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## Education Information

Doctorate, University of Aberdeen, England 1989 - 1991

Postgraduate, Ondokuz Mayıs University, Institute Of Science, Department Of Chemistry, Turkey 1985 - 1987

Undergraduate, Karadeniz Technical University, Fen Fakültesi, Kimya, Turkey 1978 - 1982

## Dissertations

Doctorate, Interactions Between Portland Cement and Sulphonated Melamine Formaldehyde Superplasticizer and Inorganic Glass Fibre”, Doktora Tezi, University of Aberdeen, 1991

Postgraduate, Fosforik asit üretim artışı fosfojipsin tanımı ve değerlendirme imkanlarının araştırılması, Ondokuz Mayıs University, Institute Of Science, 1987

## Research Areas

Inorganic Chemistry, Bioinorganic Chemistry, Coordination Chemistry

## Academic Titles / Tasks

Professor, Karadeniz Technical University, Fen Fakültesi, Kimya, 2022 - Continues

Professor, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Kimya, 2007 - 2022

Professor, Ondokuz Mayıs University, Faculty Of Arts And Sciences, Department Of Chemistry, 1999 - 2007

Associate Professor, Ondokuz Mayıs University, Faculty Of Arts And Sciences, Department Of Chemistry, 1993 - 1999

Assistant Professor, Ondokuz Mayıs University, Faculty Of Arts And Sciences, Department Of Chemistry, 1991 - 1993

## Academic and Administrative Experience

Dean, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Kimya, 2015 - 2019

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

- I. **Water-soluble copper(II) 5-fluorouracil complexes bearing polypyridyl co-ligands: synthesis, structures and anticancer activity**  
İÇSEL YILMAZ C., YILMAZ V. T., AYGÜN M., Erkisa M., Ulukaya E.  
Dalton transactions (Cambridge, England : 2003), vol.52, no.21, pp.7048-7058, 2023 (SCI-Expanded)
- II. **Synthesis, structural, magnetic and thermal studies of copper(II) 5,5-diethylbarbiturate complexes with nicotinamide, 2,2'-bipyridine and triethanolamine**  
YILMAZ V. T., YILMAZ F., İÇSEL YILMAZ C., AYGÜN M.  
Journal of Coordination Chemistry, vol.76, no.3-4, pp.414-423, 2023 (SCI-Expanded)
- III. **Novel 5-fluorouracil complexes of Zn(II) with pyridine-based ligands as potential anticancer agents**  
İcel C., Yılmaz V. T., Aygün M., Erkisa M., Ulukaya E.  
DALTON TRANSACTIONS, vol.51, no.13, pp.5208-5217, 2022 (SCI-Expanded)
- IV. **Palladium (II) complex and thalidomide intercept angiogenic signaling via targeting FAK/Src and Erk/Akt/PLC gamma dependent autophagy pathways in human umbilical vein endothelial cells**  
Aydinlik S., ÜVEZ A., Kiyan H. T., Gurel-Gurevin E., YILMAZ V. T., Ulukaya E., ARMUTAK E. İ.  
MICROVASCULAR RESEARCH, vol.138, 2021 (SCI-Expanded)
- V. **Preparation and Characterization of Palladium Derivate-Loaded Micelle Formulation in Vitro as an Innovative Therapy Option against Non-Small Cell Lung Cancer Cells**  
Erkisa M., ARI F., Buyukkoroglu G., Senel B., YILMAZ V. T., Ulukaya E.  
CHEMISTRY & BIODIVERSITY, vol.18, no.9, 2021 (SCI-Expanded)
- VI. **Combination of Histone Deacetylase Inhibitor with Cu(II) 5,5-diethylbarbiturate Complex Induces Apoptosis in Breast Cancer Stem Cells: A Promising Novel Approach**  
Erkisa M., Aztopal N., ERTÜRK E., Ulukaya E., YILMAZ V. T., ARI F.  
ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY, vol.21, no.14, pp.1850-1860, 2021 (SCI-Expanded)
- VII. **New manganese(II), iron(II), cobalt(II), nickel(II) and copper(II) saccharinate complexes of 2,6-bis(2-benzimidazolyl)pyridine as potential anticancer agents**  
İcel C., YILMAZ V. T., Aydinlik S., AYGÜN M.  
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.202, 2020 (SCI-Expanded)
- VIII. **A promising therapeutic combination for metastatic prostate cancer: Chloroquine as autophagy inhibitor and palladium(II) barbiturate complex**  
Erkisa M., Aydinlik S., Cevatemre B., Aztopal N., Akar R. O., ÇELİKLER KASIMOĞULLARI S., YILMAZ V. T., ARI F., Ulukaya E.  
BIOCHIMIE, vol.175, pp.159-172, 2020 (SCI-Expanded)
- IX. **Zn(ii), Cd(ii) and Hg(ii) saccharinate complexes with 2,6-bis(2-benzimidazolyl)pyridine as promising anticancer agents in breast and lung cancer cell lines via ROS-induced apoptosis**  
İcel C., YILMAZ V. T., Aydinlik S., AYGÜN M.  
DALTON TRANSACTIONS, vol.49, no.23, pp.7842-7851, 2020 (SCI-Expanded)
- X. **Trans-Pd/Pt(II) saccharinate complexes with a phosphine ligand: Synthesis, cytotoxicity and structure-activity relationship**  
İcel C., YILMAZ V. T., AYGÜN M., Ulukaya E.  
BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, vol.30, no.9, 2020 (SCI-Expanded)
- XI. **Cytotoxic platinum(II) complexes derived from saccharinate and phosphine ligands: synthesis, structures, DNA cleavage, and oxidative stress-induced apoptosis**  
İcel C., YILMAZ V. T., Cevatemre B., AYGÜN M., Ulukaya E.  
JOURNAL OF BIOLOGICAL INORGANIC CHEMISTRY, vol.25, no.1, pp.75-87, 2020 (SCI-Expanded)
- XII. **Synthesis, structures and catalytic activity of Pd(II) saccharinate complexes with monophosphines in direct arylation of five-membered heteroarenes with aryl bromides**

YILMAZ V. T., Içsel C., Turgut O. R., AYGÜN M., Evren E., ÖZDEMİR İ.

