

Prof. NURSEL AÇAR SELÇUKİ

Personal Information

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Address: Ege University Faculty of Science Department of Chemistry 35100 Bornova IZMIR-TURKEY

Education Information

Doctorate, Ege University, Fen Bilimleri Enstitüsü, Kimya (YI), Turkey 1994 - 2000

Post Graduate, Ege University, Fen Bilimleri Enstitüsü, Kimya (YI), Turkey 1990 - 1994

Under Graduate, Ondokuz Mayıs University, Faculty Of Education, Department Of Mathematics And Science Teaching, Turkey 1986 - 1990

Foreign Languages

English, B2 Upper Intermediate

German, B1 Intermediate

Certificates, Courses and Trainings

IT, Bilgisayar Destekli İlaç Tasarımı ve Geliştirilmesi, CADD&D Society in Turkey, 2007

Project Management, TÜBİTAK Proje Yürütücüleri için Yönetimi Yönetimi çalışma programı, TÜSSİDE, 2005

Vocational Course, Gas Chromatography, TecEquipment Ltd., 1996

IT, Bilgisayar Programcılığı, Yaşar Computer Programming, 1991

Dissertations

Doctorate, Investigation on complex formation and intermolecular interactions in photochemical reactions of some pyrene derivatives in different solvent systems, Ege Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (YI), 2000

Post Graduate, Benzene derivations- The investigations of H-bond formation on fluorescence changes in different acceptor systems, Ege Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (YI), 1994

Research Areas

Bioinformatics, Chemistry, Emission Spectroscopy, fluorimetry, Infrared Spectroscopy, Spectroscopical Methods, Amino Acids, Photosynthesis, Physical Chemistry, Electrochemistry, Computational Chemistry, Spectroscopy, Thermodynamics, Inorganic Ring Compounds, Chemistry of Heterocyclic Compounds, Chemistry of Hydrocarbons, Photochemistry of Organics, Organic Spectroscopy

Academic titles / tasks

Professor, Ege University, Fen Fakültesi, Kimya Bölümü, 2020 - Continues
Associate Professor, Ege University, Fen Fakültesi, Kimya Bölümü, 2012 - 2020
Associate Professor, Friedrich-Alexander-Universitaet Erlangen-Nürnberg, Naturalsciences, Chemie, 2015 - 2015
Assistant Professor, Ege University, Fen Fakültesi, Kimya Bölümü, 2003 - 2014
Researcher, Friedrich-Alexander-Universitaet Erlangen-Nürnberg, Kimya, Fizikokimya, 2001 - 2003
Research Assistant, Ege University, Fen Fakültesi, Kimya Bölümü, 1993 - 2003
Student, Technische Universitaet Dresden, Kimya, Fizikokimya, 1997 - 1998

Courses

Molecular Photochemistry I, Post Graduate, 2014 - 2015, 2016 - 2017
Introduction to Molecular Photochemistry, Under Graduate, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017
Fizikokimya I, Under Graduate, 2007 - 2008, 2008 - 2009, 2009 - 2010, 2010 - 2011, 2011 - 2012, 2012 - 2013, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017
Üniversite Yaşamına Giriş, Under Graduate, 2015 - 2016, 2016 - 2017, 2017 - 2018
Fizikokimya II, Under Graduate, 2004 - 2005, 2007 - 2008, 2008 - 2009, 2010 - 2011, 2011 - 2012, 2012 - 2013, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018
Fizikokimya III, Under Graduate, 2015 - 2016, 2016 - 2017
Molecular Photochemistry II, Doctorate, 2012 - 2013, 2013 - 2014, 2014 - 2015, 2015 - 2016
Genel Kimya I, Associate Degree, 2016 - 2017
Kimya, Associate Degree, 2016 - 2017
Molecular Spectroscopy, Doctorate, 2012 - 2013, 2014 - 2015
Fizikokimya III, Under Graduate, 2014 - 2015
Moleküler Fotokimyaya Giriş, Under Graduate, 2007 - 2008, 2011 - 2012, 2012 - 2013, 2013 - 2014
Toplum Hizmet Uygulamaları, Under Graduate, 2013 - 2014
Molecular Spectroscopy, Post Graduate, 2013 - 2014
Genel Kimya, Under Graduate, 2013 - 2014, 2014 - 2015
Advanced Physical Chemistry, Post Graduate, 2013 - 2014, 2014 - 2015
Molecular Photochemistry I, Post Graduate, 2012 - 2013
Genel Kimya II, Under Graduate, 2011 - 2012, 2012 - 2013
Advanced Physical Chemistry, Post Graduate, 2012 - 2013
Genel Kimya, Under Graduate, 2011 - 2012
Bilgisayar, Under Graduate, 2006 - 2007, 2011 - 2012
Kuantum Kimyası , Under Graduate, 2003 - 2004, 2004 - 2005, 2007 - 2008, 2008 - 2009
Kimyacılar için Matematik, Under Graduate, 2005 - 2006, 2007 - 2008, 2008 - 2009
Fizikokimya I, Under Graduate, 2003 - 2004, 2005 - 2006, 2007 - 2008
Kimya, Under Graduate, 2004 - 2005

