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Publons / Web Of Science ResearcherID: AAG-1271-2020

ScopusID: 55905669900

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Education Information

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Fizik (Dr), Turkey 1994 - 2000

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Fizik (Yl) (Tezli), Turkey 1990 - 1994

Undergraduate, Ankara University, Fen Fakültesi, Fizik Bölümü, Turkey 1984 - 1989

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, 2-Hidroksi-1-naftaldehit ile 4-halosüstitüe anilinden elde edilen Schiff bazı ligandlarının kristal ve moleküler yapılarının incelenmesi, Ankara University, Fen Bilimleri Enstitüsü, Fizik (Dr), 2000

Postgraduate, Bazı organik sıvı ve katılarda spin örgü durulma mekanizmasının puls NMR yöntemi ile incelenmesi, Ankara University, Fen Bilimleri Enstitüsü, Fizik (Yl) (Tezli), 1994

Research Areas

Natural Sciences

Academic Titles / Tasks

Professor, Ankara University, Fen Fakültesi, Fizik Bölümü, 2011 - Continues

Associate Professor, Ankara University, Fen Fakültesi, Fizik Bölümü, 2006 - 2011

Assistant Professor, Ankara University, Fen Fakültesi, Fizik Bölümü, 2003 - 2006

Research Assistant, Ankara University, Fen Fakültesi, Fizik Bölümü, 1990 - 2003

Advising Theses

ÜNVER H., Mikrodalgaların malzeme içerisinde kaybettiği enerjinin hesaplanması, Postgraduate, M.ÇİFTÇİ(Student), 2014
ÜNVER H., Bazı 2-hidroksi Schiff bazlarının sentezi ve yapılarının spektroskopik yöntemlerle incelenmesi, Postgraduate, E.ÖZCAN(Student), 2012

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Enhanced nonlinear absorption coefficient and low optical limiting threshold of NiO nanocomposite films**
PEPE Y., KARATAY A., DONAR Y. O., Yıldız E., SINAĞ A., ÜNVER H., ELMALI A.
OPTİK, vol.227, 2021 (SCI-Expanded)
- II. **A Schiff base colorimetric probe for real-time naked-eye detection of biologically important fluoride and cyanide ions: Single crystal, experimental, theoretical, biological and antioxidant studies**
ÜNVER H., BOYACIOĞLU B., DEMİR N., Zeyrek C. T., YILDIZ M.
JOURNAL OF MOLECULAR STRUCTURE, vol.1221, 2020 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **Investigation of Sensor, Optical and Biological Properties of a New Class of Imine Derived from 3-Amino-4-hydroxybenzenesulfonic Acid and Electron Donating Group Substituted 2-Hydroxybenzaldehydes**
YILDIZ E., PEPE Y., ERDENER ÇIRALI D., TEKİN S., KARATAY A., BOYACIOĞLU B., ÜNVER H., YAPAR G., YILDIZ M., ELMALI A.
11. International Drug Chemistry Conference, Turkey, 09 March 2023
- II. **Green Synthesis and Biological Applications of Methanesulfonamide Functionalized Graphene Quantum Dots**
ÜNVER H., BOYACIOĞLU B., YILDIZ M., DEMİR N., YAPAR G.
The 2019 Pure and Applied Chemistry International Conference, 7 - 08 February 2019
- III. **Synthesis of 2-Aminoethylphosphonic Acid-Functionalized Graphene Quantum Dots and Their Applications in Molecular Biology**
YAPAR G., YILDIZ M., ŞAHİNER N., DEMİR N., YILDIRIM N., ÜNVER H., BOYACIOĞLU B.
4th Organic Chemistry Congress, 4 - 07 October 2018
- IV. **Preparation, Characterization and Biological Application of Palladium Nanoparticles (PdNps) Based on Nitrogen-Ooped Graphene Quantum Dots (Gqds)**
YAPAR G., YILDIZ M., ŞAHİNER N., YILDIRIM N., DEMİR N., ÜNVER H., BOYACIOĞLU B.
4th Organic Chemistry Congress, 4 - 07 October 2018, pp.148
- V. **Preparation Characterization and Biological Application of Palladium Nanoparticles (PdNps) Based on Nitrogen-Doped Graphene Quantum Dots (Gqds)**
YAPAR G., YILDIZ M., ŞAHİNER N., YILDIRIM N., DEMİR N., ÜNVER H., BOYACIOĞLU B.
4th Organic Chemistry Congress, Antalya, Turkey, 4 - 07 October 2018
- VI. **Synthesis and application of a colorimetric sensor based on polyethyleneimine doped graphene quantum dots nanoparticles directed to cations**
BOYACIOĞLU B., ÜNVER H., YILDIZ M., DEMİR N., YILDIRIM N., ELMALI A.
NANO-2018, Kyiv, Ukraine, 27 August 2018
- VII. **Preparation and characterization of silver nanoparticles (AgNPs) and their applications as biological agent**
ÜNVER H., BOYACIOĞLU B., YILDIZ M., DEMİR N., YILDIRIM N., ELMALI A.
NANO-2018, Kyiv, Ukraine, 27 August 2018
- VIII. **Cytotoxicity effect of graphene quantum dots-metal nanocomposite on human A549 and MCF-7 cells**
BOYACIOĞLU B., ŞENEL B., BÜYÜKKÖROĞLU G., ÜNVER H., YILDIZ M., DEMİR N., YILDIRIM N., ELMALI A.