INORGANICA CHIMICA ACTA, vol.500, 2020 (SCI-Expanded)

- XIII. **Structures and anticancer activity of chlorido platinum(II) saccharinate complexes with mono- and dialkylphenylphosphines**  
Içsel C., YILMAZ V. T., Cevatemre B., AYGÜN M., Ulukaya E.  
JOURNAL OF INORGANIC BIOCHEMISTRY, vol.195, pp.39-50, 2019 (SCI-Expanded)
- XIV. **Unfolded Protein Response is Involved in Trans-Platinum (II) Complex-Induced Apoptosis in Prostate Cancer Cells via ROS Accumulation**  
Karakas D., Cevatemre B., ORAL H. B., YILMAZ V. T., Ulukaya E.  
ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY, vol.19, no.9, pp.1184-1195, 2019 (SCI-Expanded)
- XV. **Pd(II) and Pt(II) saccharinate complexes of bis(diphenylphosphino) propane/butane: Synthesis, structure, antiproliferative activity and mechanism of action**  
YILMAZ V. T., Içsel C., AYGÜN M., Erkisa M., Ulukaya E.  
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.158, pp.534-547, 2018 (SCI-Expanded)
- XVI. **Palladium(II) and platinum(II) saccharinate complexes with bis(diphenylphosphino)methane/ethane: synthesis, S-phase arrest and ROS-mediated apoptosis in human colon cancer cells**  
Içsel C., YILMAZ V. T., AYGÜN M., Cevatemre B., Alper P., Ulukaya E.  
DALTON TRANSACTIONS, vol.47, no.33, pp.11397-11410, 2018 (SCI-Expanded)
- XVII. **Synthesis, structures and anticancer potentials of platinum(II) saccharinate complexes of tertiary phosphines with phenyl and cyclohexyl groups targeting mitochondria and DNA**  
YILMAZ V. T., Içsel C., Turgut O. R., AYGÜN M., Erkisa M., TÜRKDEMİR M. H., Ulukaya E.  
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.155, pp.609-622, 2018 (SCI-Expanded)
- XVIII. **Structures and biochemical evaluation of silver(I) 5,5-diethylbarbiturate complexes with bis(diphenylphosphino)alkanes as potential antimicrobial and anticancer agents**  
YILMAZ V. T., Içsel C., Batur J., Aydinlik S., Sahinturk P., AYGÜN M.  
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.139, pp.901-916, 2017 (SCI-Expanded)
- XIX. **A palladium(II)-saccharinate complex of terpyridine exerts higher anticancer potency and less toxicity than cisplatin in a mouse allograft model**  
Cetin Y., Adiguzel Z., Polat H. U., Akkoc T., Tas A., Cevatemre B., Celik G., Carikci B., YILMAZ V. T., Ulukaya E., et al.  
ANTI-CANCER DRUGS, vol.28, no.8, pp.898-910, 2017 (SCI-Expanded)
- XX. **Synthesis, structures, DNA/protein binding, molecular docking, anticancer activity and ROS generation of Ni(II), Cu(II) and Zn(II) 5,5-diethylbarbiturate complexes with bis(2-pyridylmethyl) amine and terpyridine**  
YILMAZ V. T., Içsel C., Suyunova F., AYGÜN M., Cevatemre B., Ulukaya E.  
NEW JOURNAL OF CHEMISTRY, vol.41, no.16, pp.8092-8106, 2017 (SCI-Expanded)
- XXI. **Synthesis, structures and biomolecular interactions of new silver(I) 5,5-diethylbarbiturate complexes of monophosphines targeting Gram-positive bacteria and breast cancer cells**  
YILMAZ V. T., Içsel C., Batur J., Aydinlik S., CENGİZ M., Buyukgungor O.  
DALTON TRANSACTIONS, vol.46, no.25, pp.8110-8124, 2017 (SCI-Expanded)
- XXII. **The role of cell cycle progression for the apoptosis of cancer cells induced by palladium(II)-saccharinate complexes of terpyridine**  
Kacar O., Cevatemre B., Hatipoglu I., ARDA E. Ş. N., Ulukaya E., YILMAZ V. T., Acilan C.  
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- XXIII. **Cytotoxic and apoptotic effects of the combination of palladium (II) 5,5-diethylbarbiturate complex with bis(2-pyridylmethyl)amine and curcumin on non small lung cancer cell lines**  
Tunc D., DERE E., Karakas D., Cevatemre B., YILMAZ V. T., Ulukaya E.  
BIOORGANIC & MEDICINAL CHEMISTRY, vol.25, no.5, pp.1717-1723, 2017 (SCI-Expanded)
- XXIV. **Anti-angiogenic effect of a Palladium(II)-Saccharinate Complex of Terpyridine in vitro and in vivo**  
ARMUTAK E. İ., Gurel-Gurevin E., Kiyani H. T., Aydinlik S., YILMAZ V. T., Dimas K., Ulukaya E.  
MICROVASCULAR RESEARCH, vol.109, pp.26-33, 2017 (SCI-Expanded)