Advising Theses

AÇAR SELÇUKİ N., Investigation of the interactions of the promazine with selected biomolecules using photophysical and computational methods, Post Graduate, T.ŞENER(Student), 2016
AÇAR SELÇUKİ N., Computational investigation of interactions between pyrene, hydroxypyrene and some selected aminoacids, Post Graduate, T.KAYA(Student), 2014
AÇAR SELÇUKİ N., Photophysical and computational investigation of interactions between some polyaromatic hydrocarbons and porphyrins, Post Graduate, Z.GAMZE(Student), 2011
AÇAR SELÇUKİ N., Thermogravimetric investigation of the effect of molar mass distribution of poly(orsinol) on its solid state thermal decomposition, Post Graduate, N.DENİZ(Student), 2011
AÇAR SELÇUKİ N., Investigation of interaction of hydroxypyrene and cyanopyrene with aromatic biomolecules and some

pharmaceuticals present in biological systems by photophysical and computational methods, Post Graduate, A.YAVAŞ(Student), 2010

AÇAR SELÇUKİ N., Investigation of ground and excited state interactions of selected polyaromatic hydrocarbons with aromatic biomolecules and some pharmaceuticals present in biological systems by photophysical and computational methods, Post Graduate, P.GÜLOĞLU(Student), 2010

AÇAR SELÇUKİ N., Spectrofluorometric investigation on pyrene and different amine exciplex systems, Post Graduate, S.KILIÇ(Student), 2005

Designed Lessons

Açar Selçuki N., Introduction to Molecular Photochemistry, Under Graduate, 2009 - 2010

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

- I. **Synthesis, characterization, OFET, and DFT study of the novel ball-type metallophthalocyanines bridged with four diaminopyrimidine-dithiol**
Molla F., Yazici A., Açar Selçuki N., Altındal A., Salih B., Bekaroğlu Ö.
Journal Of Porphyrins And Phthalocyanines, vol.24, pp.662-674, 2020 (Journal Indexed in SCI Expanded)
- II. **Synthesis, characterization, DFT study, conductivity and effects of humidity on CO₂ sensing properties of the novel tetrakis-[2-(dibenzylamino)ethoxyl] substituted metallophthalocyanines**
Başoğlu S., Özer M., Dumludağ F., Açar Selçuki N., Salih B., Bekaroğlu Ö.
Sensors And Actuators B-Chemical, vol.310, pp.1-13, 2020 (Journal Indexed in SCI)
- III. **Spectroscopic, EPR, X-ray structural, and DFT studies of the complex compound of N₄-donor ligand with copper(II)**
Yılmaz İ., Açar Selçuki N., Şengül A., Coles S. J.
JOURNAL OF MOLECULAR STRUCTURE, vol.1214, no.128204, pp.1-7, 2020 (Journal Indexed in SCI Expanded)
- IV. **Combined computational and experimental studies on cysteine-sulfadiazine adduct formation**
Selçuki N., Coskun E., Bicer E.
TURKISH JOURNAL OF CHEMISTRY, vol.44, pp.502-528, 2020 (Journal Indexed in SCI)
- V. **Spectroscopic, electrochemical and electrocolorimetric properties of novel 2-(2'-pyridyl)-1H-benzimidazole appended bay-substituted perylene diimide triads**
Pekdemir F., Orman E. B., Açar Selçuki N., Özkaya A. R., Salih B., Şengül A.
Journal Of Photochemistry And Photobiology A-Chemistry, vol.379, pp.54-62, 2019 (Journal Indexed in SCI)
- VI. **The synthesis, characterization and effect of molar mass distribution on solid-state degradation kinetics of oligo(orcinol)**
Doğan F., Özdek N., Açar Selçuki N., Kaya İ.
Journal Of Thermal Analysis And Calorimetry, 2019 (Journal Indexed in SCI)
- VII. **Synthesis, Conductivity and Impedance Studies on across adjacent ring formed new metallo phthalocyanines**
Şener S., Açar Selçuki N., Dumludağ F., Salih B., Bekaroğlu Ö.
European Journal Of Inorganic Chemistry, vol.6, pp.770-779, 2019 (Journal Indexed in SCI)
- VIII. **Electrochemical, photovoltaic and DFT studies on hybrid materials based on supramolecular self-assembly of a ditopic twisted perylene diimide with square-planar platinum(II)- and/or palladium(II)-2,2':6',2"-terpyridyl complex ions**
Büyükeksi S. I., Orman E. B., Açar Selçuki N., Altındal A., Özkaya A. R., Şengül A.
DYES AND PIGMENTS, vol.161, pp.66-78, 2019 (Journal Indexed in SCI)
- IX. **Interactions of promazine with selected biomolecules: Photophysical and computational investigation**
Raman T. S., Açar Selçuki N.

CHEMICAL PHYSICS, vol.517, pp.161-176, 2019 (Journal Indexed in SCI)

