseodymium (III) chloride hexahydrate**
Içbudak H., Naumov P., Ristova M., Jovanovski G.
Journal of Molecular Structure, vol.606, no.1-3, pp.77-86, 2002 (SCI-Expanded)
- XXXI. **Synthesis and spectroscopic studies of the nicotinamide adducts of Cobalt(II), Nickel(II) and Zinc(II) chlorides**
Çakır S., Biçer E., Içbudak H., Naumov P., Korkmaz H., Çakır O.
Polish Journal of Chemistry, vol.75, no.3, pp.371-377, 2001 (SCI-Expanded)
- XXXII. **Thermal studies on solid complexes of uracil with some divalent transition metal ions**
Ölmez H., YEŞİLEL O. Z., Içbudak H.
Journal of Thermal Analysis and Calorimetry, vol.63, no.1, pp.105-116, 2001 (SCI-Expanded)
- XXXIII. **EPR Studies of Cu²⁺ Doped Zinc Saccharin, [Zn(sac)₂(H₂O₄).2H₂O Single Crystals**
Kartal I., KARABULUT B., Köksal F., Içbudak H.
Zeitschrift fur Naturforschung - Section A Journal of Physical Sciences, vol.55, no.11-12, pp.887-890, 2000 (SCI-Expanded)
- XXXIV. **Thermal properties of mixed-ligand bis(hydrazine) and bis(ethylenediamine) complexes of cobalt, nickel and copper saccharinates**
Içbudak H., Yazicilar T., YILMAZ V. T.
Thermochimica Acta, vol.335, no.1-2, pp.93-98, 1999 (SCI-Expanded)
- XXXV. **Bis[tris(2-hydroxyethyl)ammonium] hexachloroplatinate(IV)**
YILMAZ V. T., Içbudak H., Howie R. A.
Acta Crystallographica Section C: Crystal Structure Communications, vol.53, no.3, pp.294-296, 1997 (SCI-Expanded)
- XXXVI. **Synthesis and characterization of new mixed-ligand bis(hydrazine) and bis(ethylenediamine) complexes of cobalt, nickel and copper saccharinates**
Içbudak H., YILMAZ V. T.
Synthesis and Reactivity in Inorganic and Metal-Organic Chemistry, vol.27, no.10, pp.1517-1525, 1997 (SCI-Expanded)

Articles Published in Other Journals

- I. **Crystal structure and Hirshfeld surface analysis of 2-amino-3-hydroxypyridin-1-ium 6-methyl-2,2,4-trioxo-2H,4H-1,2,3-oxathiazin-3-ide**
Kansiz S., Faizi M. S. H., Aydin T. M., DEGE N., Içbudak H., Golenya I. A.

- II. **EPR Spectroscopic Investigation of Mn⁺² Acesulfam Metal Complex, [Mn(acs)₂(H₂O)₄]**
İÇBUDAK H., TAPRAMAZ R.
Sinop Üniversitesi Fen Bilimleri Dergisi, vol.5, no.1, pp.49-54, 2020 (Peer-Reviewed Journal)
- III. **Crystal Structure, Thermal Analysis, Spectroscopic Studies and DFT Calculations on Hexaaquamagnesium(II) Acesulfamate**
YURDAKUL Ö., DEMİRTAŞ G., DEGE N., İÇBUDAK H., KÖSE D. A., BÜYÜKGÜNGÖR O.
Hacettepe Journal of Biology and Chemistry, vol.44, no.1, pp.95-106, 2016 (Peer-Reviewed Journal)
- IV. **Synthesis and Characterization of the Nicotinamide-Acetylsalicylate Complexes of Co(II), Ni(II), Cu(II), and Zn(II)**
KÖSE D. A., İÇBUDAK H., NECEFOĞLU H.
Hacettepe Journal of Biology and Chemistry, vol.35, no.2, pp.123-128, 2007 (Peer-Reviewed Journal)
- V. **Thermal studies on solid complexes of saccharin with divalent transition metal ions**
İçbudak H., YILMAZ V. T., Ölmez H.
Journal of Thermal Analysis and Calorimetry, vol.53, no.3, pp.843-854, 1998 (Scopus)
- VI. **Crystal structure of tris(2-hydroxyethyl)ammonium bromide**
YILMAZ V. T., İçbudak H., Ölmez H., Howie R. A.
Turkish Journal of Chemistry, vol.20, no.1, pp.69-73, 1996 (Scopus)
- VII. **Thermal decomposition behaviour of some trivalent transition and inner-transition metal complexes of triethanolamine**
İçbudak H., YILMAZ V. T., Ölmez H.
Thermochimica Acta, vol.289, no.1, pp.23-32, 1996 (Scopus)
- VIII. **Thermal decomposition characteristics of ammonium hexachlorometallate(IV) complex salts of platinum metals**
YILMAZ V. T., İçbudak H.
Thermochimica Acta, vol.276, no.1-2, pp.115-122, 1996 (Scopus)
- IX. **Thermal decomposition of β -cyclodextrin inclusion complexes of ferrocene and their derivatives**
YILMAZ V. T., KARADAĞ A., İçbudak H.
Thermochimica Acta, vol.261, no.C, pp.107-118, 1995 (Scopus)
- X. **Thermal decompositions of some divalent transition metal complexes of triethanolamine**
İçbudak H., YILMAZ V. T., Ölmez H.
Journal of Thermal Analysis and Calorimetry, vol.44, no.3, pp.605-615, 1995 (Scopus)
- XI. **The degradation of cement superplasticizers in a high alkaline solution**
YILMAZ V. T., Odabaoğlu M., İçbudak H., Ölmez H.
Cement and Concrete Research, vol.23, no.1, pp.152-156, 1993 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **Acesulfam ve sakkarin bazı organik tuzların araştırılması ve elde edilmesi**
sagher M., İÇBUDAK H.
10. International Academic Studies Conference, Turkey, 28 October 2022
- II. **Synthesis, Crystal Structure, Thermal and Spectroscopic Properties of New Mn (II) Complex of 5-aminoisophthalic Acid with 4-picoline**
Tolan A., Özdemir A., Erdoğan G., TOPCU Y., İÇBUDAK H., HEREN Z.
International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), Ankara, Turkey, 26 - 27 April 2018, pp.935
- III. **Synthesis, thermal, spectroscopic and structural studies of lithium acesulfamate hydrate**
RAKHİMBAYEVA A., HEREN Z., DEGE N., İÇBUDAK H.
4th International Turk-Pak Conference on Chemical Sciences, 26 - 28 October 2017
- IV. **[Mn(acs)₂(H₂O)₄] Kompleksinin Termik ve Manyetik Davranışları**

İÇBUDAK H., Ölmez H., TAPRAMAZ R., TOPCU Y.

III. Ulusal Anorganik Kimya Kongresi, Çanakkale, Turkey, 19 - 22 May 2011, pp.328

V. **Thermal Behaviour of the Nicotinamide Adducts of Co II Ni II Cu II and Zn II Acetylsalicylates**

NECEFOĞLU H., İÇBUDAK H., KÖSE D. A., UYANIK A.

18th International Conference on Coordination and Bioinorganic Chemistry, Smolenice, Slovakia, 4 - 08 June 2001