- XXV. **Apoptosis-inducing Effect of a Palladium(II) Complex-[PdCl(terpy)](sac)center dot 2H2O] on Ehrlich Ascites Carcinoma (EAC) in Mice**  
ARMUTAK E. İ., Ulukaya E., Gurel-Gurevin E., YAYLIM İ., İsbilen-Basok B., Sennazli G., Yuzbasioglu-Ozturk G., SÖNMEZ K., Celik F., KÜÇÜKHÜSEYİN Ö., et al.  
IN VIVO, vol.30, no.4, pp.457-464, 2016 (SCI-Expanded)
- XXVI. **Preparation of a Novel Nano-scale Lead (II) Zig-Zag Metal-Organic Coordination Polymer with Ultrasonic Assistance: Synthesis, Crystal Structure, Thermal Properties, and NBO Analysis of [Pb(mu-2-pinh)N-3 H2O](n)**  
Mirtamizdoust B., Bienko D. C., Hanifehpour Y., Tiekink E. R. T., YILMAZ V. T., Talemi P., Joo S. W.  
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.26, no.4, pp.819-828, 2016 (SCI-Expanded)
- XXVII. **Elucidation of molecular action mechanisms of cytotoxic palladium derivatives on various cancer cells**  
Kacar O., Hatipoglu I., YILMAZ V. T., ARDA E. Ş. N., Ulukaya E., Acilan C. A.  
EUROPEAN JOURNAL OF CANCER, vol.61, 2016 (SCI-Expanded)
- XXVIII. **Synthesis, Spectroscopic, Structural and Quantum Chemical Studies of a New Imine Oxime and Its Palladium(II) Complex: Hydrolysis Mechanism**  
Kaya Y., YILMAZ V. T., Buyukgungor O.  
MOLECULES, vol.21, no.1, 2016 (SCI-Expanded)
- XXIX. **Ni(II)/Cu(II)/Zn(II) 5,5-diethylbarbiturate complexes with 1,10-phenanthroline and 2,2'-dipyridylamine: synthesis, structures, DNA/BSA binding, nuclease activity, molecular docking, cellular uptake, cytotoxicity and the mode of cell death**  
YILMAZ V. T., Icel C., Suyunova F., AYGÜN M., Aztopal N., Ulukaya E.  
DALTON TRANSACTIONS, vol.45, no.25, pp.10466-10479, 2016 (SCI-Expanded)
- XXX. **Synthesis, characterization and structures of solvent-mediated Na(I)-Pd(II) heterometallic complexes containing [Pd(barb)(4)](2-) units (barb=5,5-diethylbarbiturate)**  
Icel C., YILMAZ V. T., Buyukgungor O.  
JOURNAL OF COORDINATION CHEMISTRY, vol.69, no.15, pp.2272-2280, 2016 (SCI-Expanded)
- XXXI. **Apoptosis-inducing Effect of a Palladium(II) Complex-[PdCl(terpy)](sac).2H2O] on Ehrlich Ascites Carcinoma (EAC) in Mice**  
Armutak E. İ., Ulukaya E., Gürel Gürevin E., Yaylım İ., İşbilen Boşak B., Şennazlı G., Yüzbaşıoğlu Öztürk G., Sönmez K., Çelik F., Küçük hüseyin Ö., et al.  
IN VIVO, vol.30, pp.457-464, 2016 (SCI-Expanded)
- XXXII. **Cationic Pd(II)/Pt(II) 5,5-diethylbarbiturate complexes with bis(2-pyridylmethyl)amine and terpyridine: Synthesis, structures, DNA/BSA interactions, intracellular distribution, cytotoxic activity and induction of apoptosis**  
Icel C., YILMAZ V. T., Kaya Y., Durmus S., SARIMAHMUT M., Buyukgungor O., Ulukaya E.  
JOURNAL OF INORGANIC BIOCHEMISTRY, vol.152, pp.38-52, 2015 (SCI-Expanded)
- XXXIII. **Addition of niclosamide to palladium(II) saccharinate complex of terpyridine results in enhanced cytotoxic activity inducing apoptosis on cancer stem cells of breast cancer**  
Karakas D., Cevatemre B., Aztopal N., ARI F., YILMAZ V. T., Ulukaya E.  
BIOORGANIC & MEDICINAL CHEMISTRY, vol.23, no.17, pp.5580-5586, 2015 (SCI-Expanded)
- XXXIV. **Structural, spectroscopic and quantum chemical studies of acetyl hydrazone oxime and its palladium(II) and platinum(II) complexes**  
Kaya Y., Icel C., YILMAZ V. T., Buyukgungor O.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1095, pp.51-60, 2015 (SCI-Expanded)
- XXXV. **Anti-growth effect of a novel trans-dichloridobis[2-(2-hydroxyethyl)pyridine] platinum (II) complex via induction of apoptosis on breast cancer cell lines**  
ORAL H. B., Cevatemre B., SARIMAHMUT M., Icel C., YILMAZ V. T., Ulukaya E.  
BIOORGANIC & MEDICINAL CHEMISTRY, vol.23, no.15, pp.4303-4310, 2015 (SCI-Expanded)
- XXXVI. **Anticancer Effect of a Novel Palladium-Saccharinate Complex of Terpyridine by Inducing Apoptosis**

**on Ehrlich Ascites Carcinoma (EAC) in Balb-C Mice**

ARMUTAK E. İ., SÖNMEZ K., AKGÜN DAR K., Sennazli G., KAPUCU A., Yigit F., YILMAZ V. T., Ulukaya E.  
ANTICANCER RESEARCH, vol.35, no.3, pp.1491-1497, 2015 (SCI-Expanded)

