

Personal Information

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Education Information

Doctorate, Kocaeli Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, Turkey 2008 - 2014

Post Graduate, Trakya Üniversitesi, Fen Fakültesi, Fizik Bölümü, Turkey 2002 - 2005

Under Graduate, Trakya Üniversitesi, Fen Fakültesi, Fizik Bölümü, Turkey 1998 - 2002

Dissertations

Doctorate, Sudan moleküllerinin ve metal komplekslerinin deneysel ve teorik olarak yapılarının incelenmesi, Kocaeli Üniversitesi, Fen-Edebiyat Fakültesi, Fizik Bölümü, 2013

Post Graduate, Kuantum kuyularında varyasyonel ve airy çözümleri, Trakya Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2005

Academic Titles / Tasks

Assistant Professor, Kocaeli Üniversitesi, Eğitim Fakültesi, Temel Eğitim, 2019 - Continues

Associate Professor, Kocaeli Üniversitesi, Eğitim Fakültesi, Temel Eğitim, 2018 - Continues

Expert, Kocaeli Üniversitesi, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü, 2006 - 2014

Research Assistant, Trakya Üniversitesi, Fen Fakültesi, Fizik Bölümü, 2002 - 2006

Jury Memberships

Post Graduate, Post Graduate, Kocaeli Üniversitesi, June, 2019

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **Spectroscopic, Hirshfeld Surface Analysis, and Molecular Docking Studies on Potent Anti-Inflammatory and Analgesic Activity Methyl 3-methyl-2-((pyridin-2-ylcarbonyl)amino)Benzoate**
EŐME A.
CHEMISTRYSELECT, vol.5, pp.3144-3158, 2020 (Journal Indexed in SCI)
- **Conformational, spectroscopic (FT-IR, FT-Raman, and UV-Vis), and molecular docking studies of N-(2-hydroxyethyl) succinimide**
EŐme A., Sagdinc S.
Journal of Molecular Structure, vol.1195, pp.451-461, 2019 (Journal Indexed in SCI)
- **Experimental (FT-IR, FT-Raman, and UV-Vis) and quantum chemical calculations on monomer and dimer structures of 1-hydroxy-2-naphthoic acid using the DFT and TD-DFT methods**
EŐME A.
INDIAN JOURNAL OF PURE & APPLIED PHYSICS, vol.57, pp.822-835, 2019 (Journal Indexed in SCI)
- **Theoretical Investigation on the Molecular Structure, Electronic, Spectroscopic Studies and Nonlinear Optical Properties of 5-bromo-1-(2-cyano-pyridin-4-yl)-1H-indazole-3-carboxylic acid diethylamide: a DFT and TD-DFT Study**
EŐME A.
ACTA PHYSICA POLONICA A, vol.136, pp.378-394, 2019 (Journal Indexed in SCI)
- **Quantum chemical calculations, Hirshfeld surface analysis, and molecular docking studies of**

antibacterial (E)-N'-((1H-Indol-3-yl)methylene)-4-bromobenzohydrazide

Eşme A.

SPECTROSCOPY LETTERS, vol.52, pp.398-412, 2019 (Journal Indexed in SCI)

