

Assoc. Prof. EBRU AKTAN

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Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 2001 - 2008

Post Graduate, Gazi University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), Turkey 1998 - 2001

Under Graduate, Hacettepe University, Eğitim Fakültesi, Ortaöğretim Fen Ve Matematik Alanlar Eğitimi Bölümü, Turkey 1993 - 1997

Dissertations

Doctorate, Heterosiklik Bileşen İçeren Yeni Dispers Azo Boyarmaddelerinin Sentezi ve Yapılarının Aydınlatılması, Gazi University, Fen Bilimleri Enstitüsü, Kimya (Dr), 2008

Post Graduate, N,N'-xx-Difenil-N'xx,N'xx'xx-bis(sübstütüefenil)-C,C'xx-p-fenilen Diformazanların Sentezi, Yapılarının Aydınlatılması ve Farklı Çözücüler İçinde Absorpsiyon Spektrumlarının İncelenmesi, Gazi University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 2001

Academic Titles / Tasks

Associate Professor, Gazi University, Fen Fakültesi, Kimya Bölümü, 2018 - Continues

Research Assistant, Gazi University, Fen Fakültesi, Kimya Bölümü, 1998 - 2018

Professional Experience

Erasmus Coordinator, Gazi University, Fen Fakültesi, Kimya Bölümü, 2016 - Continues

Courses

Genel Kimya, Under Graduate, 2017 - 2018

Organik Kimya Laboratuvarı 1, Under Graduate, 2017 - 2018

Organik Kimyaya Giriş, Under Graduate, 2017 - 2018

Organik Kimya 1, Under Graduate, 2017 - 2018

Organik Kimya, Under Graduate, 2017 - 2018

Stereokimya 2, Post Graduate, 2017 - 2018

Stereokimya 1, Post Graduate, 2017 - 2018

Genel Kimya I, Under Graduate, 2016 - 2017

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

- I. **Indole based push-pull dyes bearing azo and dimethine: Synthesis, spectroscopic, NLO, anion affinity properties and thermal characterization**
Keles E., Yahya M., Aktan E., Aydiner B., Seferoğlu N., Barsella A., Seferoğlu Z.
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.402, 2020 (Journal Indexed in SCI)
- II. **1-Aryl-3,5-dimethylpyrazolium based tunable protic ionic liquids (TPILs)**
Ozdemir M. C. , Ozgun B., AKTAN E.
JOURNAL OF MOLECULAR STRUCTURE, vol.1180, pp.564-572, 2019 (Journal Indexed in SCI)
- III. **Combined spectroscopic, XRD crystal structure and DFT studies on 2-(ethylthio)pyrimidine-4,6-diamine**
AKTAN E., Babur B., SEFEROĞLU N., ÇATIKKAŞ B., KAYNAK F. B. , SEFEROĞLU Z.
JOURNAL OF MOLECULAR STRUCTURE, vol.1145, pp.152-159, 2017 (Journal Indexed in SCI)
- IV. **Hetarylazopyrazolone Dyes Based on Benzothiazole and Benzimidazole Ring Systems: Synthesis, Spectroscopic Investigation, and Computational Study**
AKTAN E., Uyar T.
JOURNAL OF CHEMISTRY, vol.2017, 2017 (Journal Indexed in SCI)
- V. **Structural, physicochemical characterization, theoretical studies of carboxamides and their Cu(II), Zn(II) complexes having antibacterial activities against E. coli**
AKTAN E., BALABAN GÜNDÜZALP A., ÖZDEMİR ÖZMEN Ü.
JOURNAL OF MOLECULAR STRUCTURE, vol.1128, pp.775-784, 2017 (Journal Indexed in SCI)
- VI. **Vibrational and electronic investigations, NLO, FMO analysis on a hetarylazoindole disperse dye by density functional theory**
ÇATIKKAŞ B., AKTAN E., Yalçin E.
JOURNAL OF MOLECULAR STRUCTURE, vol.1117, pp.218-226, 2016 (Journal Indexed in SCI)
- VII. **Synthesis, molecular structure and computational study of (Z)-2-((E)-4-nitrobenzylidene)hydrazone)-1,2-diphenylethan-1-one**
ELMACI G., AKTAN E., SEFEROĞLU N., HÖKELEK T., SEFEROĞLU Z.
JOURNAL OF MOLECULAR STRUCTURE, vol.1099, pp.83-91, 2015 (Journal Indexed in SCI)
- VIII. **Phenylazoindole dyes 3: Determination of azo-hydrazone tautomers of new phenylazoindole dyes in solution and solid state**
Babur B., SEFEROĞLU N., AKTAN E., HÖKELEK T., ŞAHİN E., SEFEROĞLU Z.
JOURNAL OF MOLECULAR STRUCTURE, vol.1081, pp.175-181, 2015 (Journal Indexed in SCI)
- IX. **Characterization, antibacterial, anticarbonic anhydrase II isoenzyme, anticancer, electrochemical and computational studies of sulfonic acid hydrazide derivative and its Cu(II) complex**
ÖZDEMİR ÖZMEN Ü., AKTAN E., İlbiz F., BALABAN GÜNDÜZALP A., ÖZBEK N., SARI M., ÇELİK Ö., SAYDAM S.
INORGANICA CHIMICA ACTA, vol.423, pp.194-203, 2014 (Journal Indexed in SCI)
- X. **Phenylazoindole dyes 2: The molecular structure characterizations of new phenylazo indoles derived from 1,2-dimethylindole**
Babur B., SEFEROĞLU N., AKTAN E., HÖKELEK T., ŞAHİN E., SEFEROĞLU Z.
DYES AND PIGMENTS, vol.103, pp.62-70, 2014 (Journal Indexed in SCI)
- XI. **Synthesis, characterization and theoretical study of new hetarylazopyrazolone dyes and investigation of their absorption spectra**
AKTAN E., Ertan N., Uyar T.
JOURNAL OF MOLECULAR STRUCTURE, vol.1060, pp.215-222, 2014 (Journal Indexed in SCI)
- XII. **Infrared and Raman spectra, DFT investigation of the tautomerism, conformational equilibrium, structure and vibrational assignment of 1-(2-benzothiazolyl)-3-methyl pyrazol-5-one**
AKTAN E., ÇATIKKAŞ B.
VIBRATIONAL SPECTROSCOPY, vol.67, pp.92-100, 2013 (Journal Indexed in SCI)
- XIII. **DFT, FT-Raman, FTIR, NMR, and UV-Vis studies of a hetarylazo indole dye**
ÇATIKKAŞ B., AKTAN E., SEFEROĞLU Z.
INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY, vol.113, no.5, pp.683-689, 2013 (Journal Indexed in SCI)
- XIV. **The synthesis, characterisation and molecular structure of a new hetarylazoindole dye studied by X-**

