

# Prof. Hümeýra Batı

## Personal Information

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## International Researcher IDs

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## Education Information

Doctorate, Fırat University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Turkey 1979 - 1985

Undergraduate, Ankara University, Fen Fakültesi, Kimya Bölümü, Turkey 1973 - 1977

## Dissertations

Doctorate, "Afşin-Elbistan Linyit Kömürü Külünün Çimento Katkı Maddesi Olarak değerlendirilmesi", Fırat Üniversitesi, Fen Bilimleri Enstitüsü, Fırat University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 1985

## Research Areas

Natural Sciences

## Academic Titles / Tasks

Professor, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, 2006 - Continues

Associate Professor, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 1999 - 2006

Assistant Professor, Ondokuz Mayıs University, Fen-Edebiyat Fakültesi, Kimya Bölümü, 1998 - 1999

Assistant Professor, Ondokuz Mayıs University, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, 1985 - 1998

Research Assistant, Fırat University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, 1982 - 1985

Research Assistant, Fırat University, Fen Fakültesi, Kimya Bölümü, 1979 - 1982

## Academic and Administrative Experience

Ondokuz Mayıs University, 2018 - Continues

Ondokuz Mayıs University, 1985 - 1987

## Courses

### Doctorate

Ligant alan teorisi, Doctorate, 2013 - 2014

### Postgraduate

GEÇİŞ METAL KİMYASI, Postgraduate, 2015 - 2016, 2012 - 2013

Anorganik reaksiyon mekanizması, Postgraduate, 2012 - 2013

#### **Undergraduate**

ANORGANİK KİMYA I, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014

endüstriyel stokiyometri, Undergraduate, 2015 - 2016, 2014 - 2015, 2012 - 2013

METAL KİMYASI, Undergraduate, 2015 - 2016, 2012 - 2013

AMETAL KİMYASI, Undergraduate, 2014 - 2015, 2012 - 2013

Enüstriyel Kimya Lab., Undergraduate, 2014 - 2015

ANORGANİK KİMYA II, Undergraduate, 2014 - 2015, 2013 - 2014

Metalurji, Undergraduate, 2012 - 2013

Koordinasyon Kimyası, Undergraduate, 2012 - 2013

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

- I. **Design, synthesis, characterization, theoretical calculations, molecular docking studies, and biological evaluation of new Fe(II) and Cu(II) complexes of 2-acetylpyridine derivative sulfonyl hydrazone Schiff base**  
Cinarli M., Atal C. Y., Zeyrek C. T., Ogutcu H., AÇIK L., Batı H.  
JOURNAL OF MOLECULAR STRUCTURE, 2025 (SCI-Expanded)
- II. **Synthesis, structural characterization, Hirshfeld analyses, and biological activity studies of Ni(II) and Zn(II) complexes containing the sulfonohydrazone group**  
Cinarli M., YÜKSEKTEPE ATAOL Ç., Batı H., Guntepe F., ÖĞÜTÇÜ H., Buyukgungor O.  
INORGANICA CHIMICA ACTA, vol.484, pp.87-94, 2019 (SCI-Expanded)
- III. **Synthesis, characterization and biological activities of Ni(II), Cu(II) and UO<sub>2</sub>(VI) complexes of N'-((2Z,3E)-3-(hydroxyimino)butan-2-ylidene)-2-phenylacetohydrazide**  
Karadeniz S., YÜKSEKTEPE ATAOL Ç., Özen T., Demir R., ÖĞÜTÇÜ H., Batı H.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1175, pp.39-48, 2019 (SCI-Expanded)
- IV. **Synthesis, crystal structure, Hirshfeld surface and DFT studies of ([Cu(3-ptp)(2)(p-TS)(2)]) from decomposition of tosylhydrazone**  
Cinarli M., YÜKSEKTEPE ATAOL Ç., Taş M., Batı H.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1169, pp.59-67, 2018 (SCI-Expanded)
- V. **A theoretical and experimental study on isonitrosoacetophenone nicotinoyl hydrazone: Crystal structure, spectroscopic properties, NBO, NPA and NLMO analyses and the investigation of interaction with some transition metals**  
ZÜLFİKAROĞLU A., Batı H., DEGE N.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1162, pp.125-139, 2018 (SCI-Expanded)
- VI. **Synthesis, structural studies and antimicrobial activity of N'-((2Z,3E)-3-(hydroxyimino)butan-2-ylidene)-2-phenylacetohydrazide and its Co(II), Ni(II) complexes**  
Karadeniz S., YÜKSEKTEPE ATAOL Ç., ŞAHİN O., İDİL Ö., Batı H.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1161, pp.477-485, 2018 (SCI-Expanded)
- VII. **Experimental (X-ray, FT-IR, and UV-Vis Spectroscopy) and Theoretical Methods (DFT Study) of N'-(Dipyridin-2-ylmethylene)-4-methylbenzenesulfonohydrazide**  
ARIKAN Ş. M., Cinarli M., Batı H., ÇALIŞKAN N., YÜKSEKTEPE ATAOL Ç.  
CRYSTALLOGRAPHY REPORTS, vol.62, no.7, pp.1122-1127, 2017 (SCI-Expanded)
- VIII. **Experimental and Computational Studies of [N'-(2-Hydroxy-3-Methoxybenzylidene)-4-Methylbenzenesulfonohydrazide]nickel(II)**  
Senyuz N., Atal C. Y., Guntepe F., Batı H., Taş M.  
RUSSIAN JOURNAL OF COORDINATION CHEMISTRY, vol.42, no.6, pp.392-401, 2016 (SCI-Expanded)
- IX. **XRD, FTIR, H-1 NMR, C-13 NMR and UV spectroscopic and computational studies of [3-(hydroxyimino)butan-2-ylidene]furan-2-carbohydrazide**