NANO-2018, Kyiv, Ukraine, 27 August 2018

- IX. **Synthesis of nickel nanoparticles (NiNPs) using 4-aminophenol doped graphene quantum dots GQDs as reducing reagent and stabilizer**
ÜNVER H., BOYACIOĞLU B., YILDIZ M., DEMİR N., YILDIRIM N., ELMALI A.
NANO-2018, Kyiv, Ukraine, 27 August 2018
- X. **Molecular simulation of Pccel45A protein expressed from Aspergillus Nidulans to understand its structure, dynamics and thermostability**
ÜNAL M. A., BOYACIOĞLU B., ÜNVER H., ELMALI A.
3rd International Conference on Computational Mathematics and Engineering Sciences, Gazimagusa, Cyprus (Kkct), 04 May 2018
- XI. **Preparation, characterization, biological and sensor application of copper nanoparticles (CuNPs) based on nitrogen-doped porous carbon particles (GQDs)**
YILDIZ M., ŞAHİNER N., YILDIRIM N., DEMİR N., ÜNVER H., BOYACIOĞLU B., Demirci Ş.
7th International Molecular Biology and Biotechnology Congress, Konya, Turkey, 25 April 2018
- XII. **DFT calculation, biological activity, anion sensing application studies and crystal structure of (E)-4-methoxy-2-((4-methylbenzo[d]thiazol-2-ylidino)methyl)phenol**
ÜNVER H., YILDIZ M., YILDIRIM N., ALPASLAN G., BOYACIOĞLU B., ELMALI A.
The Pure and Applied Chemistry International Conference 2018 (PACCON 2018), Bangkok, Thailand, 7 - 09 February 2018
- XIII. **Crystal Structure, Density Functional Modelling and Molecular Docking Studies of tris (N-(2-furylmethyl)-3-methoxy-salicylidinaminato)cobalt(III)**
Zeyrek C. T., HAYVALI Z., ÜNVER H., ELMALI A.
International congress on Chemistry and Materials Science, 5 - 07 October 2017
- XIV. **A Study on Spectroscopic (FT-IR and NMR) Properties and DFT Computations of N-[[4-(diphenylamino)phenyl]methylene]-2,3,5,6,8,9,11,12-octahydro-1,4,7,10,13-benzopentaoxacyclopentadecin-15-amine**
ALPASLAN G., ŞENEL Ö., SEVİNÇ G., HAYVALI Z., ÜNVER H.
III. International Turkish Congress on Molecular Spectroscopy, 26 - 29 August 2017
- XV. **Synthesis, Quantum Chemical Calculations, Molecular Docking Studies and Anion Sensor Properties of Vanillin Schiff Base**
ÜNVER H., BOYACIOĞLU B., YILDIZ M., Zeyrek T., ELMALI A.
5rd International research and practice conference "Nanotechnology and Nanomaterials (NANO-2017), 23 - 26 August 2017
- XVI. **DFT Calculation, Anion Sensing Application Studies and Crystal Structure of 3-Aminopyridine-Based Imine Derivative**
BOYACIOĞLU B., ÜNVER H., YILDIZ M., Zeyrek T., ELMALI A.
5rd International research and practice conference "Nanotechnology and Nanomaterials (NANO-2017), 23 - 26 August 2017
- XVII. **Synthesis And use of Novel Water-Soluble Polyethyleneimine-Based Schiff bases as an Cation Sensor, DNA Binding, DNA Cleavage And Anti-Microbial Agent**
YILDIZ M., DEMİR N., ÜNVER H., BOYACIOĞLU B., ELMALI A.
5rd International research and practice conference "Nanotechnology and Nanomaterials (NANO-2017), 23 - 26 August 2017
- XVIII. **Elastic, Thermodynamic, and Phonon properties of TcNb, TcTa, and TcV: First principles study**
AKBUDAK S., CANDAN A., SOYALP F., ÜNVER H., UĞUR G., UĞUR Ş.
13th International Conference on Researches in Science and Technology (ICRST), Lizbon, Portugal, 25 - 26 May 2017
- XIX. **Synthesis, Theoretical, Antimicrobial Activity, DNA Binding, DNA Cleavage and Anion Sensing Studies of (E)-4-chloro-2-((pyridin-2-ylidino)methyl)phenol**
YILDIRIM N., DEMİR N., YILDIZ M., ÜNVER H., BOYACIOĞLU B., Zeyrek C. T.
IIVEK 3rd International Convention Of Pharmaceuticals And Pharmacies, Istanbul, 26 - 29 April 2017

