

Prof. AHMET KARADAĞ

Personal Information

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ScopusID: 56251081500

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Biography

Professor Karadag initiated his academic journey in 1993 as a Research Assistant within the Chemistry Department at the Science and Letters Faculty of Ondokuz Mayıs University. He completed his military duties in 2003 as a reserve officer, following his doctoral degree in 2001, and subsequently served as a Research Assistant at Ondokuz Mayıs University for some time. In 2004, he was appointed as an Assistant Professor at the Science and Letters Faculty of Tokat Gaziosmanpaşa University. He advanced to Associate Professor in 2007 and to Full Professor in 2013. Between 2017 and 2019, he headed the Faculty of Science at Bartın University. From 2019 to 2023, Professor Karadag held the position of Rector at Yozgat Bozok University. He started working at Bursa Uludağ University, Faculty of Sciences and Letters, Department of Chemistry on January 2, 2025.

Throughout his career, Professor Karadag has guided eleven master's and six doctoral candidates to the completion of their theses, and he is currently supervising two doctoral theses. His research expertise encompasses coordination polymers, inclusion compounds, clathrate structures, ionic liquids, and green chemistry. He has authored 93 articles in these areas, featured in SCI and SCI-expanded journals, contributed 3 articles to other international peer-reviewed journals, and 2 to domestic peer-reviewed journals. Additionally, he has presented 85 studies at national and international scientific meetings, which have been included in the proceedings, and 2 studies at international meetings have been published as abstracts in international journals. Dr. Karadag holds 4 patents related to the biological activities of various compounds and has trademark registrations for "TOREX" and a hemp-based "NESHE" brand for cleaning and cosmetic products. His publication record includes one online book, one edited book, and six book chapters.

As the project manager, Dr. Karadag led the "Cost-Effective Pilot Scale Production of Bioethanol" research project from March 2018 to 2020, a collaboration between Bartın University and the Government College Lahore University in Pakistan, under the Mevlana Project-Based International Exchange Program. In the scope of these studies, research was conducted for 15 days at the University of Lahore in Pakistan. He also conducted a three-month study on ionic liquids at the University of Alabama, USA.

In recent years, Professor Karadag has focused on developing sustainable and high-value-added products, such as food, medicine, cosmetics, paper, textiles, and bioplastics from Hemp Biomass. His current research interests include the green synthesis of metal nanoparticles for biological applications and the production of bioethanol and biobüthanol as a cost-effective, environmentally friendly, and efficient strategic energy resource

Professor Karadag is married and a father to two children.

Education

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 Positions

Professor, Bursa Uludağ University, Fen-Edebiyat Fakültesi, Kimya, 2025 - Continues

Professor, Yozgat Bozok University, Institute Of Hemp Research, 2023 - 2024

Professor, Yozgat Bozok University, Faculty Of Arts And Sciences, Kimya, 2019 - 2023

Professor, Bartın University, Faculty of Science, Biotechnology, 2017 - 2019

Professor, Tokat Gaziosmanpaşa University, Science and Letters Faculty , Chemistry, 2013 - 2017

Associate Professor, Tokat Gaziosmanpaşa University, Science and Letters Faculty , Chemistry, 2007 - 2013

Assistant Professor, Tokat Gaziosmanpaşa University, Science and Letters Faculty , Chemistry, 2004 - 2007

Research Assistant, Ondokuz Mayıs University, Fen Fakültesi, Kimya Bölümü, 1993 - 2004