- Kurnaz P., YÜKSEKTEPE ATAOL Ç., Bati H., Buyukgungor O.  
MOLECULAR CRYSTALS AND LIQUID CRYSTALS, vol.634, no.1, pp.61-72, 2016 (SCI-Expanded)
- X. **Spectroscopic and Quantum Chemical Studies of (Z)-N'-(3-(hidroksiimino)butan-2-ylidene)-4-metilbensulfonohidrazide Ligand**  
Guntepe F., Cinarli M., Kazak C., Bati H.  
MOLECULAR CRYSTALS AND LIQUID CRYSTALS, vol.616, no.1, pp.213-225, 2015 (SCI-Expanded)
- XI. **Synthesis, spectroscopy and X-ray studies of [N'-(2-hydroxy-3-methoxybenzylidene)-4-methylbenzenesulfonohidrazide]uranyl(IV)**  
Senyuz N., Ataol C. Y., Bati H.  
RUSSIAN JOURNAL OF COORDINATION CHEMISTRY, vol.40, no.11, pp.849-853, 2014 (SCI-Expanded)
- XII. **The synthesis, characterization and theoretical study on nicotinic acid [1-(2,3-dihydroxyphenyl)methylidene]hydrazide**  
DEGE N., Senyuz N., Bati H., Gunay N., AVCI D., Tamer O., ATALAY Y.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.120, pp.323-331, 2014 (SCI-Expanded)
- XIII. **Structural, spectroscopic characterization and EPR spectra of nitrate- $\mu$ -[N,N'-ethylenebis(3-methoxysalicylideneimine) Cu(II)Ag(I)] complex**  
Senyuz N., Yılmaz B., Bati H., Bozkurt E., Buyukgungor O.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.101, pp.167-171, 2013 (SCI-Expanded)
- XIV. **Experimental and computational studies of bis[bis(2-furyl)glyoximato]nickel(II)**  
ZÜLFİKAROĞLU A., YÜKSEKTEPE ATAOL Ç., Bati H., Buyukgungor O.  
JOURNAL OF COORDINATION CHEMISTRY, vol.65, no.9, pp.1525-1538, 2012 (SCI-Expanded)
- XV. **Ag<sup>+</sup>-selective poly(vinyl chloride) membrane electrode based on [N,N' - ethylenebis-(3-methoxy salicylaldimine)]**  
Topcu C., Coldur F., Andaç M., İŞILDAK İ., Senyuz N., Bati H.  
Current Analytical Chemistry, vol.7, no.2, pp.136-145, 2011 (SCI-Expanded)
- XVI. **Isonicotinic acid [1-(2,3 hydroxy phenyl) methylidene] hydrazide**  
DEGE N., Tecer E., Bati H.  
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.67, 2011 (SCI-Expanded)
- XVII. **N'-(2,3-Dihydroxybenzylidene)isonicotinohydrazide**  
Tecer E., DEGE N., Zulfikaroglu A., Senyuz N., Bati H.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.66, 2010 (SCI-Expanded)
- XVIII. **Bis[N-(isonitrosoacetophenone)-N'-benzoylhydrazonato-k(3)O,N,N']nickel(II) dimethylformamide disolvate hemihydrate: Synthesis, crystal structure, and spectroscopic and electronic properties**  
Zulfikaroglu A., Yuksekpe C., Bati H., Caliskan N.  
RUSSIAN JOURNAL OF COORDINATION CHEMISTRY, vol.36, no.2, pp.124-128, 2010 (SCI-Expanded)
- XIX. **Crystal structure and properties of (Z)-N'-((E)-2-(hydroxyimino)-1-phenylethylidene) isonicotinohydrazide**  
Zulfikaroglu A., Yuksekpe C., Bati H., Caliskan N., Buyukgungor O.  
JOURNAL OF STRUCTURAL CHEMISTRY, vol.50, no.6, pp.1166-1170, 2009 (SCI-Expanded)
- XX. **Synthesis, crystal structure and characterization of hexakis[2-methoxy-4-formylphenoxy]cyclotriphosphazene**  
Tumer Y., Bati H., Caliskan N., Yueksekpe C., Bueyuekguengoer O.  
ZEITSCHRIFT FÜR ANORGANISCHE UND ALLGEMEINE CHEMIE, vol.634, no.3, pp.597-599, 2008 (SCI-Expanded)
- XXI. **Synthesis and crystal structure of square-planar and mixed ligand octahedral nickel(II) O,O'-dicyclopentyl dithiophosphate complexes**  
Taş M., Yağan M., Bati H., Bati B., Büyükgüngör O.  
Indian Journal of Chemistry - Section A Inorganic, Physical, Theoretical and Analytical Chemistry, vol.47, no.1, pp.37-42, 2008 (SCI-Expanded)
- XXII. **Synthesis and characterization of Co(II), Ni(II) and Cu(II) complexes of 3-[(2,4-**

