

Prof. Kubilay BALCI

Personal Information

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Education Information

Doctorate, İstanbul Üniversitesi, Institute of Graduate Studies In Sciences, Fizik, Turkey 1998 - 2003

Post Graduate, İstanbul Üniversitesi, Institute of Graduate Studies In Sciences, Fizik, Turkey 1994 - 1997

Under Graduate, Gazi Üniversitesi, Eğitim Fakültesi, Fizik Eğitimi, Turkey 1989 - 1993

Foreign Languages

German, B1 Intermediate

English, C1 Advanced

Certificates, Courses and Trainings

Education Management and Planning, Linux'a Giriş Eğitimi Kursu, İstanbul Üniversitesi Fen Fakültesi ve Enformatik Bölümü, 2007

Education Management and Planning, Akademik Personel Yönelik Pedagojik Formasyon Sertifikası, İstanbul Üniversitesi Hasan Ali Yücel Eğitim Fakültesi Dekanlığı, 2004

Education Management and Planning, Visual Basic Eğitim Kursu, Marmara Üniversitesi Mühendislik Fakültesi-Bilgisayar Mühendisliği Bölümü, 1999

Other, CMAS - 1 Yıldız Balık Adam Sertifikası, Türkiye Sualtı Sporları Federasyonu (TSSF), 1999

Dissertations

Doctorate, Primidin ve Aminoprimidin Moleküllerinin Serbest Halde ve Kompleks Yapıdaki Titreşim Frekanslarının Hesaplanması, İstanbul University, Institute of Graduate Studies In Sciences, Fizik, 2003

Post Graduate, 2- ve 3-Methyl Pridin Moleküllerinin Normal Koordinat Analizi ve Titreşim Spektrumlarının Simülasyonu, İstanbul University, Institute of Graduate Studies In Sciences, Fizik, 1997

Research Areas

Physics, Atomic and Molecular Physics, Theory of Atoms and Molecules, Atomic and Molecular Interactions, Chemistry, Analytical Chemistry, Spectroscopical Methods, Physical Chemistry, Computational Chemistry, Spectroscopy, Natural Sciences

Academic Titles / Tasks

Professor, İstanbul University, Faculty of Science, Department of Physics, 2018 - Continues

Associate Professor, İstanbul University, Faculty of Science, Department of Physics, 2012 - 2018

Assistant Professor, İstanbul University, Faculty of Science, Department of Physics, 2006 - 2012
Research Assistant, İstanbul Üniversitesi, Faculty of Science, Department of Physics, 1997 - 2006

Professional Experience

FEDEK Ölçüt-1 Komisyon Başkanlığı, İstanbul University, Faculty Of Science, Department Of Physics, 2016 - 2017
Fen Fakültesi Bilgisayar Laboratuvarı Sorumlusu, İstanbul University, Faculty Of Science, Department Of Physics, 2013 - 2016
Mezuniyet İnceleme Komisyonu, İstanbul University, Faculty Of Science, Department Of Physics, 2010 - 2012
Rectorate Commissioner, İstanbul Üniversitesi, Bilimsel Araştırma Projeleri (Bap) Birimi - Doğrudan Temin Komisyonu , 2007 - 2007
Rectorate Commissioner, İstanbul Üniversitesi, Bilimsel Araştırma Projeleri (Bap) Birimi - Yaklaşık Maliyet Komisyonu, 2005 - 2007