Academic and Administrative Experience

Rector, Yozgat Bozok University, 2019 - 2023

Dean, Bartın University, Fen Fakültesi, 2018 - 2019

Journal articles indexed in SCI, SSCI, and AHCI

- I. **Enhancing mechanical properties of glass-ionomer cement with hemp fiber: a sustainable approach for dental restorations**
Kuscu S., BAYSAN F. D., KORKMAZ N., KUŞÇU A. İ., KARADAĞ A.
BMC ORAL HEALTH, vol.25, no.1, 2025 (SCI-Expanded)
- II. **Eco-friendly biogenic silver nanoparticles: synthesis, characterization and biological applications**
Korkmaz N., Ceylan Y., Imamoğlu R., Kısa D., Şen F., Karadağ A.
International Journal of Environmental Science and Technology, vol.22, no.5, pp.3707-3716, 2025 (SCI-Expanded)
- III. **Silicon Nanoparticles (SiO₂ NPs) Boost Drought Tolerance in Grapevines by Enhancing Some Morphological, Physiological, and Biochemical Traits**
DALER S., Kaya O., CANTÜRK S., KORKMAZ N., KILIÇ T., KARADAĞ A., Hatterman-Valenti H.
PLANT MOLECULAR BIOLOGY REPORTER, 2024 (SCI-Expanded)
- IV. **Modulatory effects of selenium nanoparticles against drought stress in some grapevine rootstock/scion combinations**
DALER S., KORKMAZ N., KILIÇ T., Hatterman-Valenti H., KARADAĞ A., Kaya O.
CHEMICAL AND BIOLOGICAL TECHNOLOGIES IN AGRICULTURE, vol.11, no.1, 2024 (SCI-Expanded)
- V. **Titanium Nanoparticles (TiO₂-NPs) as Catalysts for Enhancing Drought Tolerance in Grapevine Saplings**
DALER S., Kaya O., KORKMAZ N., KILIÇ T., Karadağ A., Hatterman-Valenti H.
HORTICULTURAE, vol.10, no.10, 2024 (SCI-Expanded)
- VI. **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)

- VII. **Synthesis of CeO₂ nanoparticles from hemp leaf Extract: Evaluation of Antibacterial, anticancer and enzymatic activities**

KORKMAZ N., Kısa D., Ceylan Y., GÜÇLÜ E., Şen F., KARADAĞ A.

Inorganic Chemistry Communications, vol.159, 2024 (SCI-Expanded)

- VIII. **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)

- IX. **A Silver Compound with Potential Applications as an Anticancer, Antibacterial, Antifungal, and Anti-Alzheimer's Agent**

KORKMAZ N., Kısa D., Kaplan Ö., Tosun N. G., Özgür A., Imamoğlu R., KARADAĞ A.

Chemistry and Biodiversity, vol.20, no.6, 2023 (SCI-Expanded)

- X. **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.

International Journal of Hydrogen Energy, vol.48, no.23, pp.8549-8562, 2023 (SCI-Expanded)

- XI. **Dicyanoargentate(I)-based complexes induced in vivo tumor inhibition by activating apoptosis-related pathways**

AYDIN A., KORKMAZ N., Kısa D., TÜRKMEÑOĞLU B., KARADAĞ A.

Applied Organometallic Chemistry, vol.36, no.10, 2022 (SCI-Expanded)

- XII. **Synthesis, structural, and electrochemical properties of boron-based ionic liquid**

Bilgiç G., KORKMAZ N., ŞAHİN M., KARADAĞ A.

Ionics, vol.28, pp.3289-3300, 2022 (SCI-Expanded)

- XIII. **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)

- XIV. **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)

- XV. **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.

TURKISH JOURNAL OF CHEMISTRY, vol.46, no.1, pp.224-235, 2021 (SCI-Expanded)

- XVI. **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)**

Al-Jibori S. A., Al-Doori L. A., Al-Janabi A. S. M., Alheety M. A., Wagner C., Karadag A.

POLYHEDRON, vol.206, 2021 (SCI-Expanded)

- XVII. **Synthesis of silver nanowires in a two-phase system for biological applications**

Korkmaz N., BERKİL AKAR K., İMAMOĞLU R., KISA D., KARADAĞ A.

APPLIED ORGANOMETALLIC CHEMISTRY, vol.35, no.6, 2021 (SCI-Expanded)

- XVIII. **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.