- **Theoretical and spectroscopic studies of a tricyclic antidepressant, imipramine hydrochloride**
Sagdinc S. G. , AZKESKİN C., EŞME A.
JOURNAL OF MOLECULAR STRUCTURE, vol.1161, pp.169-184, 2018 (Journal Indexed in SCI)
- **Molecular structures, spectroscopic (FT-IR, NMR, UV) studies, NBO analysis and NLO properties for tautomeric forms of 1,3-dimethyl-5-(phenylazo)-6-aminouracil by density functional method**
EŞME A., Sagdinc S. G.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.188, pp.443-455, 2018 (Journal Indexed in SCI)
- **Quantum Chemical Calculations of the Spectroscopic Properties and Nonlinear Optical Activity of 2,6-Dibromo-3-Chloro-4-Fluoroaniline**
EŞME A., Sagdinc S. G.
JOURNAL OF APPLIED SPECTROSCOPY, vol.84, pp.1098-1107, 2018 (Journal Indexed in SCI)
- **Spectroscopic (FT-IR, FT-Raman, UV-Vis) analysis, conformational, HOMO-LUMO, NBO and NLO calculations on monomeric and dimeric structures of 4-pyridazinecarboxylic acid by HF and DFT methods**
EŞME A., Sagdinc S. G.
JOURNAL OF MOLECULAR STRUCTURE, vol.1147, pp.322-334, 2017 (Journal Indexed in SCI)
- **Quantum chemical calculations on the geometrical, conformational, spectroscopic (FTIR, FT-Raman) analysis and NLO activity of milrinone[5-cyano-2-methyl-(3,4'-bipyridin)-6(1h)-one] by using hartree-fock and densityfunctional methods**
EŞME A.
Journal Of Applied Spectroscopy, vol.55, pp.478-489, 2017 (Journal Indexed in SCI)
- **Theoretical Studies of Molecular Structures, Infrared Spectra, NBO and NLO Properties of Some Novel 5-arylazo-6-hydroxy-4-phenyl-3-cyano-2-pyridone Dyes**
EŞME A., Sagdinc S. G.
ACTA PHYSICA POLONICA A, vol.130, pp.1273-1287, 2016 (Journal Indexed in SCI)
- **Experimental and theoretical studies on Sudan Red G [1-(2-methoxyphenylazo)-2-naphthol] and its Cu(II) coordination compound**
EŞME A., Sagdinc S., Yıldız S. Z.
JOURNAL OF MOLECULAR STRUCTURE, vol.1075, pp.264-278, 2014 (Journal Indexed in SCI)
- **The vibrational studies and theoretical investigation of structure, electronic and non-linear optical properties of Sudan III [1-[[4-(phenylazo) phenyl]azo]-2-naphthalenol]**
EŞME A., Sagdinc S. G.
JOURNAL OF MOLECULAR STRUCTURE, vol.1048, pp.185-195, 2013 (Journal Indexed in SCI)
- **Theoretical study on the relationship between the molecular structure and corrosion inhibition efficiency of long alkyl side chain acetamide and isoxazolidine derivatives**
KARA Y. S. , Sagdinc S. G. , EŞME A.
PROTECTION OF METALS AND PHYSICAL CHEMISTRY OF SURFACES, vol.48, pp.710-721, 2012 (Journal Indexed in SCI)
- **Theoretical and vibrational studies of 4,5-diphenyl-2-oxazole propionic acid (oxaprozin)**
Sagdinc S. G. , EŞME A.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.75, pp.1370-1376, 2010 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- **Theoretical Studies Of Molecular Structures, Infrared Spectra And Nlo Properties Of Some Novel 5-Arylazo-6-Hydroxy-4-Phenyl-3-Cyano-2-Pyridone Dyes**
EŞME A., GÜNEŞDOĞDU SAĞDINC S.
III. International Turkish Congress on Molecular Spectroscopy (TURCMOS 2017), 26 - 29 Ağustos 2017

Other Publications

- **Theoretical studies of molecular structure, spectroscopic, electronic and NLO investigations of Oxamyl**
Eşme A.
Other, pp.99-115, 2017
- **The linear, nonlinear optical properties and quantum chemical parameters of some sudan dyes**
Eşme A., Güneşdoğdu Sağdıç S.
Other, pp.47-75, 2014

Supported Projects

EŞME A., Project Supported by Higher Education Institutions, BAZI SÜKSİNİMİDLERİN DENEYSEL VE TEORİK OLARAK SPEKTROSKOPİK (FT-IR, FT-Raman, UV-Vis) ÖZELLİKLERİNİN ARAŞTIRILMASI, 2018 - 2019

EŞME A., Project Supported by Higher Education Institutions, 4-PRİDAZİNKARBOKSİLİK ASİT MOLEKÜLÜNÜN GEOMETRİK YAPISININ VE TİTREŞİM FREKANSLARININ DENEYSEL VE TEORİK OLARAK İNCELENMESİ, 2017 - 2018

EŞME A., Project Supported by Higher Education Institutions, ARİLAZO PRİDON BOYALARININ KONFONMASYON, TİTREŞİM SPEKTRUMLARI, DOĞAL BAĞ ORBİTALLERİ (NBO), VE NONLİNEER OPTİK ÖZELLİKLERİNİN TEORİK OLARAK ÇALIŞILMASI, 2015 - 2016

EŞME A., Project Supported by Higher Education Institutions, AZO BOYAR MOLEKÜLLERİNİN MOLAKÜLER YAPILARININ ELEKTRONİK VE LİNEER ..., 2014 - 2015

Scientific Refereeing

RESEARCH ON CHEMICAL INTERMEDIATES, SCI Journal, May 2020

SPECTROSCOPY LETTERS, SCI Journal, May 2020

POLYCYCLIC AROMATIC COMPOUNDS, SCI Journal, March 2020

chemical data collections - CDC_2019_5 - August 2019, Other Indexed Journal, August 2019

Journal of Molecular Liquids-MOLLIQ_2019_3191, SCI Journal, July 2019

JOURNAL OF MOLECULAR LIQUIDS, SCI Journal, July 2019

SPECTROSCOPY LETTERS, SCI Journal, June 2019

Spectroscopy Letters: An International Journal for Rapid Communication-MS_SL_101_19, SCI Journal, May 2019