- dinitrophenyl)hydrazono]butane-2-one oxime**  
Bati H., Taş M., Davran C.  
RUSSIAN JOURNAL OF INORGANIC CHEMISTRY, vol.51, no.5, pp.728-731, 2006 (SCI-Expanded)
- XXIII. **Co(II), Ni(II) and Cu(II) complexes of 1,4-DI-(1-hydroxyimino-2-phenyl-2-oxo-ethylamino)benzene - Synthesis, characterization and thermal studies**  
Taş M., Bati H.  
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.85, no.2, pp.295-299, 2006 (SCI-Expanded)
- XXIV. **Ligands containing of a C=O and an -NH-R adjacent to the oxime group and their cobalt(II), nickel(II) and copper(II) complexes**  
Taş M., Bati H.  
Journal of Chemical Research, no.2, pp.87-92, 2006 (SCI-Expanded)
- XXV. **Synthesis, crystal structure, spectroscopic and thermal properties of a novel mixed ligand copper(II) complex with 5,5-dimethylhydantoin and benzylamine**  
Taş M., Soylu S., Bati H.  
Zeitschrift fur Naturforschung - Section B Journal of Chemical Sciences, vol.61, no.2, pp.133-138, 2006 (SCI-Expanded)
- XXVI. **Bis[1-(2,6-dimethylanilino)propane-1,2-dione dioximato]nickel(II)**  
Bati H., Zulfikaroglu A., Taş M., Andaç Ö., Harrison W.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.61, 2005 (SCI-Expanded)
- XXVII. **Bis[1-[(4-methoxyphenyl)amino]-2-methylglyoximato-kappa N-2,N']nickel(II)**  
Bati H., Dag C., Soylu M., Taş M., Caliskan N., Buyukgungor O.  
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.61, 2005 (SCI-Expanded)
- XXVIII. **Redetermination of bis(O,O'-dicyclohexyl phosphorodithioato)nickel(II)**  
Taş M., Yagan M., Bati H., Bati B., Buyukgungor O.  
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.61, 2005 (SCI-Expanded)
- XXIX. **Diacetatobis(2-aminobenzothiazole-kappa N)cobalt(II)**  
Bati H., Saracoglu H., Caliskan N., Soylu S.  
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, vol.61, 2005 (SCI-Expanded)
- XXX. **N-1-(4-bromophenyl)-N-2-hydroxy-2-oxo-2-phenylacetamidine**  
Soylu S., Taş M., Bati H., Caliskan N.  
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, vol.61, 2005 (SCI-Expanded)
- XXXI. **N-(1,3-benzothiazol-2-yl)-4-(dimethylamino)-benzylamine**  
Saracoglu H., Caliskan N., Davran C., Soylu S., Bati H., Buyukgungor O.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.60, 2004 (SCI-Expanded)
- XXXII. **N-1-(4-tert-butylphenyl)-N-2-hydroxy-alpha-oxo-alpha-phenylacetamidine and N-2-hydroxy-N-1-(4-nitrophenyl)-alpha-oxo-alpha-phenylacetamidine hemihydrate**  
Soylu S., Taş M., Saracoglu H., Bati H., Caliskan N., Buyukgungor O.  
ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, vol.60, 2004 (SCI-Expanded)
- XXXIII. **Bis[N-(2,6-dimethylphenyl)aminophenylglyoximato-kappa N-2,N']nickel(II) dimethyl sulfoxide solvate**  
Bati H., Zulfikaroglu A., Taş M., Caliskan N., Soylu S., Andaç Ö., Buyukgungor O.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.60, 2004 (SCI-Expanded)
- XXXIV. **2-(Benzothiazol-2-yliminomethyl)-6-methoxyphenol**  
Buyukgungor O., Caliskan N., Davran C., Bati H.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.60, 2004 (SCI-Expanded)
- XXXV. **3-[(2,4-Dinitrophenyl)hydrazono]butan-2-one oxime**  
Saracoglu H., Davran C., Soylu S., Andaç Ö., Bati H., Caliskan N.  
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS, vol.60, 2004 (SCI-Expanded)
- XXXVI. **Crystal structure of N-(3,4-dichlorophenyl)-N'-hydroxy-2-oxo-2-phenylacetamidine**  
Hokelek T., Taş M., Bati H.  
CRYSTAL RESEARCH AND TECHNOLOGY, vol.39, no.4, pp.363-367, 2004 (SCI-Expanded)