INORGANIC CHEMISTRY COMMUNICATIONS, vol.125, 2021 (SCI-Expanded)

- XIX. **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)

- XX. **Charge carrier performance of phosphazene-based ionic liquids doped hole transport layer in organic light-emitting diodes**
Mucur S. P., CANIMKURBEY B., KAVAK P., AKBAŞ H., KARADAĞ A.
APPLIED PHYSICS A-MATERIALS SCIENCE & PROCESSING, vol.126, no.12, 2020 (SCI-Expanded)
- XXI. **Biogenic silver nanoparticles synthesized via Mimulus 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.
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.59, 2020 (SCI-Expanded)
- XXII. **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.
BIOORGANIC CHEMISTRY, vol.101, 2020 (SCI-Expanded)
- XXIII. **Metalo components exhibiting significant anticancer and antibacterial properties: a novel sandwich-type like polymeric structure**
KARADAĞ A., KORKMAZ N., AYDIN A., Akbas H., Tekin S., YERLİ Y., ŞEN F.
SCIENTIFIC REPORTS, vol.10, no.1, 2020 (SCI-Expanded)
- XXIV. **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)
- XXV. **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.
SCIENTIFIC REPORTS, vol.10, no.1, 2020 (SCI-Expanded)
- XXVI. **Synthesis, characterization and anticancer activity in vitro evaluation of novel dicyanoaurate (I)-based complexes**
KARADAĞ A., AYDIN A., Tekin S., AKBAŞ H., ŞAHİN O., ŞEN F.
LIFE SCIENCES, vol.251, 2020 (SCI-Expanded)
- XXVII. **Novel Hg(II) and Pd(II) benzotriazole (Hbta) complexes: Synthesis, characterization, X-ray crystal structure of [Pd(PPh₃)(mu-bta)Cl](2)center dot DMSO and thermodynamic study of their H-2 storage**
Al-Jibori S. A., Al-Doori L. A., Al-Janabi A. S. M., Alheety M. A., AKBAŞ H., KARADAĞ A.
JOURNAL OF MOLECULAR STRUCTURE, vol.1207, 2020 (SCI-Expanded)
- XXVIII. **Biogenic silver nanoparticles synthesized from Rhododendron ponticum and their antibacterial, antibiofilm and cytotoxic activities**
KORKMAZ N., CEYLAN Y., KARADAĞ A., Bulbul A. S., Aftab M. N., Saygili S., ŞEN F.
JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, vol.179, 2020 (SCI-Expanded)
- XXIX. **EVALUATION OF ANTIFUNGAL ACTIVITIES OF NEWLY SYNTHESIZED BIMETALLIC CYANIDO COMPLEXES UNDER LABORATORY CONDITIONS**
Karaca K., Yanar Y., Belguzar S., KARADAĞ A., Korkmaz N.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.29, no.2, pp.815-822, 2020 (SCI-Expanded)
- XXX. **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.
MATERIALS RESEARCH EXPRESS, vol.6, no.12, 2019 (SCI-Expanded)
- XXXI. **Biosynthesis of Ag nanospheres using waste phoenix dactylifera argonne: a prospective anticancer and antibacterial**
Salih B. D., Ali A. H., Alheety M. A., Mahmood A. R., KARADAĞ A., AYDIN A.
MATERIALS RESEARCH EXPRESS, vol.6, no.10, 2019 (SCI-Expanded)

