

## Assoc. Prof. HASENE MUTLU GENÇKAL

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAH-2888-2021

ScopusID: 57212275330

Yoksis Researcher ID: 123373

### Education Information

Doctorate, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, KİMYA, Turkey 2004 - 2010

Postgraduate, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, KİMYA, Turkey 2000 - 2003

Undergraduate, Bursa Uludağ University, FEN-EDEBİYAT FAKÜLTESİ, Kimya Bölümü, Turkey 1995 - 1999

### Research Areas

Bioinorganic Chemistry, Coordination Chemistry, Novel Ligands

### Academic and Administrative Experience

Deputy Director of the Center, Bursa Uludağ University, U.Ü.Balkan Uygulama ve Araştırma Merkezi (BALKAM), 2022 - Continues

### Advising Theses

Mutlu Gençkal H., 2,2'-BİPİRİDİN TÜREVLERİ İÇEREN KARIŞIK LİGANDLI FLAVONOİD-BAKIR(II) KOMPLEKSLERİNİN SENTEZİ VE YAPISAL KARAKTERİZASYONU, Postgraduate, N.Yücel(Student), 2023

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

- I. The Mechanism for Anticancer and Apoptosis-Inducing Properties of Cu(II) Complex with Quercetin and 1,10- Phenanthroline**  
Done G., Arı F., Akgün O., Akgun H., Cevatemre B., Mutlu Gençkal H.  
CHEMISTRYSELECT, vol.7, no.38, pp.1-10, 2022 (SCI-Expanded)
- II. New heteroleptic Cu(II) complexes of chrysin with 2,2-bipyridine and substituted 1,10-phenanthrolines: Synthesis, characterization, thermal stability and antioxidant activity**  
MUTLU GENÇKAL H.

JOURNAL OF MOLECULAR STRUCTURE, vol.1209, 2020 (SCI-Expanded)

- III. **Mixed ligand complexes of Co(II), Ni(II) and Cu(II) with quercetin and diimine ligands: synthesis, characterization, anti-cancer and anti-oxidant activity**  
Mutlu Gençkal H., Erkisa M., Alper P., Şahin S., Ulukaya E., Arı F.  
JOURNAL OF BIOLOGICAL INORGANIC CHEMISTRY, vol.25, no.1, pp.161-177, 2020 (SCI-Expanded)
- IV. **Synthesis, characterization, anticancer and antioxidant activity of new nickel(II) and copper(II) flavonoid complexes**  
Alper P., Erkisa M., Mutlu Gençkal H., Şahin S., Ulukaya E., Arı F.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1196, pp.783-792, 2019 (SCI-Expanded)
- V. **Binary and ternary new water soluble copper(II) complexes of L-tyrosine and substituted 1,10-phenanthrolines: Effect of substitution on DNA interactions and cytotoxicities**  
Inci D., Aydın R., Vatan Ö., Yılmaz D., Mutlu Gençkal H., Zorlu Y., Çavaş T.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.145, pp.313-324, 2015 (SCI-Expanded)
- VI. **New water-soluble copper (II) complexes including 4,7-dimethyl-1,10-phenanthroline and L-tyrosine: Synthesis, characterization, DNA interactions and cytotoxicities**  
Inci D., Aydın R., Yılmaz D., Mutlu Gençkal H., Vatan Ö., Çinkılıç N., Zorlu Y.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.136, pp.761-770, 2015 (SCI-Expanded)
- VII. **Synthesis, characterisation, and equilibrium studies of 1-(2-ethyl-1,2,3,4-tetrahydro-quinazolin-2-yl)-ethanone oxime and the copper(II) complex of its open-chain tautomer**  
Mutlu Gençkal H., Inci D., Aydın R., Irez G.  
RUSSIAN JOURNAL OF GENERAL CHEMISTRY, vol.84, no.11, pp.2240-2247, 2014 (SCI-Expanded)
- VIII. **Syntheses, Structural Characterization, and Thermal Properties of New 1,2,3,4-Tetrahydroquinazoline Ligands and Their Co(III) Complexes**  
Genckal H., Pazarli N., Irez G.  
SYNTHESIS AND REACTIVITY IN INORGANIC METAL-ORGANIC AND NANO-METAL CHEMISTRY, vol.44, no.5, pp.627-633, 2014 (SCI-Expanded)
- IX. **A New Cyclic Ligand and Complexes of Its Open-Chain Tautomer With Co(III) and Ni(II) Ions: Synthesis, Characterization and Thermal Properties**  
Sirikci G., Genckal H., Irez G.  
SYNTHESIS AND REACTIVITY IN INORGANIC METAL-ORGANIC AND NANO-METAL CHEMISTRY, vol.43, no.9, pp.1139-1145, 2013 (SCI-Expanded)
- X. **2-(Naphthalen-2-yl)-1,2,3,4-tetrahydroquinazoline-2-carbaldehy de Oxime and Co(III) and Ni(II) Complexes of Tridentate Ligand Containing Oxime, Imine and Amine Donor Groups: Syntheses, Characterisation and Thermal Properties**  
Sirikci G., Irez G., Mutlu Gençkal H.  
ACTA CHIMICA SLOVENICA, vol.59, no.4, pp.904-911, 2012 (SCI-Expanded)
- XI. **Syntheses and characterizations of a novel 1,2,3,4-tetrahydroquinazoline and a Co(III) complex**  
Mutlu H., Irez G., Colak A. T., Yilmaz F.  
JOURNAL OF COORDINATION CHEMISTRY, vol.65, no.12, pp.2192-2200, 2012 (SCI-Expanded)
- XII. **A Novel Reaction of alpha-Carbonyl Oxime and Amido Alcohol: Synthesis, Characterization, Crystal Structure, and Thermal Studies of an Amido Alcohol, a New Oximino Alcohol Ligand, and its Metal Complexes**  
Kaya Y., Irez G., Mutlu Gençkal H., Büyükgüngör O.  
SYNTHESIS AND REACTIVITY IN INORGANIC METAL-ORGANIC AND NANO-METAL CHEMISTRY, vol.41, no.7, pp.754-762, 2011 (SCI-Expanded)
- XIII. **Synthesis, Characterization and Thermal Studies of a New Imine-oxime Ligand and its Cu<sup>2+</sup>, Ni<sup>2+</sup>, Co<sup>3+</sup> and Zn<sup>2+</sup> Complexes**  
Kaya Y., Irez G., Mutlu Gençkal H.  
ASIAN JOURNAL OF CHEMISTRY, vol.22, no.3, pp.1813-1821, 2010 (SCI-Expanded)