- XX. **Quantum Chemical and Experimental Studies, Anti-Microbial, Anti-Mutagenic, Dna Binding and Anion Sensors Properties of A Schiff Base Derived From 3,5-Bis(Trifluoromethyl)Aniline With 3,5-Dichlorosalicylaldehyde**
ÜNVER H., YILDIZ M., BOYACIOĞLU B., DEMİR N., YILDIRIM N., Zeyrek T., ELMALI A.
The IIER International Conference, Bucharest, Romania, 24 - 25 February 2017
- XXI. **Theoretical Calculations, Biological Activities, Anion Sensing Applications and Crystallographic Studies of (E)-2-((3,5-Bis (Trifluoromethyl) Phenylimino) Methyl)-4,6-Dimethoxyphenol**
BOYACIOĞLU B., ÜNVER H., YILDIZ M., DEMİR N., YILDIRIM N., Zeyrek C. T., ELMALI A.
The IIER International Conference, Bucharest, Romania, 24 - 25 February 2017
- XXII. **Anion Sensing, Biological Activities, Spectroscopic and Crystallographic Studies of 5-Methylsalicylaldehyde Schiff Base**
YILDIZ M., ÜNVER H., BOYACIOĞLU B., DEMİR N., YILDIRIM N., Zeyrek C. T., ELMALI A.
The IIER International Conference, Bucharest, Romania, 24 - 25 February 2017
- XXIII. **Synthesis, characterization, molecular docking, biological activity, and DFT studies of a new benzoxazole ligand**
Zeyrek C. T., ARPACI Ö., ÜNVER H., BOYACIOĞLU B., ELMALI A.
PACCON 2017 Pure and Applied Chemistry International Conference, 2 - 03 February 2017
- XXIV. **Synthesis Spectroscopic and Crystallographic Characterization of Pyridine imine Compounds DFT Calculation Anion Sensor and Biological Activity Studies**
ÜNVER H., Yolal D., Zeyrek C. T., BOYACIOĞLU B., YILDIZ M., DEMİR N., YILDIRIM N.
2nd ITWCCST, 26 - 30 October 2016
- XXV. **A New Schiff Base Sensor Selective to Anions Its Ni II and Cu II Complexes Inter Actions with DNA Quantum Chemical and Spectral Studies and Use as Anticancer Agent**
YILDIZ M., ÜNVER H., BOYACIOĞLU B., YILDIRIM N., DEMİR N., Zeyrek C. T., ELMALI A.
2nd ITWCCST, 26 - 30 October 2016
- XXVI. **A Schiff Base Sensor Selective to Anions Quantum Mechanical Calculation and DNA Binding Studies**
ÜNVER H., BOYACIOĞLU B., YILDIZ M., DEMİR N., YILDIRIM N., Zeyrek C. T., ELMALI A.
2nd ITWCCST, 26 - 30 October 2016
- XXVII. **experimental DFT biological activity and molecular docking studies of 5 ethylsulphonyl 2 phenyl benzoxazole**
zeyrek c. t., ÜNVER H., ARPACI Ö., BOYACIOĞLU B., ELMALI A.
Nanotechnology and nanomaterials, 24 - 27 August 2016
- XXVIII. **Molecular structure and quantum chemical calculations on a novel bidentate Schiff base ligand E 4 4 ethoxyphenylimino methyl 2methoxyphenol**
ÜNVER H., Zeyrek C. T., BOYACIOĞLU B., YILDIZ M.
The 2016 Pure and Applied Chemistry International Conference (PACCON 2016), 9 - 11 February 2016
- XXIX. **Synthesis Theoretical Antimicrobial Activity DNABinding and DNA Cleavage Studies of E 3 3 5 bis trifluoromethyl phenylimino methyl benzene 1 2 diol**
YILDIRIM N., DEMİR N., YILDIZ M., ÜNVER H., BOYACIOĞLU B., ZEYREK T.
2. Uluslararası İlaç ve Eczacılık Kongresi, 27 - 29 November 2015
- XXX. **Synthesis Characterization Antimicrobial Activity and DNA Binding Studies of a Schiff Base**
YILDIZ M., YILDIRIM N., DEMİR N., ÜNVER H., BOYACIOĞLU B., ZEYREK T.
2. Uluslararası İlaç ve Eczacılık Kongresi, 27 - 29 November 2015
- XXXI. **Experimental DFT calculation Biological Activity and Anion Sensing Applications Studies of a New Schiff Base E 4 pyridin 3 ylimino methyl benzene 1 3 diol**
ÜNVER H., BOYACIOĞLU B., ZEYREK T., YOLAL D., YILDIZ M.
1st International Turkic World Conference on Chemical Sciences and Technologies, 27 October - 01 November 2015
- XXXII. **Synthesis biological activity crystal structure and quantum chemical studies of a novel bidentate Schiff base derived from 3 5 bis trifluoromethyl aniline and salicylaldehyde**
YILDIZ M., KARPUZ Ö., ZEYREK T., BOYACIOĞLU B., DAL H., DEMİR N., YILDIRIM N., ÜNVER H.