**XXXVII. Cytotoxic activity of novel palladium-based compounds on leukemia cell lines**

Antunovic M., Kriznik B., Ulukaya E., YILMAZ V. T., Mihalic K. C., Madunic J., Marijanovic I.  
ANTI-CANCER DRUGS, vol.26, no.2, pp.180-186, 2015 (SCI-Expanded)

**XXXVIII. New palladium(II) and platinum(II) 5,5-diethylbarbiturate complexes with 2-phenylpyridine, 2,2'-bipyridine and 2,2'-dipyridylamine: synthesis, structures, DNA binding, molecular docking, cellular uptake, antioxidant activity and cytotoxicity**

Icsel C., YILMAZ V. T., Kaya Y., ŞAMLI H., Harrison W. T. A., Buyukgungor O.  
DALTON TRANSACTIONS, vol.44, no.15, pp.6880-6895, 2015 (SCI-Expanded)

**XXXIX. BIS(N,N'-BIS(2-HYDROXYETHYL)ETHYLENEDIAMINE)NICKEL(II) SACCHARINATE: SYNTHESIS, CHARACTERIZATION AND CRYSTAL STRUCTURE**

Karadogan A., KARADAĞ A., YILMAZ V. T.  
MACEDONIAN JOURNAL OF CHEMISTRY AND CHEMICAL ENGINEERING, vol.34, no.1, pp.101-104, 2015 (SCI-Expanded)

**XL. Coordination complexes and polymers from the initial application of phenyl-2-pyridyl ketone azine in mercury chemistry**

Khandar A. A., Ghosh B. K., Lampropoulos C., Gargari M. S., YILMAZ V. T., Bhar K., Hosseini-Yazdi S. A., Cain J. M., Mahmoudi G.  
POLYHEDRON, vol.85, pp.467-475, 2015 (SCI-Expanded)

**XLI. Synthesis and crystal structures of new di- and polynuclear silver(I) saccharinate complexes with tertiary monophosphanes**

Buyukgungor O., YILMAZ V. T.  
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**XLII. A combined experimental and theoretical investigation of a new imineoxime and its palladium(II) and platinum(II) complexes: Synthesis, structural characterization and spectroscopic properties**

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SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.133, pp.93-101, 2014 (SCI-Expanded)

**XLIII. Preparation of PbS and PbO nanopowders from new Pb(II)(saccharine) coordination polymers**

Aslani A., Musevi S. J., ŞAHİN E., YILMAZ V. T.  
APPLIED SURFACE SCIENCE, vol.318, pp.206-212, 2014 (SCI-Expanded)

**XLIV. Biochemical and Proteomic Analysis of a Potential Anticancer Agent: Palladium(II) Saccharinate Complex of Terpyridine Acting through Double Strand Break Formation**

Adiguzel Z., BAYKAL A. T., Kacar O., YILMAZ V. T., Ulukaya E., Acilan C.  
JOURNAL OF PROTEOME RESEARCH, vol.13, no.11, pp.5240-5249, 2014 (SCI-Expanded)

**XLV. PALLADIUM (II)-SACCHARINATE COMPLEX OF TERPYRIDINE SEEMS TO BE A PROMISING NOVEL COMPOUND FOR THE TREATMENT OF LUNG CANCER IN VITRO**

Ulukaya E., Karakas D., ARI F., Aztopal N., Ayhan A. C., YILMAZ V. T.  
RESPIROLOGY, vol.19, pp.37, 2014 (SCI-Expanded)

**XLVI. Apoptosis-inducing effect of a palladium(II) saccharinate complex of terpyridine on human breast cancer cells in vitro and in vivo**

ARI F., Cevatemre B., ARMUTAK E. İ., Aztopal N., YILMAZ V. T., Ulukaya E.  
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**XLVII. Holodirected coordination sphere around lead(II) in three-dimensional polymeric structure; New precursor for preparation of lead oxide sulfate nano-structures**

Akhbari K., Beheshti S., Morsali A., YILMAZ V. T., Buyukgungor O.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1074, pp.279-283, 2014 (SCI-Expanded)

**XLVIII. Sonochemical syntheses of two nano-sized lead(II) metal-organic frameworks; application for catalysis and preparation of lead(II) oxide nanoparticles**

Hashemi L., Morsali A., YILMAZ V. T., Buyukgungor O., Khavasi H. R., Ashouri F., Bagherzadeh M.

JOURNAL OF MOLECULAR STRUCTURE, vol.1072, pp.260-266, 2014 (SCI-Expanded)