- XIV. **A Co(III) complex with a tridentate amine-imine-oxime ligand from 1,2,3,4-tetrahydroquinazoline: synthesis, crystal structure, spectroscopic and thermal characterization**  
ÇOLAK A. T., Irez G., MUTLU GENÇKAL H., HÖKELEK T., Caylak N.  
JOURNAL OF COORDINATION CHEMISTRY, vol.62, no.6, pp.1005-1014, 2009 (SCI-Expanded)
- XV. **Synthesis and Characterization of New Tridentate Iminooxime Ligands and Their Co(III) Complexes**  
Mutlu Gençkal H., Irez G.  
TURKISH JOURNAL OF CHEMISTRY, vol.32, no.6, pp.731-741, 2008 (SCI-Expanded)
- XVI. **Potentiometric and spectroscopic studies on nickel(II) 1,4,7,10-tetraazacyclododecane complexation and thermodynamic aspects**  
Mutlu H., Aydın R., Ozer U.  
ASIAN JOURNAL OF CHEMISTRY, vol.19, no.1, pp.607-615, 2007 (SCI-Expanded)

## Articles Published in Other Journals

- I. **A new mixed ligand complex of copper(II) Ion with 5,7-dihydroxyflavone and substituted 2,2'-bipyridine**  
Mutlu Gençkal H.  
Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.25, no.2, pp.701-709, 2023 (Peer-Reviewed Journal)
- II. **Bis{3-(2-amino-benzilimino)-pentan-2-on oksimato}kobalt(III) sakkarinat monohidrat kompleksinin sentezi, karakterizasyonu ve teermal özellikleri**  
Mutlu Gençkal H.  
Balıkesir Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.20, no.1, pp.121-131, 2018 (Peer-Reviewed Journal)
- III. **Uv-Vis Spectra and Fluorescence Properties of Two Iminooxime Ligands and Their Metal Complexes: Optical Band Gaps**  
Kaya Y., Mutlu H., Irez G.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.23, no.1, pp.13-18, 2010 (ESCI)

## Metrics

Publication: 69  
Citation (WoS): 169  
Citation (Scopus): 190  
H-Index (WoS): 7  
H-Index (Scopus): 7

## Non Academic Experience

BPLAS BURSA PLASTİK METAL İNŞAAT VE TURİZM SANAYİ VE TİCARET A.Ş.