- X. **Synthesis, characterization, and DFT study of novel metallo phtalocyanines with four carboranyl clusters as photosensitisers for the photodynamic therapy of breast cancer cells**
Şener S., Bayraç A. T., Bigenur Ş., Tozlu C., Açar Selçuki N., Salih B., Yüksel M., Bekaroğlu Ö.
European Journal Of Pharmaceutical Sciences, vol.129, pp.124-131, 2019 (Journal Indexed in SCI)
- XI. **Electron/Energy Transfer Studies on Hybrid Materials Based on Dinuclear Coordination Compounds of Twisted Perylene Diimide**
Büyükeksi S. I., Karatay A., Açar Selçuki N., Küçüköz B., Elmalı A., Şengül A.
Journal Of Photochemistry And Photobiology A-Chemistry, vol.372, pp.226-234, 2019 (Journal Indexed in SCI)
- XII. **Pyrene and its selected 1-substituted derivatives revisited: A combined spectroscopic and computational investigation**
Örücü H., Açar Selçuki N.
JOURNAL OF MOLECULAR STRUCTURE, vol.1174, pp.43-51, 2018 (Journal Indexed in SCI)
- XIII. **Syntheses and studies of electron/energy transfer of new dyads based on an unsymmetrical perylene diimide incorporating chelating 1,10-phenanthroline and its corresponding square-planar complexes with dichloroplatinum(II) and dichloropalladium(II)**
Buyukeksi S. I., Karatay A., Acar Selçuki N., Kucukoz B., Elmalı A., Sengul A.
DALTON TRANSACTIONS, vol.47, pp.7422-7430, 2018 (Journal Indexed in SCI)
- XIV. **Computational Studies of Metal Carbonyl Complexes of 3[4-ethyl(phenyl)imino][indoline-2-one] and 3[4-butyl(phenyl)imino][indoline-2-one]**
Açar Selçuki N., Şener S.
Journal Of Molecular Modeling, vol.24, pp.1-12, 2018 (Journal Indexed in SCI)
- XV. **Structural, spectroscopic and passivation properties of a novel binuclear clamshell-type zinc(II) phthalocyanine as gate dielectric for OFET**
Buyukeksi S. I., Altındal A., Acar N., Sengul A.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.22, pp.64-76, 2018 (Journal Indexed in SCI)
- XVI. **Electrochemical, Spectroscopic and Computational Studies on Complexation of Oxacillin with Cu(II) and Co(II) ions. Synthesis and Ligand Hydrolysis**
Coskun E., Duman E., Acar N., Bicer E.
INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE, vol.12, pp.9364-9377, 2017 (Journal Indexed in SCI)
- XVII. **DFT and TDDFT investigation of the Schiff base formed by tacrine and saccharin**
Acar N., SELÇUKİ C., Coskun E.
JOURNAL OF MOLECULAR MODELING, vol.23, 2017 (Journal Indexed in SCI)
- XVIII. **Photophysical and computational investigation of the intermolecular interactions of pyrene with phenothiazine and promazine**
Güloğlu P., Açar Selçuki N.
CHEMICAL PHYSICS, vol.478, pp.150-158, 2016 (Journal Indexed in SCI)
- XIX. **A DFT and TDDFT investigation of interactions between pyrene and amino acids with cyclic side chains**
Açar Selçuki N., Kinal A., Yener N., Yavaş A., Güloğlu P.
COMPUTATIONAL AND THEORETICAL CHEMISTRY, vol.1081, pp.49-61, 2016 (Journal Indexed in SCI)
- XX. **A DFT and TDDFT investigation of interactions between 1-hydroxypyrene and aromatic amino acids**
KAYA T., SELÇUKİ C., Acar N.
COMPUTATIONAL AND THEORETICAL CHEMISTRY, vol.1073, pp.9-19, 2015 (Journal Indexed in SCI)
- XXI. **Effects of substituent groups and solvent media on Pyrene in ground and excited states: A DFT and TDDFT study**
Örücü H., Acar Selçuki N.
COMPUTATIONAL AND THEORETICAL CHEMISTRY, vol.1056, pp.11-18, 2015 (Journal Indexed in SCI)
- XXII. **Solvatochromism of pyranine-derived photoacids**
Spies C., Finkler B., Acar N., Jung G.
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, vol.15, pp.19893-19905, 2013 (Journal Indexed in SCI)

- XXIII. **Investigation of the Ground State Complex Formation Between Pyrene Cyanopyrene and Amines by Semiempirical AM1 Method**
AÇAR SELÇUKİ N.
Asian Journal Of Chemistry, vol.23, pp.597-601, 2011 (Journal Indexed in SCI Expanded)
- XXIV. **A DFT and TD-DF1 study on intermolecular charge transfer complexes of pyrene with phenothiazine and promazine**
KINAL A., Acar N.
JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM, vol.949, pp.36-40, 2010 (Journal Indexed in SCI)
- XXV. **Reactions of the solvent-stabilized compound [MoOCl₂(THF)₂] with aromatic nitrogen donor ligands: spectroscopic characterization and semiempirical AM1*calculations**
Kilickaya G., Dogan B., Acar N., Sozuer I. T.
TURKISH JOURNAL OF CHEMISTRY, vol.33, pp.693-708, 2009 (Journal Indexed in SCI)
- XXVI. **Phenothiazine-pyrene dyads: Photoinduced charge separation and structural relaxation in the CT state**
Acar N., Kurzawa J., Fritz N., Stockmann A., Roman C., Schneider S., Clark T.
JOURNAL OF PHYSICAL CHEMISTRY A, vol.107, pp.9530-9541, 2003 (Journal Indexed in SCI)
- XXVII. **Towards modelling light processes of blue-light photoreceptors. Pyrene-isoalloxazine (flavin)-phenothiazine triad: electrochemical, photophysical, investigations and quantum chemical calculations**
Shen Z., Prochazka R., Daub J., Fritz N., Açar Selçuki N., Schneider S.
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, vol.5, pp.3257-3269, 2003 (Journal Indexed in SCI)
- XXVIII. **Conformational control of photoinduced charge separation within phenothiazine-pyrene dyads**
Stockmann A., Kurzawa J., Fritz N., Acar Selçuki N., Schneider S., Daub J., Engl R., Clark T.
JOURNAL OF PHYSICAL CHEMISTRY A, vol.106, pp.7958-7970, 2002 (Journal Indexed in SCI)
- XXIX. **Thermodynamic and kinetic parameters concerning complex formation between 3 hydroxy and 1 aminopyrene and pyridine**
AÇAR SELÇUKİ N., KOÇAK Ö.
TURKISH JOURNAL OF CHEMISTRY, vol.26, pp.201-210, 2002 (Journal Indexed in SCI Expanded)
- XXX. **Investigation of H bond on fluorescence changes in benzene derivations and different acceptor systems**
AÇAR SELÇUKİ N., KOÇAK Ö.
TURKISH JOURNAL OF CHEMISTRY, vol.21, pp.173-181, 1997 (Journal Indexed in SCI Expanded)