- XLIX. **Coordination versatility of 2,2'-(ethylenedioxy)bis(ethylamine) in new mono- and polynuclear metal(II) complexes of saccharinate: Synthesis, characterization and crystal structures**  
KARADAĞ A., Gozuacik A. K., YILMAZ V. T., Yerli Y., ŞAHİN E.  
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- L. **Breast cancer stem cells are more resistant than parental cells to a novel palladium (II) saccharinate complex**  
Karakas D., Aztopal N., Cevatemre B., ARI F., ORAL H. B., YILMAZ V. T., Ulukaya E.  
EUROPEAN JOURNAL OF CANCER, vol.50, 2014 (SCI-Expanded)
- L.I. **Palladium(II) and platinum(II) complexes of a new imineoxime ligand - Structural, spectroscopic and DFT/time-dependent (TD) DFT studies**  
Kaya Y., Icel C., YILMAZ V. T., Buyukgungor O.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.752, pp.83-90, 2014 (SCI-Expanded)
- L.II. **Theoretical study of hydrolysis of an imine oxime in aqueous solution and crystal structure and spectroscopic characterization of a platinum(II) complex containing the hydrolysis product**  
Kaya Y., YILMAZ V. T.  
STRUCTURAL CHEMISTRY, vol.25, no.1, pp.231-238, 2014 (SCI-Expanded)
- L.III. **Synthesis, crystal structures, in vitro DNA binding, antibacterial and cytotoxic activities of new di- and polynuclear silver(I) saccharinate complexes with tertiary monophosphanes**  
YILMAZ V. T., Gocmen E., Icel C., CENGİZ M., Susluer S. Y., Buyukgungor O.  
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B-BIOLOGY, vol.131, pp.31-42, 2014 (SCI-Expanded)
- L.IV. **Di- and polynuclear silver(I) saccharinate complexes of tertiary diphosphane ligands: synthesis, structures, in vitro DNA binding, and antibacterial and anticancer properties**  
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JOURNAL OF BIOLOGICAL INORGANIC CHEMISTRY, vol.19, no.1, pp.29-44, 2014 (SCI-Expanded)
- L.V. **Evaluation of the molecular mechanisms of a palladium(II) saccharinate complex with terpyridine as an anticancer agent**  
Kacar O., Adiguzel Z., YILMAZ V. T., Cetin Y., Cevatemre B., ARDA E. Ş. N., BAYKAL A. T., Ulukaya E., Acilan C.  
ANTI-CANCER DRUGS, vol.25, no.1, pp.17-29, 2014 (SCI-Expanded)
- L.VI. **In vitro DNA binding studies of the sweetening agent saccharin and its copper(II) and zinc(II) complexes**  
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- L.VII. **Synthesis, structural characterization and cell death-inducing effect of novel palladium(II) and platinum(II) saccharinate complexes with 2-(hydroxymethyl)pyridine and 2-(2-hydroxyethyl)pyridine on cancer cells in vitro**  
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- L.VIII. **Promising anti-growth effects of palladium(II) saccharinate complex of terpyridine by inducing apoptosis on transformed fibroblasts in vitro**  
Coskun M. D., ARI F., ORAL H. B., SARIMAHMUT M., Kutlu H. M., YILMAZ V. T., Ulukaya E.  
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- L.IX. **Palladium(II) saccharinate complexes with bis(2-pyridylmethyl) amine induce cell death by apoptosis in human breast cancer cells in vitro**  
ARI F., Ulukaya E., SARIMAHMUT M., YILMAZ V. T.  
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- LX. **A palladium(II) complex containing both carbonyl and imine oxime ligands: Crystal structure, experimental and theoretical UV-vis, IR and NMR studies**  
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- LXI. **Differential Cytotoxic Activity of a Novel Palladium-Based Compound on Prostate Cell Lines, Primary Prostate Epithelial Cells and Prostate Stem Cells**  
Ulukaya E., Frame F. M., Cevatemre B., Pellacani D., Walker H., Mann V. M., Simms M. S., Stower M. J., YILMAZ V. T., Maitland N. J.  
PLOS ONE, vol.8, no.5, 2013 (SCI-Expanded)
- LXII. **DNA Binding and Cleavage Studies of Two Palladium(II) Saccharinate Complexes with Terpyridine**  
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- LXIII. **Synthesis, crystal structures, DNA binding and cytotoxicity of two novel platinum(II) complexes containing 2-(hydroxymethyl)pyridine and pyridine-2-carboxylate ligands**  
Icel C., YILMAZ V. T., Gölcü A., Ulukaya E., Buyukgungor O.  
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- LXIV. **trans-Dichloridopalladium(II) and platinum(II) complexes with 2-(hydroxymethyl)pyridine and 2-(2-hydroxyethyl)pyridine: Synthesis, structural characterization, DNA binding and in vitro cytotoxicity studies**  
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- CXXXIV. **Monoclinic and triclinic concomitant polymorphs of di- $\mu$ -pyridazine-1  $\kappa$  N-2 : 2  $\kappa$  N-2'-bis[(saccharinato)silver(I)]**  
Hamamci S., YILMAZ V. T., Buyukgungor O.  
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- CXXXV. **A novel 1D coordination polymer [Pb(phen)( $\mu$ -N-3)( $\mu$ -NO<sub>3</sub>)](n) with the first Pb-2-( $\mu$ -N-3)(2) unit (phen=1,10-phenanthroline)**  
Marandi F., Mirtamizdoust B., Soudi A. A., YILMAZ V. T., Kazak C.  
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- CXXXVI. **A non-metallic ionic saccharinate. Synthesis, structure and DFT calculations of piperazinium disaccharinate**  
Gumus S., Guney S., YILMAZ V. T., Kazak C.  
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- CXXXVII. **Synthesis, crystal structure, spectroscopic and thermal properties of trans-[Ni(sac)(2)(aeppz)(2)] [sac =accharinate and aeppz N-(2-aminoethyl)piperazine]**  
Guney S., YILMAZ V. T., Harrison W.  
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- CXXXVIII. **Unusual template center dot center dot center dot template interactions in organically templated zincophosphate networks: {apyH[Zn(HPO<sub>4</sub>)(H<sub>2</sub>PO<sub>4</sub>)]center dot H<sub>2</sub>O}(n) and [meenH(2) [Zn-5(PO<sub>4</sub>)(4)]](n) (apyH=2-aminopyridinium and meenH(2) = monoethanol-ethylenediammonium)**  
YILMAZ V. T., DEMİR S., Kazak C., Harrison W.  
SOLID STATE SCIENCES, vol.7, no.10, pp.1247-1255, 2005 (SCI-Expanded)
- CXXXIX. **A second polymorph of 2-aminopyridinium dihydrogenphosphate**  
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- CXL. **Silver(I)-saccharinato complexes with 2-(aminomethyl)pyridine and 2-(2-aminoethyl)pyridine ligands: [Ag(sac)(ampy)] and [Ag-2(sac)(2)( $\mu$ -aepe)(2)]**  
Hamamci S., YILMAZ V. T., Harrison W.  
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- CXLI. **A chiral coordination polymer of silver(I) with saccharinate and pyridine: Synthesis, spectral, thermal, and structural characterization of [Ag(sac)(py)](n)**  
Hamamci S., YILMAZ V. T., Harrison W.  
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- CXLII. **C-H center dot center dot center dot O, C-H center dot center dot center dot pi and pi-pi interactions in three benzofuran-2-yl ketone derivatives**  
YILMAZ V. T., Kazak C., Kirilmis C., Koca M., Heinemann F.  
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- CXLIII. **1,3-Dibenzoylimidazolidine-2-thione and 1,3-dibenzoyl-3,4,5,6-tetrahydropyrimidine-2(1H)-thione**  
Kazak C., YILMAZ V. T., Servi S., Koca M., Heinemann F.  
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- CXLIV. **A new one-dimensional coordination polymer of silver(I) with bridging 2-(2-aminoethyl)pyridine and nitrate ligands: [Ag-2( $\mu$ -NO<sub>3</sub>)(2)( $\mu$ -aepe)(2)](n)**  
Senel E., YILMAZ V. T., Harrison W.  
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- CXLV. **trans-bis(saccharinato)zinc and -cadmium complexes with N-(2-aminoethyl)piperazine: Synthesis, crystal structures and IR spectra**  
YILMAZ V. T., Guney S., Harrison W.