Courses

VERİTABANI UYGULAMALARI, Under Graduate, 2018 - 2019, 2019 - 2020
MOLEKÜLER YAPILARIN MODELLENMESİ II, Doctorate, 2019 - 2020
VERİTABANI UYGULAMALARI, Under Graduate, 2018 - 2019, 2019 - 2020
COMPUTER II, Under Graduate, 2019 - 2020
VERİTABANI UYGULAMALARI, Under Graduate, 2018 - 2019, 2019 - 2020
BİLGİSAYAR I, Under Graduate, 2019 - 2020
İLERİ FİZİK UYGULAMALARI, Under Graduate, 2018 - 2019
MOLEKÜLER YAPILARIN MODELLENMESİ I, Post Graduate, 2019 - 2020
COMPUTER III, Under Graduate, 2019 - 2020
MOLEKÜLER YAPILARIN MODELLENMESİ II, Doctorate, 2018 - 2019
BİLGİSAYAR III, Under Graduate, 2007 - 2008, 2008 - 2009, 2009 - 2010, 2010 - 2011, 2011 - 2012, 2012 - 2013, 2017 - 2018, 2018 - 2019
MOLEKÜLER YAPILARIN MODELLENMESİ II, Doctorate, 2017 - 2018
BİLGİSAYAR I, Under Graduate, 2018 - 2019
BİLGİSAYAR I, Under Graduate, 2017 - 2018, 2018 - 2019
BİLGİSAYAR III, Under Graduate, 2007 - 2008, 2018 - 2019
VERİTABANI UYGULAMALARI, Under Graduate, 2017 - 2018
MOLEKÜLER YAPILARIN MODELLENMESİ II, Doctorate, 2016 - 2017
FİZİK I, Under Graduate, 2017 - 2018
BİLGİSAYAR IV, Under Graduate, 2012 - 2013, 2014 - 2015, 2015 - 2016, 2016 - 2017
İLERİ FİZİK UYGULAMALARI, Under Graduate, 2016 - 2017
VERİTABANI UYGULAMALARI (2. ÖĞRETİM), Under Graduate, 2014 - 2015, 2015 - 2016, 2016 - 2017
MOLEKÜLER YAPILARIN MODELLENMESİ I, Post Graduate, 2010 - 2011, 2011 - 2012, 2012 - 2013, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017
BİLGİSAYAR III, Under Graduate, 2013 - 2014, 2014 - 2015, 2015 - 2016, 2016 - 2017
İLERİ FİZİK UYGULAMALARI, Under Graduate, 2006 - 2007, 2007 - 2008, 2008 - 2009, 2009 - 2010, 2010 - 2011, 2011 - 2012, 2012 - 2013, 2013 - 2014, 2015 - 2016
Moleküler Yapıların Modellenmesi II, Doctorate, 2013 - 2014, 2014 - 2015
FİZİK II (2.öğretim), Under Graduate, 2014 - 2015
BİLGİSAYAR IV, Under Graduate, 2013 - 2014
FİZİK II, Under Graduate, 2013 - 2014
BİLGİSAYAR IV (2. Öğretim), Under Graduate, 2013 - 2014
BİLGİSAYAR IV (İ.Ö.), Under Graduate, 2012 - 2013
FİZİK II (İ.Ö.), Under Graduate, 2012 - 2013
Çok Cisim Problemleri I, Doctorate, 2013 - 2014
BİLGİSAYAR III (İ.Ö.), Under Graduate, 2013 - 2014

BİLGİSAYAR III, Under Graduate, 2013 - 2014
FİZİK II, Under Graduate, 2012 - 2013
FİZİK IV, Under Graduate, 2008 - 2009, 2009 - 2010, 2010 - 2011, 2011 - 2012
BİLGİSAYAR IV, Under Graduate, 2007 - 2008, 2008 - 2009, 2009 - 2010, 2010 - 2011, 2011 - 2012
GENEL FİZİK, Under Graduate, 2011 - 2012, 2012 - 2013
BİLGİSAYAR III (İ.Ö.), Under Graduate, 2010 - 2011, 2011 - 2012, 2012 - 2013
BİLGİSAYAR IV, Under Graduate, 2007 - 2008, 2008 - 2009, 2009 - 2010, 2010 - 2011, 2011 - 2012
BİLGİSAYAR III, Under Graduate, 2007 - 2008, 2008 - 2009, 2009 - 2010, 2010 - 2011, 2011 - 2012, 2012 - 2013
BİLGİSAYAR IV (İ.Ö.), Under Graduate, 2010 - 2011, 2011 - 2012
BİLGİSAYAR IV (İ.Ö.), Under Graduate, 2010 - 2011
BİLGİSAYAR III (İ.Ö.), Under Graduate, 2010 - 2011
FİZİK II, Under Graduate, 2007 - 2008
BİLGİSAYAR IV, Under Graduate, 2007 - 2008
BİLGİSAYAR IV, Under Graduate, 2007 - 2008
FİZİK II, Under Graduate, 2007 - 2008
FİZİK I, Under Graduate, 2007 - 2008
FİZİK II, Under Graduate, 2006 - 2007
BİLGİSAYAR II, Under Graduate, 2006 - 2007
FİZİK I, Under Graduate, 2007 - 2008
BİLGİSAYAR III, Under Graduate, 2007 - 2008
BİLGİSAYAR I, Under Graduate, 2006 - 2007
FİZİK I, Under Graduate, 2006 - 2007
BİLGİSAYAR I, Under Graduate, 2006 - 2007