- XXXVII. **2-[Benzoyl(hydroxyimino)methylamino]benzoic acid**  
Soylu S., Taş M., Bati H., Caliskan N., Buyukgungor O.  
ACTA CRYSTALLOGRAPHICA SECTION C-CRYSTAL STRUCTURE COMMUNICATIONS, vol.60, 2004 (SCI-Expanded)
- XXXVIII. **N-(3-chloro-4-methylphenyl)-N'-hydroxy-2-oxo-2-phenylacetamide**  
Hokelek T., Buyukgungor O., Taş M., Bati H.  
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.60, 2004 (SCI-Expanded)
- XXXIX. **N'-(2,6-dimethylphenyl)-N-2-hydroxy-alpha-oxo-alpha-phenylacetamide**  
Soylu S., Taş M., Saracoglu H., Bati H., Caliskan N., Buyukgungor O.  
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY, vol.60, 2004 (SCI-Expanded)
- XL. **N-Hydroxy-N'-(1-naphthyl)-2-phenylacet-amidin-2-one**  
Hokelek T., Buyukgungor O., Taş M., Bati H.  
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.60, 2004 (SCI-Expanded)
- XLI. **N-(3-Chloro-4-methoxyphenyl)-N'-hydroxy-2-oxo-2-phenylacetamide**  
Soylu S., Taş M., Andaç Ö., Bati H., Caliskan N., Buyukgungor O.  
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.59, 2003 (SCI-Expanded)
- XLII. **N-hydroxy-2-oxo-2,N'-diphenylacetamide**  
Buyukgungor O., Hokelek T., Taş M., Bati H.  
ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE, vol.59, 2003 (SCI-Expanded)
- XLIII. **The synthesis and characterization of substituted aminomethylglyoximes and aminophenylglyoximes and their complexes with some transition metals**  
Zulfikaroglu A., Taş M., Bati H., Bati B.  
SYNTHESIS AND REACTIVITY IN INORGANIC AND METAL-ORGANIC CHEMISTRY, vol.33, no.4, pp.625-638, 2003 (SCI-Expanded)