ray diffraction, spectral analysis and density functional theory calculation

AKTAN E., SEFEROĞLU Z., HÖKELEK T., ŞAHİN E.

COLORATION TECHNOLOGY, vol.128, no.5, pp.371-377, 2012 (Journal Indexed in SCI)

XV. **Synthesis and Characterization of Novel Mn(II), Co(III), Ni(II) and Cd(II) Complexes from 4-(2-nitrophenylazo)-1H-pyrazole-3,5-diamine**

Esener H., ADIGÜZEL R., Ergin Z., AKTAN E., TURAN N., ŞEKERCİ M.

ADVANCED SCIENCE LETTERS, vol.4, pp.3669-3675, 2011 (Journal Indexed in SCI)

XVI. **Synthesis and structure of a novel hetarylazoindole dye studied by X-ray diffraction, FT-IR, FT-Raman, UV-vis, NMR spectra and DFT calculations**

AKTAN E., Babur B., SEFEROĞLU Z., HÖKELEK T., Sahin E.

JOURNAL OF MOLECULAR STRUCTURE, vol.1002, pp.113-120, 2011 (Journal Indexed in SCI)

XVII. **Synthesis and Characterization of Ni(II) and Cd(II) Complexes of 4-(4-Nitrophenylazo)-1H-pyrazole-3,5-diamine and 4-(4-Methylphenylazo)-1H-pyrazole-3,5-diamine**

ADIGÜZEL R., Esener H., Ergin Z., AKTAN E., TURAN N., ŞEKERCİ M.

ASIAN JOURNAL OF CHEMISTRY, vol.23, no.6, pp.2795-2800, 2011 (Journal Indexed in SCI)

XVIII. **Synthesis and Characterization of Novel Ni(II), Cu(II) and Cd(II) Complexes of 4-(2-Chlorophenylazo)-1H-pyrazole-3,5-diamine**

ADIGÜZEL R., Esener H., Ergin Z., AKTAN E., ŞEKERCİ M.