Articles Published in Other Journals

- I. **Mefenamik Asitin Elektrokimyasal Davranışının İncelenmesi**
Coşkun E., Kırkinci Yılmaz S., Açar Selçuki N.
Erciyes Üniversitesi Fen Bilimleri Enstitüsü Fen Bilimleri Dergisi, vol.35, pp.62-72, 2019 (National Refreed University Journal)
- II. **The amidine formed by tacrine and saccharin revisited: An ab initio Investigation of Structural, Electronic and Spectroscopic Properties**
AÇAR SELÇUKİ N.
Turkish Computational and Theoretical Chemistry, vol.3, pp.25-37, 2019 (Other Refereed National Journals)
- III. **Computational investigation of the ground state complex formation between pyrene cyanopyrene and alkyldiamines Me₂N CH₂ NMe₂ n 2 4**
Açar Selçuki N.
Ege University Journal of the Faculty of Science, vol.33, pp.57-66, 2009 (National Refreed University Journal)

Books & Book Chapters

- I. **Protein Yapı Analizleri**
Açar Selçuki N., Gündeğer E., Selçuki C.
in: Biyoinformatik Temelleri ve Uygulamaları, Mehmet Cengiz Baloğlu, Editor, Pegem A Yayıncılık, Ankara, pp.85-128, 2018
- II. **Fizikokimya Gazlar ve Termodinamik Problem Çözümleri Cilt I**
Güler Ç., Açar Selçuki N., Yalçinkaya E. E.
Ege Üniversitesi, İzmir, 2017
- III. **Fizikokimya Gazlar ve Termodinamik Cilt I**
Koçak Ö., Çetin G., Açar Selçuki N.
Ege Üniversitesi, İzmir, 2016
- IV. **Fizikokimya (Karışımlar, Çözeltiler ve Faz Dengeleri) Problem Çözümleri II**
Güler Ç., Açar Selçuki N.
Ege Üniversitesi Fen Fakültesi Yayınları No: 209, İzmir, 2014
- V. **Fizikokimya (Karışımlar, Çözeltiler ve Faz Dengeleri) Cilt II**
Güler Ç., Açar Selçuki N.
Ege Üniversitesi, İzmir, 2009

Refereed Congress / Symposium Publications in Proceedings

- I. **Computational Investigation of Interactions Between Hydroxyproline and Chromium Complexes**
AÇAR SELÇUKİ N., KALENDER D.
XII. Chemical Physics Congress, Turkey, 12 - 13 October 2018
- II. **Computational Investigated of Intermolecular Interactions between Melatonin and Promazine**
AÇAR SELÇUKİ N., ŞENER RAMAN T.
XII. Chemical Physics Congress, Turkey, 12 - 13 October 2018
- III. **Computational Investigation of Intermolecular Interactions Between Selected Drugs and Saccharin**
AÇAR SELÇUKİ N., COŞKUN E., SELÇUKİ C.
1. Uluslararası Balkan Kimya Kongresi, 17 - 19 September 2018
- IV. **Computational Investigation of Intermolecular Interactions Between Sulfathiazole and Saccharin**
AÇAR SELÇUKİ N., COŞKUN E.
POLİMER2018, Turkey, 9 - 12 September 2018
- V. **Spectroscopic and photochemical properties of twisted perylene diimides appended with chelating n-heterocycles**
ŞENGÜL A., BÜYÜKEKŞİ S. I., AÇAR SELÇUKİ N., ALTINDAL A., ÖZKAYA A. R.
ICNTC, St. Petersburg, 11 - 13 May 2018
- VI. **Intermolecular Interactions Between Sulfadiazine and Saccharin**
AÇAR SELÇUKİ N., COŞKUN E.
ICNTC, St. Petersburg, 11 - 13 May 2018
- VII. **Intermolecular Interactions Between Serotonin and Promazine Using Computational Methods**
ŞENER RAMAN T., AÇAR SELÇUKİ N.
ICNTC, St. Petersburg, 11 - 13 May 2018
- VIII. **Electrochemical Investigation of Interaction Between Nimesulide And Cd(II) Ions in the Absence and Presence of Hydrogen Peroxide**
COŞKUN E., AÇAR SELÇUKİ N.
ICNTC, St. Petersburg, 11 - 13 May 2018
- IX. **Intermolecular interactions between protoporphyrine and hydroxypyrene**
ALP Z. G. , SELÇUKİ C., AÇAR SELÇUKİ N.
International symposium on chemistry via computation, İstanbul, Turkey, 30 October 2017

