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Education Information

Doctorate, Ondokuz Mayıs University, Fen Fakültesi, Kimya Bölümü, Turkey 1996 - 2001

Postgraduate, Ondokuz Mayıs University, Fen Fakültesi, Kimya Bölümü, Turkey 1991 - 1994

Undergraduate, Selcuk University, Eğitim Fakültesi, Kimya, Turkey 1986 - 1990

Research Areas

Natural Sciences

Academic Titles / Tasks

Professor, Yozgat Bozok University, Fen-Edebiyat Fakültesi, Kimya, 2019 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Synthesis, Enzyme Inhibition, and in Silico Studies of Amino Acid Schiff Bases**
Akkuş Taş N., Şenocak A., Taslimi P., TÜZÜN B., KARADAĞ A.
Iranian Journal of Chemistry and Chemical Engineering, vol.43, no.3, pp.1083-1093, 2024 (SCI-Expanded)
- II. **Synthesis of CeO₂ nanoparticles from hemp leaf Extract: Evaluation of Antibacterial, anticancer and enzymatic activities**
KORKMAZ N., Kisa D., Ceylan Y., GÜÇLÜ E., Şen F., KARADAĞ A.
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- III. **Eco-friendly biogenic silver nanoparticles: synthesis, characterization and biological applications**
KORKMAZ N., Ceylan Y., İmamoğlu R., Kisa D., Şen F., KARADAĞ A.
International Journal of Environmental Science and Technology, 2024 (SCI-Expanded)
- IV. **Rapid ultrasound-assisted synthesis, characterization, DFT, molecular docking, and anticancer activity of palladium and zinc complexes with 2,6-dimethoxybenzoic acid: A comprehensive study**
Shihab I. A., Muhammed M. Y., Alheety M. A., Nuaman H. A., KARADAĞ A.
Journal of Molecular Structure, vol.1294, 2023 (SCI-Expanded)

- V. **A Silver Compound with Potential Applications as an Anticancer, Antibacterial, Antifungal, and Anti-Alzheimer's Agent**
KORKMAZ N., Kisa D., Kaplan Ö., Tosun N. G., Özgür A., Imamoğlu R., KARADAĞ A.
Chemistry and Biodiversity, vol.20, no.6, 2023 (SCI-Expanded)
- VI. **A cheap and high yield route for synthesis of 3H-1, 2-benzodithiol-3-thione for hydrogen storage applications**
Alheety M. A., Al-Jibori S. A., Mahmood A. R., Chaurasiya P. K., KARADAĞ A., Verma T. N., Tiwari D.
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- VII. **Dicyanoargentate(I)-based complexes induced in vivo tumor inhibition by activating apoptosis-related pathways**
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- VIII. **Synthesis, structural, and electrochemical properties of boron-based ionic liquid**
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Ionics, vol.28, pp.3289-3300, 2022 (SCI-Expanded)
- IX. **Biogenic Nanocopper: Eco-Friendly Synthesis, Characterization, and Their Anti-Trichomonas vaginalis, Anticancer, and Antimicrobial Effects**
Duran B., Perçin E., Aydin A., Destegül A., AYDIN D., Özplnar N., KARADAĞ A.
Journal of Medicinal Food, vol.25, no.7, pp.787-792, 2022 (SCI-Expanded)
- X. **Novel amino acid Schiff base Zn(II) complexes as new therapeutic approaches in diabetes and Alzheimer's disease: Synthesis, characterization, biological evaluation, and molecular docking studies**
ŞENOCAK A., Tas N. A., Taslimi P., TÜZÜN B., AYDIN A., KARADAĞ A.
JOURNAL OF BIOCHEMICAL AND MOLECULAR TOXICOLOGY, vol.36, no.3, 2022 (SCI-Expanded)
- XI. **Investigation of biological activities of plant extract and green synthesis silver nanoparticles obtained from Gilaburu (Viburnum opulus L.) fruits**
Sahin B., Bulbul A. S., Celik I. S., Korkmaz N., Karadağ A.
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- XII. **Mercury(II) mixed ligand complexes of phosphines or amines with 2-cyanoamino thiophenolate ligands formed via monodeprotonation and carbon-sulfur bond cleavage of 2-aminobenzothiazole. X-ray crystal structures of [Hg(SC₆H₄NCN)(PPh₃)₂] and [Hg(SC₆H₄NCN)(Ph₂PCH₂PPh₂)](2)**
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- XIII. **Synthesis of silver nanowires in a two-phase system for biological applications**
Korkmaz N., BERKİL AKAR K., İMAMOĞLU R., KISA D., KARADAĞ A.
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- XIV. **Efficient biomass saccharification using a novel cellobiohydrolase from Clostridium clariflavum for utilization in biofuel industry**
Zafar A., Aftab M. N., Asif A., KARADAĞ A., Peng L., Celebioglu H. U., Afzal M. S., Hamid A., Iqbal I.
RSC ADVANCES, vol.11, no.16, pp.9246-9261, 2021 (SCI-Expanded)
- XV. **Hydrogen storage capacity of novel mixed ligand complexes of lead(II): Molecular structure of [Pb-2(tsac)(4)(mu-dppe)]**
Al-Jibori S. A., Amen M. M., Alheety M. A., KARADAĞ A., Wagner C.
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- XVI. **Charge carrier performance of phosphazene-based ionic liquids doped hole transport layer in organic light-emitting diodes**
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- XVII. **Biogenic silver nanoparticles synthesized via Mimusops elengi fruit extract, a study on antibiofilm, antibacterial, and anticancer activities**
KORKMAZ N., CEYLAN Y., Hamid A., KARADAĞ A., Bulbul A. S., Aftab M. N., ÇEVİK Ö., ŞEN F.