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- CXLVI. **Silver(I)-saccharin coordination polymers with 2-pyridylmethanol and 2,6-pyridinedimethanol. Synthetic, spectroscopic, thermal and structural studies of [Ag(sac)( $\mu$ -mpy)](n) and [Ag( $\mu$ -sac)(dmpy)](n)**  
Hamamci S., YILMAZ V. T., Harrison W., Thone C.  
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- CXLVII. **Bis(saccharinato)copper(II) complexes with 2-aminomethylpyridine and 2-aminoethylpyridine: Syntheses, crystal structures, spectral and thermal characterizations of trans-[Cu(sac)(2)(ampy)(2)] and [Cu(sac)(2)(aepy)(H<sub>2</sub>O)] (ampy=2-aminomethylpyridine and aepy=2-aminoethylpyridine)**  
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- CXLVIII. **Di- and tetranuclear silver (I)-saccharinate complexes with 2-pyridineethanol and 2-pyridinepropanol: Syntheses, crystal structures, spectroscopic and thermal analyses of [Ag-2(sac)(2)(pyet)(2)] and [Ag-4(sac)(4)(pypr)(2)]**  
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- CXLIX. **The first tris(saccharinato) complexes. Syntheses, spectral, thermal and structural characterization of ApyH[Cu(N-sac)(2)(O-sac)(H<sub>2</sub>O)(2)] and ApyH[Zn(N-sac)(3)-(H<sub>2</sub>O)] (ApyH=2-aminopyridinium and sac = saccharinate)**  
Yilmaz V. T., YILMAZ F., Kazak C.  
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- CL. **Three 1,2,4-triazole derivatives containing substituted benzyl and benzylamino groups**  
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- CLI. **Veysel Turan YILMAZ [PDF] from degruyter.com Silver (I)-Saccharinato Complexes with 2-(Aminomethyl) pyridine and 2-(2-Aminoethyl) pyridine Ligands:[Ag (sac)(ampy)] and [Ag<sub>2</sub> (sac) 2 ( $\mu$ -aepy) 2]**  
Hamamci S., Yilmaz V. T., Harrison W. T.  
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- CLII. **Bis-(5,5'-diethylbarbiturato) copper(II) and cadmium(II) complexes with ethylenediamine. Synthesis, crystal structures, spectroscopic and thermal characterization of cis-[Cu(barb)(2)(en)] and {[Cd(barb)(2)( $\mu$ -en)]center dot 2H(2)O}(n)**  
YILMAZ F., Yilmaz V. T., Kazak C.  
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- CLIII. **Silver(I) saccharinato complexes with ethylenediamine and N,N-dimethylethylenediamine - [Ag-2(sac)(2)(en)(H<sub>2</sub>O)](n) and [Ag-2(sac)(2)(dmen)(2)]**  
YILMAZ V. T., Hamamci S., Kazak C.  
ZEITSCHRIFT FÜR ANORGANISCHE UND ALLGEMEINE CHEMIE, vol.631, no.10, pp.1961-1965, 2005 (SCI-Expanded)
- CLIV. **Two-dimensional holo- and hemidirected lead(II) coordination polymers: Synthetic, spectroscopic, thermal, and structural studies of [Pb( $\mu$ -SCN)(2)( $\mu$ -ebp)(1.5)](n) and {[Pb( $\mu$ -OAc)( $\mu$ -ebp)](ClO<sub>4</sub>)](n) (ebp=4,4'-[(1E)-ethane-1,2-diyl]bis[pyridine]; OAc = acetato)**  
Morsali A., YILMAZ V. T., Kazak C., Zhu L.  
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- CLV. **Bis-(5,5'-diethylbarbiturato)copper(II) and cadmium(II) Complexes with Ethylenediamine**  
Kazak C., Yilmaz F., YILMAZ V. T.  
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.61, 2005 (SCI-Expanded)
- CLVI. **[Hg-2( $\mu$ -bpe)( $\mu$ -OAc)(2)( $\mu$ -SCN)(2)], a new two-dimensional coordination polymer involving**

**three simultaneously bridging ligands: 1,2-bis(4-pyridyl)ethene, acetate, and thiocyanate**

Morsali A., YILMAZ V. T., Kazak C.