- X. **Intermolecular interactions between mefenamic acid and saccharin**
AÇAR SELÇUKİ N., COŞKUN E.
International symposium on chemistry via computation, 30 October 2017
- XI. **Modelling of Chromium and Amino acid Complexes by Density Functional Theory**
AÇAR SELÇUKİ N., KALENDER D.
IV International Leather Engineering Congress, 19 - 20 October 2017
- XII. **Protoporfirin ve Seçilmiş Poliaromatik Hidrokarbonlar Arasında Yük Transfer Kompleks Oluşumunun İncelenmesi, Uluslararası Biyokimya Kongresi**
AÇAR SELÇUKİ N.
Uluslararası Biyokimya Kongresi (28. Ulusal Biyokimya Kongresi), 19 - 23 September 2017
- XIII. **Computational Investigation of Metal Complexes of ISE (3[4-ethyl(phenyl)-imino][1H-indole-2-one])**
ŞENER S., AÇAR SELÇUKİ N.
The 3rd International Turkish Congress on Molecular Spectroscopy, 26 - 29 August 2017
- XIV. **Spectroscopic and Computational Investigation of Selected Porphyrins**
SELÇUKİ C., APAK H., AÇAR SELÇUKİ N.
TURCMOS, 26 - 29 August 2017
- XV. **Takrinin Sakkarin ile Etkileşiminin Voltametrik İncelenmesi**
Coşkun E., AÇAR SELÇUKİ N.
6. Fiziksel Kimya Kongresi, Zonguldak, Turkey, 15 May 2017, pp.158
- XVI. **ISE(3[4-etil(fenil)-imino][1H-indol-2-on]) Molekülünün Metal Komplekslerinin Hesapsal Olarak İncelenmesi**
ŞENER S., AÇAR SELÇUKİ N.
6. Fiziksel Kimya Kongresi, Zonguldak, Turkey, 15 - 18 May 2017
- XVII. **An Ab initio Investigation of the Amidine formed by Tacrine and Saccharin**
AÇAR SELÇUKİ N., SELÇUKİ C., COŞKUN E.
BIOMED2017, 12 - 14 May 2017
- XVIII. **Investigation of interactions between saccharine and tacrine by computational methods**
AÇAR SELÇUKİ N., SELÇUKİ C., Coşkun E.
4th International BAU Drug Design Congress, İstanbul, Turkey, 13 October 2016, pp.114
- XIX. **Investigation of Interactions between Saacharine and Tacrine by Computational Methods**
AÇAR SELÇUKİ N., SELÇUKİ C., COŞKUN E.
4. INTERNATIONAL BAU DRUG DESIGN CONGRESS, İstanbul, Turkey, 13 - 15 October 2016
- XX. **DFT and TDDFT Study Some Pyrene Derivatives in Excited State**
ÖRÜCÜ H., AÇAR SELÇUKİ N.
30th Molecular Modelling Workshop, Erlangen, Germany, 04 April 2016, pp.74
- XXI. **DFT and TDDFT Investigation of Electronic Properties of Aromatic Amino Acids**
AÇAR SELÇUKİ N., Köklü R., SELÇUKİ C.
2 nd International Conference on Organic Electronic Material Technologies (OEMT2016), Çanakkale, Turkey, 17 May 2016, pp.81
- XXII. **DFT and TDDFT Investigation of Electronic Properties of Selected Porphyrins**
AÇAR SELÇUKİ N., Apak H.
2 nd International Conference on Organic Electronic Material Technologies (OEMT2016), Çanakkale, Turkey, 17 May 2016, pp.82
- XXIII. **Computational investigation of the exciplexes formed between pyrene and selected monoamines**
AÇAR SELÇUKİ N.
MOLECULAR MODELLING WORKSHOP 201 6, Erlangen, Germany, 4 - 06 April 2016, pp.15
- XXIV. **Computational investigation of the exciplexes formed between pyrene and selected monoamines**
AÇAR SELÇUKİ N.
30th Molecular Modelling Workshop, Erlangen, Germany, 04 April 2016, pp.73
- XXV. **Solvent effect on computational investigation of Polyaromatic Hydrocarbon-Porphyrin Complexes**

- Alp Z. G. , AÇAR SELÇUKİ N.
MOLCHEM2014, İstanbul, Turkey, 18 December 2014, pp.56
- XXVI. **Electronic Nature of Pyrene-Aromatic Amino Acid Complexes**
AÇAR SELÇUKİ N., KINAL A.
MOLCHEM2014, İstanbul, Turkey, 18 December 2014, pp.48
- XXVII. **Effect of solvent polarities on electronic properties of pyrene derivatives**
ÖRÜCÜ H., AÇAR SELÇUKİ N.
International Symposium on Molecular Chemistry, İstanbul, Turkey, 18 November 2014, pp.142
- XXVIII. **DFT Investigation of Interactions Between Pyrene and Aromatic Amino Acids**
Kaya T., AÇAR SELÇUKİ N.
Chemical Physics Congress - XI, İstanbul, Turkey, 17 October 2014, pp.59
- XXIX. **Photoinduced Electron Transfer Between Pyrene/Hydroxyppyrene and Aromatic Amino Acids**
AÇAR SELÇUKİ N.
Chemical Physics Congress - XI, İstanbul, Turkey, 17 October 2014, pp.15
- XXX. **A DFT and TDDFT investigation of complexes between porphyrin and some polyaromatic hydrocarbons**
Alp Z. G. , AÇAR SELÇUKİ N.
NANOTR-10, İstanbul, Turkey, 17 June 2014, pp.326
- XXXI. **Computational Investigation of Interactions Between Some Polyaromatic Hydrocarbons and Porphyrin**
Alp Z. G. , AÇAR SELÇUKİ N.
TURCMOS 2013, İstanbul, Turkey, 15 September 2013, pp.143
- XXXII. **Promazinin Bazı Biyolojik Moleküllerle Etkileşimlerinin Hesapsal Yöntemlerle İncelenmesi**
Şener T., AÇAR SELÇUKİ N.
XXV. Ulusal Biyokimya Kongresi, İzmir, Turkey, 03 September 2013, vol.38, no.1, pp.165
- XXXIII. **Promazinin Dopamin ve Serotonin Molekülleriyle Etkileşiminin Hesapsal Yöntemlerle İncelenmesi**
AÇAR SELÇUKİ N.
1. İlaç Kongresi, Antalya, Turkey, 29 March 2013, pp.146
- XXXIV. **Poliaromatik Hidrokarbonlarda Substitüe Grupların Yapıya ve Lüminesans Özelliklere Etkisinin Hesapsal Yöntemlerle İncelenmesi**
AÇAR SELÇUKİ N., ÖRÜCÜ H.
10. Kimyasal Fizik Kongresi (CPC-X), Ankara, Turkey, 10 October 2012, pp.43
- XXXV. **Bazı Poliaromatik Hidrokarbonlarla Porfirin Arasındaki Etkileşimlerin DFT Yöntemiyle İncelenmesi**
AÇAR SELÇUKİ N., Alp Z. G. , KINAL A.
Chemical Physics Congress -IX, Ankara, Turkey, 10 October 2012, pp.44
- XXXVI. **A DFT Study of Cu Ion-MXCXXC Peptide Interactions**
Terzioğlu E., Çapar Z., Köprülüoğlu c., Eyrilmez S., AÇAR SELÇUKİ N., SELÇUKİ C.
Chemical Physics Congress - X, Ankara, Turkey, 10 October 2012, pp.109
- XXXVII. **Bazı Poliaromatik Hidrokarbonlar ve Porfirinler Arasındaki Etkileşimlerin Fotofiziksel Yöntemlerle İncelenmesi**
Alp Z. G. , AÇAR SELÇUKİ N.
26. Ulusal Kimya Kongresi, Muğla, Turkey, 01 October 2012, pp.839
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Supported Projects