Advising Theses

BALCI K., Flutamide Molekülünün Yapısal Özellikleri ve Titreşimsel Spektrumlarının Analizi, Post Graduate, C.ARMAN(Student), 2018
BALCI K., Nocodazole Molekülünün Konformasyonel Yapısı ve Titreşimsel Spektrumlarının Analizi, Post Graduate, G.ARSLANCAN(Student), 2013
BALCI K., Ibuprofen Molekülünün Oda Sıcaklığındaki Kararlı Konformerlerinin Belirlenmesi ve Deneysel Titreşimsel Spektrumlarının Analizi, Post Graduate, A.AKBAY(Student), 2010

Jury Memberships

Associate Professor Exam, Associate Professor Exam, İstanbul Üniversitesi, March, 2020
Post Graduate, Post Graduate, İstanbul Üniversitesi, January, 2020
Associate Professor Exam, Associate Professor Exam, İstanbul Üniversitesi, December, 2019
Post Graduate, Post Graduate, İstanbul Üniversitesi, July, 2019
Post Graduate, Post Graduate, İstanbul Üniversitesi, June, 2019
Associate Professor Exam, Associate Professor Exam, İstanbul Üniversitesi, February, 2019
Associate Professor Exam, Associate Professor Exam, İstanbul Üniversitesi, January, 2019
Post Graduate, Tez Savunma Jürisi, İstanbul Üniversitesi , Fen Bilimleri Enstitüsü, December, 2018
Associate Professor Exam, Associate Professor Exam, İstanbul Üniversitesi, June, 2018
Doctorate, Doktora Tez Savunma Jürisi, İstanbul Üniversitesi , Fen Bilimleri Enstitüsü, January, 2016
Post Graduate, Tez Savunma Jürisi, İstanbul Üniversitesi , Fen Bilimleri Enstitüsü, July, 2015
Post Graduate, Tez Savunma Jürisi, İstanbul Üniversitesi , Fen Bilimleri Enstitüsü, December, 2014
Post Graduate, Tez Savunma Jürisi, İstanbul Üniversitesi , Fen Bilimleri Enstitüsü, June, 2013
Post Graduate, Tez Savunma Jürisi, İstanbul Üniversitesi , Fen Bilimleri Enstitüsü, June, 2013
Post Graduate, Tez Savunma Jürisi, İstanbul Üniversitesi , Fen Bilimleri Enstitüsü, June, 2013
Post Graduate, Tez Savunma Jürisi, İstanbul Üniversitesi , Fen Bilimleri Enstitüsü, May, 2013
Post Graduate, Tez Savunma Jürisi, İstanbul Üniversitesi , Fen Bilimleri Enstitüsü, May, 2013

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

- **Investigations of historical textiles from the Imperial Pavilion (Hunkar Kasri) of the new mosque Eminonu-Istanbul (Turkey) by multiple analytical techniques**
Akyuz T., Akyuz S., Balci K., Gulec A.
Journal of Cultural Heritage, vol.25, pp.180-184, 2017 (Journal Indexed in SCI Expanded)
- **The effects of conformation and zwitterionic tautomerism on the structural and vibrational spectral data of anserine**
Balci K., Akkaya Y., Akyuz S., Collier W. B. , Stricker M. C. , Stover D. D. , Ritzhaupt G., Koch A., Kleinpeter E.
VIBRATIONAL SPECTROSCOPY, vol.86, pp.277-289, 2016 (Journal Indexed in SCI)
- **Investigations of Ancient Terra-cotta Sarcophagi, Excavated in Enez (Ainos) Turkey, by Instrumental Neutron Activation Analysis**
Akyuz S., Akyuz T., Mukhamedshina N. M. , Balci K., Mirsagatova A. A. , Kurap G., Basarans S.
CROATICA CHEMICA ACTA, vol.88, 2015 (Journal Indexed in SCI)
- **A vibrational spectroscopy study on anserine and its aqueous solutions**
Akkaya Y., Balci K., Goren Y., Akyüz S., Stricker M. C. , Stover D. D. , Ritzhaupt G., Collier W. B.
Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, vol.149, pp.812-821, 2015 (Journal Indexed in SCI Expanded)
- **A vibrational spectroscopy study on 3-aminophenylacetic acid by DFT calculations**
Akkaya Y., Balci K., Goren Y., Akyuz S.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.147, pp.303-315, 2015 (Journal Indexed in SCI)
- **The effects of conformation and intermolecular hydrogen bonding on the structural and vibrational spectral data of naproxen molecule**
Balci K.
VIBRATIONAL SPECTROSCOPY, vol.70, pp.168-186, 2014 (Journal Indexed in SCI)
- **A conformational analysis and vibrational spectroscopic investigation on 1,2-bis(o-carboxyphenoxy) ethane molecule**
Balci K., Yapar G., Akkaya Y., Akyuz S., Koch A., Kleinpeter E.
Vibrational Spectroscopy, vol.58, pp.27-43, 2012 (Journal Indexed in SCI Expanded)
- **Raman micro-spectroscopic investigation of the interaction of cultured HCT116 colon cancer cells with alpha-difluoromethylornithine (DFMO), an irreversible inhibitor of ornithine decarboxylase**
Akyuz S., Ozel A., Balci K., Akyuz T., Coker A., Arisan E. D. , Palavan-Unsal N., Ozalpan A.
JOURNAL OF MOLECULAR STRUCTURE, vol.993, pp.319-323, 2011 (Journal Indexed in SCI)
- **Raman micro-spectroscopic analysis of cultured HCT116 colon cancer cells in the presence of roscovitine**
Akyuz S., Ozel A., Balci K., Akyuz T., Coker A., Arisan E. D. , Palavan-Unsal N., Ozalpan A.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.78, pp.1540-1547, 2011 (Journal Indexed in SCI)
- **DFT and MP2 based quantum mechanical calculations and a theoretical vibrational spectroscopic investigation on roscovitine, a potential drug to treat cancers**
Balci K., Akkaya Y., Akyuz S., Palavan-Unsal N.
Journal of Raman Spectroscopy, vol.42, pp.719-732, 2011 (Journal Indexed in SCI Expanded)
- **An experimental and theoretical vibrational spectroscopic study on niflumic acid, a non-steroidal anti-inflammatory drug**
Balci K., Akkaya Y., Akyuz S.
Vibrational Spectroscopy, vol.53, pp.239-247, 2010 (Journal Indexed in SCI Expanded)
- **A theoretical IR spectroscopic study based on DFT calculations for free mn-15S2O3 maleonitrile-dithiacrown ether compound**
Bald K., Koch A., Kleinpeter E.
Journal of Molecular Structure, vol.919, pp.128-139, 2009 (Journal Indexed in SCI Expanded)
- **A vibrational spectroscopic investigation on benzocaine molecule**
Balci K., Akyuz S.
VIBRATIONAL SPECTROSCOPY, vol.48, pp.215-228, 2008 (Journal Indexed in SCI)