- XXXII. **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.
TRANSITION METAL CHEMISTRY, vol.44, no.6, pp.575-583, 2019 (SCI-Expanded)
- XXXIII. **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)
- XXXIV. **The mixture of silver nanosquare and silver nanohehexagon: green synthesis, characterization and kinetic evolution**
Jasemi L. A., Hameedi A. A., Al-Heety M. A., Mahmood A. R., KARADAĞ A., Akbas H.
MATERIALS RESEARCH EXPRESS, vol.6, no.8, 2019 (SCI-Expanded)
- XXXV. **Synthesis and structural and thermal properties of cyclotriphosphazene-based ionic liquids: tribological behavior and OFET application**
Destegul A., Akbas H., KARADAĞ A., Canimkurbey B., YERLİ Y., Tekin K. C., Malayoglu U., Kilic Z.
IONICS, vol.25, no.7, pp.3211-3222, 2019 (SCI-Expanded)
- XXXVI. **Eco-friendly C-60-SESMP-Fe3O4 inorganic magnetizable nanocomposite as high-performance adsorbent for magnetic removal of arsenic from crude oil and water samples**
Alheety M. A., Raoof A., Al-Jibori S. A., KARADAĞ A., Khaleel A. I., Akbas H., Uzun O.
MATERIALS CHEMISTRY AND PHYSICS, vol.231, pp.292-300, 2019 (SCI-Expanded)
- XXXVII. **Hydrogen storage capacities of some new Hg(II) complexes containing 2-acetyethiophene**
Salih B. D., Alheety M. A., Mahmood A. R., KARADAĞ A., Hashim D. J.
INORGANIC CHEMISTRY COMMUNICATIONS, vol.103, pp.100-106, 2019 (SCI-Expanded)
- XXXVIII. **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)
- XXXIX. **Three new dicyanidoaurate(I)-based complexes exhibiting significant antiproliferative property: synthesis and characterization**
AYDIN A., Karadag A., Tekin S., Akbas H.
GOLD BULLETIN, vol.52, no.1, pp.35-50, 2019 (SCI-Expanded)
- XL. **Synthesis, and spectroscopic, thermal and dielectric properties of phosphazene based ionic liquids: OFET application and tribological behavior**
Akbas H., Karadag A., Destegul A., Cakirlar C., YERLİ Y., Tekin K. C., Malayoglu U., Kilic Z.
NEW JOURNAL OF CHEMISTRY, vol.43, no.5, pp.2098-2110, 2019 (SCI-Expanded)
- XLI. **Tribological behavior and quantum chemical calculations of protic ionic liquids: synthesis, spectroscopic, and thermal properties**
KARADAĞ A., Akbas H., KARAKAŞ D., Tekin K. C., Korkmazer E.
TURKISH JOURNAL OF CHEMISTRY, vol.43, no.3, pp.766-786, 2019 (SCI-Expanded)
- XLII. **In vitro biological properties and predicted DNA-BSA interaction of three new dicyanidoargentate(I)-based complexes: synthesis and characterization**
Karadag A., Korkmaz N., AYDIN A., Tekin S., Yanar Y., Yerlif Y., Korkmaz S. A.
NEW JOURNAL OF CHEMISTRY, vol.42, no.6, pp.4679-4692, 2018 (SCI-Expanded)
- XLIII. **Antiproliferative Effects against A549, Hep3B and FL Cell Lines of Cyclotriphosphazene-Based Novel Protic Molten Salts: Spectroscopic, Crystallographic and Thermal Results**
Okumus A., Akbas H., KARADAĞ A., AYDIN A., Kilic Z., HÖKELEK T.
CHEMISTRYSELECT, vol.2, no.18, pp.4988-4999, 2017 (SCI-Expanded)
- XLIV. **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., Kilic Z.
JOURNAL OF MOLECULAR LIQUIDS, vol.230, pp.482-495, 2017 (SCI-Expanded)
- XLV. **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.

SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.173, pp.1007-1022, 2017 (SCI-Expanded)