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AÇAR SELÇUKİ N., ŞENER RAMAN T., Project Supported by Higher Education Institutions, Seçilen Bitkisel Aktif Moleküllerin Nükleobazlar ve Bazı Nükleotid Dizilimleriyle Etkileşimlerinin Biyoinformatik ve Moleküler Modelleme Yöntemleriyle İncelenmesi, 2019 - Continues

Açar Selçuki N., Project Supported by Higher Education Institutions, Bazı porfrin türevlerinin fotofiziksel ve hesapsal yöntemlerle incelenmesi, 2016 - 2017

Açar Selçuki N., Project Supported by Higher Education Institutions, Promazin Molekülünün Seçilmiş Biyomoleküllerle Etkileşimlerinin Fotofiziksel ve Hesapsal Yöntemlerle İncelenmesi, 2013 - 2015

AÇAR SELÇUKİ N., Project Supported by Higher Education Institutions, PREN VE HİDROKSİPRENİN SEÇİLMİŞ AMİNOASİTLERLE ETKİLEŞİMİN HESAPSAL YÖNTEMLERLE İNCELENMESİ, 2012 - 2014

Açar Selçuki N., Project Supported by Higher Education Institutions, Pren ve hidroksiprenin seçilmiş aminoasitlerle etkileşiminin hesapsal yöntemlerle incelenmesi, 2012 - 2013

Açar Selçuki N., Örücü H., Project Supported by Higher Education Institutions, Bazı çok halkalı aromatik hidrokarbonlarda substitüentlerin yapıya ve kimyasal özelliklere etkisinin hesapsal yöntemlerle incelenmesi, 2012 - 2013

Selçuki C., Açar Selçuki N., EU Supported Other Project, COST Aksiyonu CM0902 Molecular Machineries for Ion Translocation Across Biomembranes, 2010 - 2013

Selçuki C., Açar Selçuki N., TÜBİTAK - AB COST Project, Biyolojik Sistemlerdeki Bakır İyonu Peptid Etkileşim Mekanizmalarının Model Organizma Saccharomyces Cerevisiae deki Atx1 Proteininde Yer Alan MXCXXC Motifi Kullanılarak Moleküler Modelleme Yoluyla İncelenmesi, 2010 - 2012

AÇAR SELÇUKİ N., TUBITAK Project, Biyolojik Sistemlerdeki Bakır İyonu-Peptid Etkileşim Mekanizmalarının Model Organizma Saccharomyces Cerevisiae' deki Atx1 Proteininde Yer Alan MXCXXC Motifi Kullanılarak Moleküler Modelleme Yoluyla İncelenmesi, 2010 - 2012

AÇAR SELÇUKİ N., Project Supported by Higher Education Institutions, HİDROKSİPREN VE SİYANOPRENİN BİYOLOJİK SİSTEMLERDE VAROLAN AROMATİK BİYOMOLEKÜLLERLE VE BAZI İLAÇ MOLEKÜLLERİYLE TEMEL VE UYARILMIŞ HALDEKİ ETKİLEŞİMLERİNİN FOTOFİZİKSEL VE HESAPSAL YÖNTEMLERLE İNCELENMESİ, 2009 - 2011

AÇAR SELÇUKİ N., Project Supported by Higher Education Institutions, POLİ(ORSİNOL)ÜN MOL KÜTLESİ DAĞILIMININ KATI HAL BOZUNMA KİNETİĞİNE ETKİSİ, 2009 - 2011

Açar Selçuki N., Project Supported by Higher Education Institutions, Thermogravimetric investigation of the effect of molar mass distribution of poly orcinol on its solid state thermal decomposition, 2009 - 2010

Açar Selçuki N., Project Supported by Higher Education Institutions, Hidroksipren ve 1 siyanoprenin Biyolojik Sistemlerde Varolan Aromatik Biyomoleküllerle ve Bazı İlaç Molekülleriyle Temel ve Uyarılmış Haldeki Etkileşimlerinin Fotofiziksel ve Hesapsal Yöntemlerle İncelenmesi, 2009 - 2010