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- XVIII. **Bioactivity and molecular docking studies of some nickel complexes: New analogues for the treatment of Alzheimer, glaucoma and epileptic diseases**
KISA D., KORKMAZ N., Taslimi P., TÜZÜN B., Tekin S., KARADAĞ A., ŞEN F.
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- XIX. **Biogenic nano silver: Synthesis, characterization, antibacterial, antibiofilms, and enzymatic activity**
KORKMAZ N., CEYLAN Y., Taslimi P., KARADAĞ A., Bulbul A. S., ŞEN F.
ADVANCED POWDER TECHNOLOGY, vol.31, no.7, pp.2942-2950, 2020 (SCI-Expanded)
- XX. **RETRACTED ARTICLE: Synthesis and characterization of trimeric phosphazene based ionic liquids with tetrafluoroborate anions and their thermal investigations**
KARADAĞ A., AKBAŞ H., Destegul A., Cakirlar C., YERLİ Y., KILIÇ Z., ŞEN F.
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- XXI. **Metallo components exhibiting significant anticancer and antibacterial properties: a novel sandwich-type like polymeric structure**
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- XXII. **Synthesis, characterization and anticancer activity in vitro evaluation of novel dicyanoaurate (I)-based complexes**
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- XXIII. **Novel Hg(II) and Pd(II) benzotriazole (Hbta) complexes: Synthesis, characterization, X-ray crystal structure of [Pd(PPh₃)(μ-bta)Cl]₂ center dot DMSO and thermodynamic study of their H-2 storage**
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- XXIV. **Biogenic silver nanoparticles synthesized from Rhododendron ponticum and their antibacterial, antibiofilm and cytotoxic activities**
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- XXV. **EVALUATION OF ANTIFUNGAL ACTIVITIES OF NEWLY SYNTHESIZED BIMETALLIC CYANIDO COMPLEXES UNDER LABORATORY CONDITIONS**
Karaca K., Yanar Y., Belguzar S., KARADAĞ A., Korkmaz N.
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- XXVI. **Ag(I)-benzisothiazolinone complex: synthesis, characterization, H-2 storage ability, nano transformation to different Ag nanostructures and Ag nanoflakes antimicrobial activity**
Alheety M. A., Al-Jibori S. A., Ali A. H., Mahmood A. R., AKBAŞ H., KARADAĞ A., Uzun O., Ahmed M. H.
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- XXVII. **Biosynthesis of Ag nanospheres using waste phoenix dactylifera argonne: a prospective anticancer and antibacterial**
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- XXVIII. **Synthesis, characterization and anti-tumor activity of Pd(II) complexes with 4,5-benzo-3H-1,2-dithiole-3-thione**
Al-Jibori S. A., Ulghafoor M. A., Karadag A., AYDIN A., Akbas H., Ruiz S. G.
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- XXIX. **H-2 storage abilities of some novel Pd(II) complexes containing 2H[1,4]benzothiazin-3(4H)-one**
Hameed A. A., Alheety M. A., Mahmood A. R., Al-Jibori S. A., KARADAĞ A.
INORGANIC CHEMISTRY COMMUNICATIONS, vol.106, pp.11-17, 2019 (SCI-Expanded)
- XXX. **The mixture of silver nanosquare and silver nano-hexagon: green synthesis, characterization and kinetic evolution**
Jasemi L. A., Hameedi A. A., Al-Heety M. A., Mahmood A. R., KARADAĞ A., Akbas H.