## Books

- I. **X-RAY, SPECTROSCOPIC AND COMPUTATIONAL STUDIES OF [N'-(2-HYDROXY-3-METHOXYBENZYLIDENE)-4-METHYLBENZENESULFONOHYDRAZIDE]COPPER(II)**  
YÜKSEKTEPE ATAOL Ç., şenyüz n., güntepe f., TAŞ M., BATI H.  
in: Crystal Growth Concept, Mechanisms and Applications, Li, Jinjin, Li Jianwei, Chu Yanhui, Editor, Nova Science Publishers Inc. New York, pp.285-316, 2017

## Papers Published in Refereed Scientific Meetings

- I. **INVESTIGATION OF THE MOLECULAR POTENTIAL MEP OF C<sub>24</sub>H<sub>27</sub>NiN<sub>5</sub>O<sub>4</sub> THE COMPLEX**  
BATI H., YÜKSEKTEPE ATAOL Ç., BATI B., Karadeniz Ş.  
7th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2018), 27 - 31 August 2018
- II. **Investigation of the molecular orbital energies of C<sub>24</sub>H<sub>27</sub>NiN<sub>5</sub>O<sub>4</sub> the kompleks**  
BATI H., YÜKSEKTEPE ATAOL Ç., BATI B.  
7th International Eurasian Conferancu on Mathematical Sciences and Applications(IECMSA-2018), 28 - 31 August 2018
- III. **INVESTIGATION OF THE INTERACTIONS OF C<sub>24</sub>H<sub>27</sub>NiN<sub>5</sub>O<sub>4</sub> THE COMPLEX WITH DNA BASES**  
BATI B., YÜKSEKTEPE ATAOL Ç., BATI H.  
7th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2018), 28 - 31 August 2018
- IV. **The Synthesis and Characterization of N'xx-((2Z,3E)-3-(hydroxyimino)butan-2-ylidene)-2-phenylacetohydrazide (LH<sub>2</sub>) Ligand and Its[Ni(LH)(py)<sub>2</sub>(CH<sub>3</sub>COO)] Complex**  
BATI H., YÜKSEKTEPE ATAOL Ç., karadeniz ş., ŞAHİN O.