ZEITSCHRIFT FÜR ANORGANISCHE UND ALLGEMEINE CHEMIE, vol.631, no.9, pp.1577-1579, 2005 (SCI-Expanded)

- CLVII. **Synthesis, IR spectra, thermal analysis and crystal structure of a one-dimensional coordination polymer containing both three- and four-coordinate silver(I) centers bridged by both saccharinate and N-(2-hydroxyethyl)piperazine ligands**  
Hamamci S., YILMAZ V. T., Harrison W.  
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- CLVIII. **Crystal and molecular structure of 3-phenyl-4-(p-chlorobenzylamino)-4,5-dihydro-1-H-1,2,4-triazol-5-on**  
Yılmaz V. T., Ağar E., Güven K. Y., Kahveci B., Şaşmaz S.  
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- CLIX. **Bis(saccharinato)nickel(II) complexes with 2-aminomethyl and -ethylpyridines. Syntheses, crystal structures, spectral and thermal analyses of trans-[Ni(sac-N)(2)(ampy-N,N')(2)] and trans-[Ni(sac-O)(2)(aepy-N,N')(2)]**  
YILMAZ V. T., ÇAĞLAR S., Harrison W.  
TRANSITION METAL CHEMISTRY, vol.29, no.5, pp.477-482, 2004 (SCI-Expanded)
- CLX. **Copper(II)-malonato coordination frameworks with ethanolammonium cations. Synthesis, spectral, thermal and structural characterization of trans-[Cu(mal)(2)(meaH)(2)] and {(deaH)(2)[Cu(mu-mal)(2)]center dot H2O}(infinity) (meaH = monoethanolammonium, deaH = diethanolammonium and mal = malonate)**  
YILMAZ V. T., Senel E., Kazak C.  
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- CLXI. **1-n-Butyl-2-(4'-fluorophenyl)-1H-benzimidazole-6-carbonitrile**  
Kazak C., YILMAZ V. T., GÖKER A. H., Kus C.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.60, 2004 (SCI-Expanded)
- CLXII. **trans-bis(ethylenediamine)bis(p-nitrobenzoxasulfamato)copper(II)**  
Kazak C., YILMAZ V. T., Yazicilar T.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.60, 2004 (SCI-Expanded)
- CLXIII. **Synthesis, spectral, thermal and structural characterization of {[Cu(H2O)(3)][Cu(MAL)(2)]center dot 2H(2)O}(infinity) and [Cu(MAL)(TEA)]center dot H2O (MAL = malonate and TEA = triethanolamine)**  
YILMAZ V. T., Senel E., Thone C.  
TRANSITION METAL CHEMISTRY, vol.29, no.3, pp.336-342, 2004 (SCI-Expanded)
- CLXIV. **Transition metal complexes of acetamidomalondihydroxamate: Synthesis, spectral, thermal and electrochemical studies**  
YILMAZ F., Yılmaz V. T., Topcu S.  
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- CLXV. **trans-Tetraaquabis(p-nitrobenzoxasulfamato)cobalt(II)**  
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- CLXVI. **Cobalt(II) complexes of 2-methanol-, 2,6-dimethanol- and 2-ethanolpyridines: syntheses, spectroscopic, thermal and structural characterizations of [Co-2(mu-Cl)(2)(mpy)(4)]Cl-2 center dot 2H(2)O, [Co(dmpy)(2)]Cl-2 and [Co(Cl)(4)](Hpyet)(2) (mpy=2-methanolpyridine; dmpy=2,6-dimethanolpyridine and Hpyet=2-ethanolpyridinium)**  
YILMAZ V. T., Hamamci S., Thone C.  
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- CLXVII. **Chlorobis[2-(2-pyridyl)ethanol]copper(II) chloride**  
Hamamci S., YILMAZ V. T., Thone C.  
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- CLXVIII. **Bis(saccharinato-kappa N)zinc(II) complexes with N,N'-bidentate 2-aminomethylpyridine and 2-aminoethylpyridine**  
YILMAZ V. T., ÇAĞLAR S., Harrison W.  
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- CLXIX. **A one-dimensional lead(II) coordination polymer with bridging saccharinate and 2-aminomethylpyridine ligands: Synthesis, IR spectra, and crystal structure of [Pb(ampy)(mu-sac)(2)](n)**  
YILMAZ V. T., ÇAĞLAR S., Harrison W.  
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- CLXX. **cis-diapuabis[2-(hydroxymethyl)pyridine]-nickel(II) dichloride**  
Hamamci S., YILMAZ V. T., Thone C.  
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- CLXXI. **Synthesis, IR spectra, thermal analysis and crystal structures of bis(saccharinato)mercury(II) complexes with 2-aminomethylpyridine and 2-aminoethylpyridine**  
YILMAZ V. T., ÇAĞLAR S., Harrison W.  
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- CLXXII. **Trans-bis(saccharinato)cadmium(II) complexes with 2-aminomethylpyridine and 2-aminoethylpyridine - Synthesis, crystal structures, spectral and thermal characterization of trans-[Cd(sac)(2)(ampy)(2)] and trans-[Cd(sac)(2)(aepy)(2)]**  
YILMAZ V. T., ÇAĞLAR S., Harrison W.  
ZEITSCHRIFT FUR ANORGANISCHE UND ALLGEMEINE CHEMIE, vol.630, no.7, pp.1126-1130, 2004 (SCI-Expanded)
- CLXXIII. **Synthesis, crystal structure, IR spectra and thermal analysis of Na[Ag(sac)(2)] (sac = saccharinate)**  
YILMAZ V. T., Hamamci S., Thone C.  
ZEITSCHRIFT FUR ANORGANISCHE UND ALLGEMEINE CHEMIE, vol.630, no.11, pp.1641-1644, 2004 (SCI-Expanded)
- CLXXIV. **Synthesis, spectra, thermal analysis and crystal structure of a mononuclear oxalato-copper(II) complex with monoethanolamine, [Cu(mea)(2)(ox)]**  
YILMAZ V. T., Senel E., Thone C.  
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- CLXXV. **The first calcium(II) complex with the saccharinate ligand: Synthesis, crystal structure, spectral and thermal characterization of trans-diaquabis[(2-hydroxyethyl)pyridinium]bis(saccharinato)calcium(II) disaccharinate, [Ca(sac)(2)(H2O)2(Hpyet)(2)](sac)(2)**  
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YILMAZ V. T., Hamamci S., Andac O., Thone C., Harrison W.  
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- CLXXVII. **An eight-coordinate strontium complex with two tetradentate triethanolamine ligands: synthesis, IR spectra, thermal analysis and crystal structure of bis(triethanolamine)strontium(II) saccharinate**  
Kazak C., Hamamci S., Topcu Y., YILMAZ V. T.  
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- CLXXVIII. **Synthesis, spectra, thermal analysis and crystal structure of trans-bis(2-pyridinepropanol)bis(saccharinato)cobalt(II)**  
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- CLXXIX. **Syntheses, spectral, thermal and electrochemical studies of 3-carboxylacetonehydroxamic acid and**