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- XXXI. **Synthesis and structural and thermal properties of cyclotriphosphazene-based ionic liquids: tribological behavior and OFET application**
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- XXXII. **Eco-friendly C-60-SESMP-Fe3O4 inorganic magnetizable nanocomposite as high-performance adsorbent for magnetic removal of arsenic from crude oil and water samples**
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- XXXIII. **Hydrogen storage capacities of some new Hg(II) complexes containing 2-acetyethiophene**
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- XXXIV. **Pharmacological properties of dicyanidoaurate(I)-based complexes: characterization and single crystal X-ray analysis**
KARADAĞ A., AYDIN A., Tekin S., Akbas H., DEDE S.
JOURNAL OF COORDINATION CHEMISTRY, vol.72, pp.860-878, 2019 (SCI-Expanded)
- XXXV. **Three new dicyanidoaurate(I)-based complexes exhibiting significant antiproliferative property: synthesis and characterization**
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GOLD BULLETIN, vol.52, no.1, pp.35-50, 2019 (SCI-Expanded)
- XXXVI. **Synthesis, and spectroscopic, thermal and dielectric properties of phosphazene based ionic liquids: OFET application and tribological behavior**
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- XXXVII. **Tribological behavior and quantum chemical calculations of protic ionic liquids: synthesis, spectroscopic, and thermal properties**
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- XXXVIII. **In vitro biological properties and predicted DNA-BSA interaction of three new dicyanidoargentate(I)-based complexes: synthesis and characterization**
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- XXXIX. **Antiproliferative Effects against A549, Hep3B and FL Cell Lines of Cyclotriphosphazene-Based Novel Protic Molten Salts: Spectroscopic, Crystallographic and Thermal Results**
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- XL. **Synthesis, structural and thermal properties of the hexapyrrolidinocyclotriphosphazenes-based protic molten salts: Antiproliferative effects against HT29, HeLa, and C6 cancer cell lines**
Akbas H., KARADAĞ A., AYDIN A., Destegul A., Klic Z.
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- XLI. **New bimetallic dicyanidoargentate(I)-based coordination compounds: Synthesis, characterization, biological activities and DNA-BSA binding affinities**
Korkmaz N., AYDIN A., KARADAĞ A., Yanar Y., Maasoglu Y., ŞAHİN E., Tekin S.
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- XLII. **Binuclear cyanido complexes containing [Pt(CN)(4)](2-) building block: Synthesis, crystal structures, magnetic properties and anticancer activities**
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- XLIII. **Phosphorus-nitrogen compounds Part 32. Structural and thermal characterizations, antimicrobial and cytotoxic activities, and in vitro DNA binding of the phosphazanium salts**