3rd INTERNATIONAL TURKIC WORLD CONFERENCE ON CHEMICAL SCIENCES AND TECHNOLOGIES, 10 - 13 September 2017

- V. **The Synthesis, Characterization and Computational Studies of a New Acylhydrazide Ligand and Its Complexes with Transition Metals**  
ZÜLFİKAROĞLU A., Şahin O., BATI H.  
RD International Turkic World Conference on Chemical Sciences and Technologies, 10 - 13 September 2017
- VI. **Experimental (X-ray, FT-IR and UV-VIS spectra) and theoretical methods (dft study) of n'xx-(dipyridin-2-ylmethylene)-4-methylbenzenesulfonohydrazide**  
AYDIN E. M., Çınarlı M., BATI H., ÇALIŞKAN N., YÜKSEKTEPE ATAOL Ç.  
III. International Turkish Congress on Molecular Spectroscopy, 26 - 29 August 2017
- VII. **Quantum Chemical Computational study of N2-((E)-2-(hydroxyimino)-1-phenylidene)furan-2-carbohydrazide**  
ZÜLFİKAROĞLU A., BATI H.  
III. International Turkish Congress on Molecular Spectroscopy, 26 - 29 August 2017
- VIII. **The Computational and Experimental Studies on (E)-4-Methyl-N'xx-(1-(Pyridin-2-yl) Ethylidene) Benzenesulfonohydrazide**  
BATI H., AYDIN E. M., ÇINARLI M., ÇALIŞKAN N.  
6th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2017), 15 August 2017 - 18 January 2018
- IX. **Synthesis, Spectroscopy, Magnetic Properties, X-Ray Single Crystal, Biological Activity and DNA Binding Studies Of Sulfonyl Hydrazones And Their Metal Complexes**  
ÇINARLI M., BATI H., ÖĞÜTCÜ H.  
International Conference on Engineering and Natural Sciences, 3 - 07 May 2017
- X. **Synthesis of 3-(pyridin-2-yl)-[1,2,3]triazolo[1,5-a]pyridine from decomposition of tosylhydrazide and their Cu(II) complex**  
ÇINARLI M., BATI H., TAŞ M.  
International Conference on Engineering and Natural Sciences, 3 - 07 May 2017
- XI. **Spectroscopic and Quantum Chemical Studies of (z)-N-(3-(hidroksiimino)butan-2-ylidene)-4-metilbenzensulfonohydrazide**  
Guntepe F., Çınarlı M., KAZAK C., BATI H.  
3rd International Conference On Engineering and Natural Sciences, 3 - 07 May 2017
- XII. **Experimental and Computational Studies of 2Z 3E 3 E 3 Ethoxy 2 Hydroxybenzylidene Hydrazono Butan 2 One Oxime**  
ÇALIŞKAN N., YÜKSEKTEPE ATAOL Ç., BATI H., Kurban N., Kurnaz P.  
5th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2016), 16 - 19 August 2016
- XIII. **N DİPİRİDİN 2 YLMETİLEN 4 METİLBENZENSÜLFONHİDRAZON Ni II KOMPLEKSİNİN SENTEZİ ve YAPISININ AYDINLATILMASI**  
Bati H., BATI H., Murat Ç., Feyizan G.  
V. ulusal anorganik kimya kongresi, Turkey, 22 - 25 April 2015
- XIV. **Structural Spectroscopic and Quantum Chemical Studies of Z N E 2 hydroxyimino 1 Phenylethylidene isonicotinohydrazide**  
ZÜLFİKAROĞLU A., YÜKSEKTEPE ATAOL Ç., BATI H.  
Turcom II. International Turkish Congress on molecular Spectroscopy, 13 - 18 September 2015
- XV. **Theoretical Studies on 2 4 dinitroPhenyl Hydrazono Phenyl Acetaldehyde Oxime Monohydrate**  
ZÜLFİKAROĞLU A., YÜKSEKTEPE ATAOL Ç., BATI H.  
Turcoms II. International Turkish Congress on Molecular Spectroscopy, 13 - 18 September 2015
- XVI. **N DİPİRİDİN 2 YLMETİLEN 4 METİLBENZENSÜLFONİLHİDRAZONLİGANDININ SENTEZİ ve YAPISININ AYDINLATILMASI**  
Çınarlı M., BATI H., AYDIN E. M., ÇALIŞKAN N., Murat Ç.  
V. ulusal Anorganik kimya Kongresi, Turkey, 22 - 25 April 2014

## Supported Projects

Bati H., Project Supported by Higher Education Institutions, Spektroskopik and Quantum chemical studies of (z)-N2-(3-(hidrosiimino)butan-2-ylidene)-4-metilbensensulfonohidrazide ligand, 2016 - 2023

Bati H., Project Supported by Higher Education Institutions, 7th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2018), Hu"meyra Bati 1, C,i^gdem Yu"ksektepe Ataol 2 and Bekir Bati 3, 2018 - 2019