Molecular Modelling in Chemistry and Biochemistry, 13 - 15 November 2014

XXXIII. **G3 PAMAM Dendrimer-miRNA Polyplex Formation: Computational and Experimental Approach**
Öztuna A., NAZIR H., Zeyrek T. C., ÜNVER H.

28. Ulusal Kimya Kongresi, Mersin, Turkey, 15 - 21 August 2016

XXXIV. **Bazı Naftaldimin Türevlerinin Katı Elektrotlarda İndirgenme Reaksiyonlarının İncelenmesi**
UÇAR M., POLAT K., ÜNVER H., MENEK N., AKSU M. L.

XIV.Ulusal Kimya Kongresi, Dicle Üniversitesi ,Diyarbakır, DAYARBAKIR, Turkey, 10 - 15 September 2000

XXXV. **Halo Süstitüe Schiff bazlarının Sentezi ve keto enol Tautomerizm özelliğinin UV Spektroskopisi Tekniği ile İncelenmesi**

ÜNVER H., UÇAR M., POLAT K., D MEHMET Z.

XIV.Ulusal Kimya Kongresi, Dicle Üniversitesi, Diyarbakır, Diyarbakır, Turkey, 10 - 15 September 2000

XXXVI. **1 N 4 halofenil 2 hidroksi 1 naftaliden Türevlerinin Sentezi ve Keto Enol tautomerizm Özelliğinin U V Spektroskopi Tekniği ile İncelenmesi**

ÜNVER H., POLAT K., UÇAR M., D MEHMET Z.

XIV.Ulusal Kimya Kongresi, Dicle Üniversitesi ,Diyarbakır-Türkiye, 2000., Diyarbakır, Turkey, 10 - 15 September 2000

XXXVII. **Investigation of 2 hydroxy 4 N halophenyl naphtaldimine Derivatives on Solid Electrodes**

POLAT K., UÇAR M., ÜNVER H., D MEHMET Z., AKSU M. L.

MBCAC III 3rd Mediterranean Basin Conference on Analytic Chemistry, 4 - 09 June 2000

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Publication: 109

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Citation (Scopus): 2009

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H-Index (Scopus): 25