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- XLIV. **Palladium(II) benzoisothiazolate (bit) complexes with amino-, acetylamino-, heterocyclic and phosphine co-ligands. Crystal structure of [Pd(bit)(2)(kappa(2)-dppe)]center dot 2EtOH**
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- XLV. **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)
- XLVI. **Five novel dicyanidoaurate(I)-based complexes exhibiting significant biological activities: synthesis, characterization and three crystal structures**
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- XLVII. **Two new coordination polymers containing dicyanidoargentate(I) and dicyanidoaurate(I): synthesis and characterization, and a detailed in vitro investigation of their anticancer activities on some cancer cell lines**
 AYDIN A., KARADAĞ A., Tekin S., Korkmaz N., Ozdemir A.
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- XLVIII. **Two novel cyanido-bridged polymeric complexes with suspension bridge type connections and a series of related complex salts: crystallographic and thermal characterizations**
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- XLIX. **Synthesis and characterization of two novel dicyanidoargentate(I) complexes containing N-(2-hydroxyethyl)ethylenediamine exhibiting significant biological activity**
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- L. **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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- LI. **Synthesis and characterization of new heterometallic cyanido complexes based on [Co(CN)(6)](3-) building blocks: crystal structure of [Cu-2(N-bishydeten)(2)Co(CN)(6)]center dot 3H(2)O having a strong antiferromagnetic exchange**
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- LII. **Anticancer activities and mechanism of action of 2 novel metal complexes, C16H34N8O5Ag2Cd and C11H16N7O2Ag3Ni**
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- LIII. **Synthesis and Structural Studies of Pd-II/Zn-II Architecture with N,N '-Bis(2-hydroxyethyl)ethylenediamine as Capping Ligand**
 Senocak A., KARADAĞ A., ŞAHİN E.
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- LIV. **Synthesis, crystal structures, magnetic properties and Suzuki and Heck coupling catalytic activities of new coordination polymers containing tetracyanopalladate(II) anions**
 Senocak A., KARADAĞ A., Yerli Y., GÜRBÜZ N., ÖZDEMİR İ., ŞAHİN E.
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- LV. **N-(2-hydroxyethyl)-ethylenediamine-based ionic liquids: Synthesis, structural characterization,**

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- LVI. **Synthesis, Crystal Structure and Thermal Properties of N-Acetyl-3-(2-furyl)-5-ferrocenyl-2-pyrazoline and N-Acetyl-3-(2-thienyl)-5-ferrocenyl-2-pyrazoline**
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- LXI. **Synthesis, thermal energy storage properties and thermal reliability of some fatty acid esters with glycerol as novel solid-liquid phase change materials**
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- LXIII. **Preparation, structural, magnetic and thermal properties of two heterobimetallic cyano-bridged nickel(II)-copper(II)/platinum(II) coordination polymers**
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- LXIV. **EPR and optical absorption studies of Cu²⁺ ions in [ZnPd(CN)₄(C₄H₁₂N₂O₂)] single crystals**
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- LXV. **Syntheses, IR spectra, thermal properties and crystal structures of novel cyano-bridged polymeric complexes of zinc(II) and cadmium(II) with tetracyanoplatinate(II)**
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- LXVI. **Cobalt dipicolinate complexes with nicotinamide and isonicotinamide ligands: Syntheses, crystal structures, spectroscopic, thermal and voltammetric studies**
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- LXVIII. **Preparations, IR spectra and crystal structures of cyano-bridged bimetallic complexes of zinc(II) and cadmium(II) with tetracyanopalladate(II)**
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- LXIX. **Investigation of the thermal properties of [Cd(hydet-en)(2)Pd(CN)(4)] and [Zn(hydet-en)(2)Pd(CN)(4)] single crystals**
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Ucar I., Bulut A., Buyukgungor O., Karadag A.
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