Açar Selçuki N., Project Supported by Higher Education Institutions, Seçilmiş Poliaromatik Hidrokarbonların Biyolojik Sistemlerde Varolan Aromatik Biyomoleküllerle ve Bazı İlaç Molekülleriyle Temel ve Uyarılmış Haldeki Etkileşimlerinin Fotofiziksel ve Hesapsal Yöntemlerle İncelenmesi, 2009 - 2010

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AÇAR SELÇUKİ N., Project Supported by Higher Education Institutions, SİYONOPREN-AMİN SİSTEMLERİNİN OLUŞTURDUĞU EXCİPLEXLERİN FOTOFİZİKSEL VE KUANTUM KİMYASAL YÖNTEMLERLE İNCELENMESİ, 2006 - 2009

Açar Selçuki N., TUBITAK Project, 1-siyanopren-amin sistemlerinin oluşturduğu exciplex'lerin fotofiziksel ve kuantum kimyasal yöntemlerle incelenmesi, 2005 - 2007

AÇAR SELÇUKİ N., Project Supported by Higher Education Institutions, PREN VE ÇEŞİTLİ AMİN EXCİPLEX SİSTEMLERİNİN SPEKTROFOTOMETRİK YÖNTEMLE İNCELENMESİ, 2005 - 2006

Açar Selçuki N., Project Supported by Higher Education Institutions, Spectrofluorometrik investigation on pyrene and different amine exciplex systems, 2005 - 2005

Other Supported Projects, Elektron transfer sistemlerine yapı ve geometrilerinin etkisi, 2002 - 2003

Other Supported Projects, Doğal ve yapay sistemlerde sensorik fotoreseptörler, Graduate College Alman Araştırma Derneği, 2001 - 2002

AÇAR SELÇUKİ N., Project Supported by Higher Education Institutions, BAZI PYRENE TÜREVLERİNİN DEĞİŞİK ÇÖZÜCÜLERDEKİ FOTOKİM-YASI TEPKİMLERİNDE KOPLEX OLUŞUMUNUN ME MOLEKÜLLER ARASI ETKİLERİNİN İNCELENMESİ, 1995 - 2000

AÇAR SELÇUKİ N., Project Supported by Higher Education Institutions, BENZEN TÜREVLERİ BAZI PROTON AKSEPTÖR SİSTEMLERİNDE H-BAĞ OLUŞUMU İLE FLUORESANS DEĞİŞİMİNİN İNCELENMESİ, 1993 - 1995

Activities in Scientific Journals

Turkish Computational and Theoretical Chemistry, Committee Member, 2017 - Continues

Memberships / Tasks in Scientific Organizations

Kimya Bölümü Bilimsel Toplantı ve Seminer Düzenleme Komisyonu Üyesi, Member, 2010 - Continues
Fen Fakültesi Kimya Bölümü Yerleşim Komisyonu Üyesi, Member, 2009 - Continues
Fen Fakültesi Dış İlişkiler ve Fakülte Toplum İlişkileri Komisyonu 2009, Member, 2009 - Continues
Eğitim Öğretim Geliştirme Komisyonu, Member, 2017 - 2019
Yayın Alt Komisyonu, Member, 2017 - 2019
Fen Fakültesi Kimya Bölümü FEDEK Eğitim Öğretim Program Geliştirme Kurulu, Member, 2014 - 2019
Kimya Bölümü Eğitim Öğretim Komisyonu, Member, 2013 - 2019
Member, 2016 - 2016

Scientific Refereeing

American Journal of Physical Chemistry, Other Indexed Journal, September 2019
Journal of Computational Chemistry and Molecular Modelling, Other Indexed Journal, August 2019
NEW JOURNAL OF CHEMISTRY, SCI Journal, June 2019
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Erzincan Üniversitesi Fen Bilimleri Enstitüsü Dergisi, National Scientific Refreed Journal, April 2019
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TURKISH JOURNAL OF CHEMISTRY, SCI Journal, January 2019
Turkish Journal of Chemistry, SCI Journal, September 2018
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Journal of Turkish Chemical Society, Section A: Chemistry, National Scientific Refreed Journal, July 2018
Turkish Computational and Theoretical Chemistry, National Scientific Refreed Journal, June 2018
ACS OMEGA, SCI Journal, May 2018
Project Supported by Higher Education Institutions, BAP Research Project, Ataturk University, Turkey, March 2018
Current Topics in Medicinal Chemistry, SCI Journal, July 2017
INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY, SCI Journal, June 2017
International Journal of Modern Physics, B, SCI Journal, May 2017
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, National Scientific Refreed Journal, April 2017
Current Bioactive Compounds, Other Indexed Journal, March 2017
Photochemical and Photobiological Sciences, SCI Journal, March 2017
Mini-Review in Medicinal Chemistry, SCI Journal, February 2017
Journal of the Turkish Chemical Society, Section A: Chemistry, National Scientific Refreed Journal, June 2016
Polycyclic Aromatic Compounds, SCI Journal, May 2016
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, SCI Journal, April 2016
Journal of Materials Chemistry C, SCI Journal, April 2015
Turkish Journal of Chemistry, SCI Journal, April 2014

Scientific Consultations

TÜBİTAK, Proje Önerilerini Değerlendirme Paneli, Scientific Consultancy, Ege University, Fen Fakültesi, Kimya Bölümü, Turkey, 2018 - 2018
Tez Savunma Jüri üyesi-Boğaziçi Üniversitesi, Other, Ege University, Fen Fakültesi, Kimya Bölümü, Turkey, 2016 - 2016
TÜBİTAK, 3001, Scientific Consultancy, Ege University, Fen Fakültesi, Kimya Bölümü, Turkey, 2014 - 2014
TÜBİTAK Yurtdışı Ortak doktora, Scientific Consultancy, Ege University, Fen Fakültesi, Kimya Bölümü, Turkey, 2014 - 2014