Chemical Data Collections, SCI Journal, November 2018

Journal of Theoretical & Computational Chemistry, SCI Journal, October 2018

COMPUTATIONAL BIOLOGY AND CHEMISTRY, SCI Journal, August 2018

COMPUTATIONAL BIOLOGY AND CHEMISTRY, SCI Journal, June 2018

Invited Congress and Symposium Activities

Temel Eğitim Bölümünde Öğrenimlerini Sürdüren ÖğretmenAdaylarının Bilinçli Su Tüketimine Yönelik Davranışlarının İncelenmesi., Working Group, Muğla, Turkey, 2019 - 2019

Turkish Physical Society 35th International Physics Congress / THEORETICAL STUDY OF NEW SCHIFF BASE 3-(1-NDITHIOXAMIDE)İMİNOISATİNS WITH MORPHOLINE OR DIPHENYLAMINE AS CORROSION INHIBITORS, Working Group, Muğla, Turkey, 2019 - 2019

"Spectroscopic (FT?IR, FT?Raman, UV?Vis) Analysis on Monomeric and Dimeric Structures of 4?Pyridazinecarboxylic Acid by HF and DFT Methods", A. Eşme and S. G. Sağdınc, , XXXIV EUROPEAN CONGRESS ON MOLECULAR SPECTROSCOPY - EUCMOS 2018, (2018), Attendee, Turkey, 2018 - 2018

"The Study of Vibrational Spectroscopies for 5-Bromo-2-oxindole (5Br2O) Dimer", A. Eşme , H. Caliskan and S. G. Sağdınc, , XXXIV EUROPEAN CONGRESS ON MOLECULAR SPECTROSCOPY - EUCMOS 2018, (2018), Attendee,

Muğla, Turkey, 2018 - 2018

"Milrinone [5-siyano-2-metil-(3,4'-bipiridin)-6(1h)-one] molekülünün Geometrik Yapısının, NLO ve Spektroskopik (FT-IR, FT-Raman) Özelliklerinin Hartree-Fock (HF) Ve Yoğunluk Fonksiyonel Teorisi (DFT) Kullanılarak İncelenmesi-SÖZLÜ, Working Group, Zonguldak, Turkey, 2017 - 2017

"THEORETICAL STUDIES OF MOLECULAR STRUCTURES, INFRARED SPECTRA AND NLO PROPERTIES OF SOME NOVEL 5-ARYLAZO-6-HYDROXY-4-PHENYL-3-CYANO-2-PYRIDONE DYES-SÖZLÜ", A. Eşme, S. G. Sağdıç, , III. International Turkish Congress on Molecular Spectroscopy (TURCMOS 2017), (2017), Working Group, Muğla, Turkey, 2017 - 2017

"Spectroscopic studies on Cu(II) coordination compound of Sudan Red G [1-(2-methoxyphenylazo)-2-naphthol]", Asli Eşme, Seda Güneşdoğdu Sağdıç, Salih Zeki Yıldız, , TURCMOS2015 II. International Turkish Congress on Molecular Spectroscopy, (2015), Attendee, Antalya, Turkey, 2015 - 2015

"The DFT and Vibrational Studies of Sudan Red G", Asli Eşme, Seda Güneşdoğdu Sağdıç, , International Turkish Congress on Molecular Spectroscopy (TURCMOS 2013), (2013), Attendee, İstanbul, Turkey, 2013 - 2013

"DFT STUDIES AND SPECTROSCOPIC INVESTIGATION OF SUDAN III AND SUDAN ORANGE G ", ASLI EŞME, SEDA GÜNEŞDOĞDU SAĞDINÇ, , Chemical Physics Congress-IX, (2012), Attendee, İzmir, Turkey, 2012 - 2012

"THEORETICAL STUDY ON THE RELATIONSHIP BETWEEN MOLECULAR STRUCTURE AND CORROSION INHIBITION EFFICIENCY OF DIOL AND ISOXAZOLIDINE DERIVATIVES", Seda GÜNEŞDOĞDU SAĞDINÇ, ASLI EŞME, , TFD 27 - Türk Fizik Derneği 27. Uluslararası Fizik Kongresi, (2010), Attendee, İstanbul, Turkey, 2010 - 2010

"THEORETICAL STUDIES OF OXAPROZIN, (4,5-DIPHENYL-2-OXAZOLE-PROPIONIC ACID) AND ITS COPPER COMPLEX", SEDA GÜNEŞDOĞDU SAĞDINÇ, ASLI EŞME, , TÜRK FİZİK DERNEĞİ 25. ULUSLARARASI FİZİK KONGRESİ, (2008), Attendee, Muğla, Turkey, 2008 - 2008

Citations

Total Citations (WOS):119

h-index (WOS):5