ASIAN JOURNAL OF CHEMISTRY, vol.23, no.4, pp.1846-1850, 2011 (Journal Indexed in SCI)

XIX. **Spectral characterisation and computational studies of some novel phenylazoindol-2-one dyes**

SEFEROĞLU Z., AKTAN E., Ertan N.

COLORATION TECHNOLOGY, vol.125, no.6, pp.342-351, 2009 (Journal Indexed in SCI)

Articles Published in Other Journals

I. **Theoretical Study of The Structure and Tautomerism of An Asymmetric Diimine Schiff Base, Preparation and Characterization of Its Modified Electrode**

UZUN D., AKTAN E., ÖZDEMİR Ö., HASDEMİR E.

GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.30, no.4, pp.124-138, 2017 (Journal Indexed in ESCI)

II. **DFT studies and vibrational spectra of 2,2-phenyldiazenyl propanedinitrile**

AKTAN E., ÇATIKKAŞ B.

Azerbaijan Journal of Physics Fizika, vol.16, pp.614-615, 2010 (Non-Refreed Journal)

Books & Book Chapters

I. **Gazlar**

TÜMTÜRK H., MENZEK A., TUNÇELİ A., AKTAN E., SEVİN DÜZ F., ÜNAL H. İ. , YEKELER H., KIRAN İ., AKSU M. L. , PULAT M., et al.

in: Genel Kimya Öğrenciler İçin Problem Çözümleri, Recai İnam, Serpil Aksoy, Editor, Palme Yayıncılık, Ankara, pp.109-149, 2015

Refereed Congress / Symposium Publications in Proceedings

I. **A Novel Series Of Indole-Based Colorimetric Chemosensors**

Çakmaz D., Keleş E., YAHYA M., PUTRA A. U. , SEFEROĞLU Z., AKTAN E., SEFEROĞLU N.

10th EurAsian Meeting on Heterocyclic Chemistry, Milano Matittima-Cervia, Ravenna, Italy, 15 - 19 September 2019

II. **Pyrazolium based Ionic Liquids: Crystal Structures and Theoretical Calculations**

ÖZDEMİR M., AKTAN E., ŞAHİN E.

International Euroasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 26 - 27 April 2018, pp.1357

- III. **Experimental and Theoretical Studies of Potent Bioactive 2-Hydroxy-1-naphthaldehyde propanesulfonylhydrazone,**
AKTAN E., ÖZDEMİR ÖZMEN Ü.
1st International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), 26 - 27 April 2018
- IV. **Characterization of an Environment-friendly Chemical,**
AKTAN E., ÖZDEMİR ÖZMEN Ü., SARI M.
ECOLOGY 2017 INTERNATIONAL SYMPOSIUM, 11 - 13 May 2017
- V. **Crystal Structure and Theoretical Calculation of a Promising 'xxGree'xx Solvent**
AKTAN E., ÖZDEMİR M., ŞAHİN E., Özgün B.
Ecology 2017, Kayseri, Turkey, 11 - 13 May 2017
- VI. **Theoretical studies on thiophene carboxamide and its Cu II Zn II complexes**
AKTAN E., BALABAN GÜNDÜZALP A., ÖZDEMİR ÖZMEN Ü.
All in One Conference, 2nd International Conference on New Trends in Chemistry, 19 - 22 April 2016
- VII. **Theoretical investigation on structural and electronic properties of furan carboxamide and its metal complexes**
AKTAN E., BALABAN GÜNDÜZALP A., ÖZDEMİR ÖZMEN Ü.
All in One Conference, 2nd International Conference on New Trends in Chemistry, 19 - 22 April 2016
- VIII. **Theoretical studies on thiophene carboxamide and its Cu II and Zn II complexes**
AKTAN E., BALABAN GÜNDÜZALP A., ÖZDEMİR ÖZMEN Ü.
2nd International Conference on New Trends in Chemistry, Zagreb, Croatia, 19 - 22 April 2016
- IX. **Bütan Sülfonil Hidrazit İle Cu(II) Kompleksinin Sentezi, Antibakteriyel Aktiviteleri Ve Teorik Hesaplamaları**
AKTAN E., ÖZDEMİR ÖZMEN Ü., İlbiz F., BALABAN GÜNDÜZALP A., ÖZBEK N., SAYDAM S.
2. İlaç Kimyası, Üretimi, Teknolojisi ve Standardizasyonu kongresi Antalya, Turkey, 21 - 23 March 2014

Citations

Total Citations (WOS):164

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