Tasks In Event Organizations

Açar Selçuki N., 19. Ulusal Kimya Kongresi, Scientific Congress, Aydın, Turkey, Ekim 2005

Invited Congress and Symposium Activities

Computational Investigated of Intermolecular Interactions between Melatonin and Promazine, Attendee, Karabük, Turkey, 2018

Computational Investigation of Interactions Between Hydroxyproline and Chromium Complexes, Attendee, Turkey, 2018

Computational Investigation of Intermolecular Interactions Between Selected Drugs and Saccharin, Attendee, Edirne, Turkey, 2018

Poilmer 2018, Session Moderator, Eskişehir, Turkey, 2018

Intermolecular interactions between mefenamic acid and saccharin, International symposium on chemistry via computation, Attendee, Turkey, 2017

Intermolecular interactions between protoporphyrine and hydroxypyrene, International symposium on chemistry via computation, Attendee, Turkey, 2017

Modelling of Chromium and Amino acid Complexes by Density Functional Theory, IV International Leather Engineering Congress, Attendee, Turkey, 2017

Protoporfirin ve Seçilmiş Poliaromatik Hidrokarbonlar Arasında Yük Transfer Kompleks Oluşumunun İncelenmesi, Uluslararası Biyokimya Kongresi, Attendee, Erzurum, Turkey, 2017

Spectroscopic and Computational Investigation of Selected Porphyrins, TURCMOS, Attendee, Turkey, 2017

Spectroscopic and Computational Investigation of Some Pyrene Derivatives in Different Solvents, Attendee, --Seçiniz--, Turkey, 2017

Computational Investigation of Metal Complexes of ISE (3[4-ethyl(phenyl)-imino][1H-indole-2-one]), Attendee, Turkey, 2017

ISE (3[4-etil(fenil)-imino][1H-indol-2-on]) Molekülünün Metal Komplekslerinin Hesapsal Olarak İncelenmesi, 6. Fiziksel Kimya Kongresi, Attendee, Turkey, 2017

Investigation of interactions between mefenamic acid and acesulfame by computational methods, BIOMED2017, Attendee, Ankara, Turkey, 2017

Takrinin Sakkarin ile Etkileşiminin Voltametrik İncelenmesi, 6. Fiziksel Kimya Kongresi, Attendee, Zonguldak, Turkey, 2017

Investigation of interactions between mefenamic acid and saccharin by computational methods, BIOMED2017, Attendee, Turkey, 2017

An Ab initio Investigation of the Amidine formed by Tacrine and Saccharin, Attendee, Turkey, 2017

DFT and TDDFT investigation of indole and its selected derivatives, Attendee, Turkey, 2016

Investigation of interactions between saccharine and tacrine by computational methods, Attendee, İstanbul, Turkey, 2016

DFT and TDDFT Investigation of Electronic Properties of Aromatic Amino Acids, Attendee, Turkey, 2016

DFT and TDDFT Investigation of Electronic Properties of Selected Porphyrins", 2 nd International Conference on Organic Electronic Material Technologies, Attendee, --Seçiniz--, Turkey, 2016

Computational investigation of the exciplexes formed between pyrene and selected monoamines, Attendee, Erlangen, Germany, 2016

DFT and TDDFT study some pyrene derivatives in excited state, Attendee, Erlangen, Germany, 2016

Effect of solvent polarities on electronic properties of some pyrene derivatives, Attendee, Turkey, 2014

Electronic Nature of Pyrene-Aromatic Amino Acid Complexes, Attendee, Turkey, 2014

Solvent effect on computational investigation of Polyaromatic Hydrocarbon-Porphyrin Complexes, Attendee, Turkey, 2014

Photoinduced Electron Transfer Between Pyrene/Hydroxypyrene and Aromatic Amino Acids", Chemical Physics Congress - XI, Attendee, İstanbul, Turkey, 2014

DFT Investigation of Interactions Between Pyrene and Aromatic Amino Acids", Chemical Physics Congress - XI, Attendee,

Turkey, 2014

A DFT and TDDFT investigation of complexes between porphyrin and some polyaromatic hydrocarbons, Attendee, Turkey, 2013

Computational Investigation of Interactions Between Some Polyaromatic Hydrocarbons and Porphyrin, Attendee, İstanbul, Turkey, 2013

Promazinin Bazı Biyolojik Moleküllerle Etkileşimlerinin Hesapsal Yöntemlerle İncelenmesi ", XXV. Ulusal Biyokimya Kongresi, Attendee, Turkey, 2013

Promazinin Dopamin ve Serotonin Molekülleriyle Etkileşiminin Hesapsal Yöntemlerle İncelenmesi ", 1. İlaç Kongresi, Attendee, Antalya, Turkey, 2013

A DFT Study of Cu Ion-MXCXXC Peptide Interactions", Chemical Physics Congress - X, Attendee, Turkey, 2012

Bazı Poliaromatik Hidrokarbonlarla Porfirin Arasındaki Etkileşimlerin DFT Yöntemiyle İncelenmesi, Chemical Physics Congress - X, Attendee, Turkey, 2012

Bazı Poliaromatik Hidrokarbonlarda Substitüe Grupların Yapıya ve Lüminesans Özelliklere Etkisinin Hesapsal Yöntemlerle İncelenmesi, Attendee, Turkey, 2012

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