**its iron(II), cobalt(II), nickel(II), copper(II) and zinc(II) complexes**

YILMAZ F., Yilmaz V. T., Topcu S., Menek N.

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- CLXXX. **Triethanolammonium dihydrogenphosphate**  
DEMİR S., YILMAZ V. T., Harrison W.  
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DEMİR S., YILMAZ V. T., Harrison W.  
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, vol.59, 2003 (SCI-Expanded)
- CLXXXII. **Synthesis, spectra and crystal structure of 2-([3-(methyl {3-[(2-hydroxybenzylidene)amino]propyl} amino)propyl]imino)methyl)phenol copper(II) complex**  
Yilmaz V. T., Degirmencioglu I., Andac O., Karabocek S., Slawin A.  
JOURNAL OF MOLECULAR STRUCTURE, vol.654, no.1-3, pp.125-129, 2003 (SCI-Expanded)
- CLXXXIII. **Synthesis, special and structural characterization of the first Bis-2-pyridylethanol complex of Mn(II), Fe(II), Co(II), Ni(II), Cu(II), and Zn(II) saccharinates: Crystal structures of diaquabis(2-pyridylethanol)iron(II) and copper(II) saccharinates**  
YILMAZ V. T., Hamamci S., Thone C.  
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- CLXXXVIII. **A three-dimensional lead(II) polymer with bridging saccharinate and unusually coordinated acetate ligands - Synthesis, IR spectra, and crystal structure of [Pb(H2O)(μ-OAc)(μ-sac)](n)**  
YILMAZ V. T., Hamamci S., Andac O., Guven K.  
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- CLXXXIX. **Synthesis, spectral and thermal studies of Bis-2,6-dimethanolpyridine complexes of Co(II), Ni(II), Cu(II) and Zn(II) saccharinates: Crystal structures of [Ni(dmpy)(2)](sac)(2)center dot 2H(2)O and [Zn(dmpy)(2)](sac)(2)center dot 2H(2)O**  
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ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.58, 2002 (SCI-Expanded)
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- YILMAZ V. T., Andac O., KARADAĞ A., Harrison W.  
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YILMAZ V. T., Guney S., Andac O., Harrison W.  
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- CXCIV. **Bis(2-pyridylmethanol)bis(saccharinato)zinc(II) and -cadmium(II) at 120 K: three-dimensional structures containing both N-and O-coordinated ambidentate saccharinate ligands**  
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- CXCV. **Bis(p-nitrobenzoxasulfamato) complexes of cadmium(II) and mercury(II) - Synthesis, spectra, and X-ray crystal structures**  
YILMAZ V. T., Yazicilar T., Andac O., Kutuk H., Bekdemir Y., Harrison W.  
ZEITSCHRIFT FUR ANORGANISCHE UND ALLGEMEINE CHEMIE, vol.628, no.8, pp.1908-1912, 2002 (SCI-Expanded)
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YILMAZ V. T., DEMİR S., Andac O., Harrison W.  
JOURNAL OF COORDINATION CHEMISTRY, vol.55, no.8, pp.863-872, 2002 (SCI-Expanded)
- CXCVII. **Synthesis, characterization and spectral studies of triethanolamine complexes of metal saccharinates. Crystal structures of [Co(TEA)(2)](SAC)(2) and [Cu-2(mu-TEA)2(SAC)(2)]center dot 2(CH3OH)**  
Topcu Y., Andac O., YILMAZ V. T., Harrison W.  
JOURNAL OF COORDINATION CHEMISTRY, vol.55, no.7, pp.805-815, 2002 (SCI-Expanded)
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ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.58, 2002 (SCI-Expanded)
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VI. Ulusal Anorganik Kimya Kongresi, Turkey, 18 - 21 May 2017
- II. **Difosfin Ligantları İçeren Nötral ve Katyonik Palladyum(II) ve Platin(II) Sakkarinat Komplekslerinin Sentezi ve Yapıları**  
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