- XLVI. **Binuclear cyanido complexes containing [Pt(CN)(4)](2-) building block: Synthesis, crystal structures, magnetic properties and anticancer activities**
Korkmaz S. A., KARADAĞ A., AYDIN A., Yerli Y., Soylu M. S.
INORGANICA CHIMICA ACTA, vol.453, pp.154-168, 2016 (SCI-Expanded)
- XLVII. **Phosphorus-nitrogen compounds Part 32. Structural and thermal characterizations, antimicrobial and cytotoxic activities, and in vitro DNA binding of the phosphazanium salts**
Akbas H., Okumus A., KARADAĞ A., Kilic Z., HÖKELEK T., Koc L. Y., AÇIK L., AYDIN B., Turk M.
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.123, no.2, pp.1627-1641, 2016 (SCI-Expanded)
- XLVIII. **Palladium(II) benzisothiazolate (bit) complexes with amino-, acetyl amino-, heterocyclic and phosphine co-ligands. Crystal structure of [Pd(bit)(2)(kappa(2)-dppe)]center dot 2EtOH**
Al-Jibori S. A., Ahmed B. S. M., Ahmed S. A., KARADAĞ A., Schmidt H., Wagner C., Hogarth G.
INORGANICA CHIMICA ACTA, vol.436, pp.7-15, 2015 (SCI-Expanded)
- XLIX. **Two novel cyanido-bridged polymeric complexes with suspension bridge type connections and a series of related complex salts: crystallographic and thermal characterizations**
Senocak A., KARADAĞ A., Soylu M. S., Andac O.
NEW JOURNAL OF CHEMISTRY, vol.39, no.5, pp.3675-3686, 2015 (SCI-Expanded)
- L. **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.
TURKISH JOURNAL OF CHEMISTRY, vol.39, no.3, pp.532-549, 2015 (SCI-Expanded)
- LI. **Five novel dicyanidoaurate(I)-based complexes exhibiting significant biological activities: synthesis, characterization and three crystal structures**
KARADAĞ A., AYDIN A., Dede S., Tekin S., Yanar Y., Cadirci B. H., Soylu M. S., Andac O.
NEW JOURNAL OF CHEMISTRY, vol.39, no.10, pp.8136-8152, 2015 (SCI-Expanded)
- LII. **Synthesis and characterization of two novel dicyanidoargentate(I) complexes containing N-(2-hydroxyethyl)ethylenediamine exhibiting significant biological activity**
Korkmaz N., KARADAĞ A., AYDIN A., Yanar Y., Karamand I., Tekin S.
NEW JOURNAL OF CHEMISTRY, vol.38, no.10, pp.4760-4773, 2014 (SCI-Expanded)
- LIII. **Anticancer activities and mechanism of action of 2 novel metal complexes, C₁₆H₃₄N₈O₅Ag₂Cd and C₁₁H₁₆N₇O₂Ag₃Ni**
AYDIN A., Korkmaz N., Tekin S., Karadag A.
TURKISH JOURNAL OF BIOLOGY, vol.38, no.6, pp.948-955, 2014 (SCI-Expanded)
- LIV. **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**
Korkmaz S. A., KARADAĞ A., YERLİ Y., Soylu M. S.
NEW JOURNAL OF CHEMISTRY, vol.38, no.11, pp.5402-5410, 2014 (SCI-Expanded)
- LV. **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.
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.23, no.4, pp.1008-1014, 2013 (SCI-Expanded)
- LVI. **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.
POLYHEDRON, vol.49, no.1, pp.50-60, 2013 (SCI-Expanded)

- LVII. N-(2-hydroxyethyl)-ethylenediamine-based ionic liquids: Synthesis, structural characterization, thermal, dielectric and catalytic properties**
KARADAĞ A., Destegul A.
JOURNAL OF MOLECULAR LIQUIDS, vol.177, pp.369-375, 2013 (SCI-Expanded)
- LVIII. 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**
Cin G. T., Topel S. D., Cakici A., Yildirim A. O., KARADAĞ A.
JOURNAL OF CHEMICAL CRYSTALLOGRAPHY, vol.42, no.4, pp.372-380, 2012 (SCI-Expanded)
- LIX. Complexes Containing N-(2-hydroxyethyl)-ethylenediamine with Tetracyanommetallate (II): Synthesis, IR Spectra, Thermal Behavior, Crystal Structure, Magnetic Properties and Catalysis**
KARADAĞ A., Senocak A., Yerli Y., ŞAHİN E., Topkaya R.
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.22, no.2, pp.369-378, 2012 (SCI-Expanded)
- LX. Cyano-complexes and salts with tetracyanonickellate(II) and N,N-bis(2-hydroxyethyl)-ethylenediamine: synthesis, IR spectra, magnetic properties, thermal analyses, and crystal structures**
Karadag A., Korkmaz S. A., Andac O., Yerli Y., Topcu Y.
JOURNAL OF COORDINATION CHEMISTRY, vol.65, no.10, pp.1685-1699, 2012 (SCI-Expanded)
- LXI. Synthesis and Characterization of New Metal-Organic Frameworks Based on Tetracyanoplatinate(II) and N,N'-bis(2-hydroxyethyl)ethylenediamine: Single Crystal Structures of Zn-II and Cd-II Complexes Along with Magnetic Properties of Ni-II and Cu-II Complexes**
Senocak A., KARADAĞ A., ŞAHİN E., Yerli Y.
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.21, no.3, pp.438-449, 2011 (SCI-Expanded)
- LXII. Two Novel Bimetallic Cyano-Bridged Coordination Polymers Containing the 2,2'-(Ethylenedioxy)bis(Ethylamine): Syntheses, Structural, Thermal and Magnetic Properties**
Senocak A., KARADAĞ A., Yerli Y., Andac O., ŞAHİN E.
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.20, no.4, pp.628-635, 2010 (SCI-Expanded)
- LXIII. 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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