- **A theoretical vibrational spectroscopic investigation on free Ethyl 2- and 3-aminobenzoate molecules**
Balci K., Akyüz S.
Journal of Molecular Structure, pp.525-539, 2007 (Journal Indexed in SCI Expanded)
- **Structure elucidation of a new rearranged abietane diterpene from a biologically active plant, Salvia eriophora**
Topçu G., Kolak U., Balci K., Ulubelen A.
NATURAL PRODUCT COMMUNICATIONS, vol.2, pp.981-986, 2007 (Journal Indexed in SCI)
- **A comparative vibrational spectroscopic investigation of free mn-12S(2)O(2) and fn-12S(2)O(2) dithiacrown ethers based on DFT calculations**
Balci K., Koch A., Kleinpeter E.
JOURNAL OF MOLECULAR STRUCTURE, vol.787, pp.191-202, 2006 (Journal Indexed in SCI)
- **A theoretical vibrational spectroscopic study with density functional theory and force field refinement calculation methods on free 4-aminopyrimidine molecule**
Balci K., Akyuz S.
JOURNAL OF MOLECULAR STRUCTURE, vol.744, pp.909-919, 2005 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

- **The effects of intermolecular interactions on the vibrational spectra of flutamide molecule: a study based on the experimental matrix FT-IR, FT-Raman, Dispersive Micro-Raman measurements and DFT calculations**
Balci K., Arman C., Akkaya Y., Akyüz S., Collier W. B. , Reaves-Mckee T. R. , Frankamp A. H. , Coates J. T. , Ritzhaupt G.
Turkish Physical Society 34th International Physics Congress, Muğla, Turkey, 5 - 09 September 2018, no.24, pp.459
- **A theoretical and experimental investigation on the effects of metal-ligand coordination on the structure and vibrational spectra of 4-aminopyrimidine molecule**
AKKAYA Y., BALCI K., AKYÜZ S.
'Türk Fizik Derneği 34.Uluslararası Fizik Kongresi', Muğla, Turkey, 4 - 10 September 2018, pp.57
- **CALCULATIONS ON THE TOTALY SYMMETRIC BOND STRETCHING VIBRATIONS OF METHANE AND SOME POLYETHYLENE MOLECULES**
ŞEN T. M. , AKKAYA Y., BALCI K., GÖREN Y.
Türk Fizik Derneği, 34. Uluslararası Fizik Kongresi, Muğla, Turkey, 4 - 10 September 2018, pp.59
- **The Effects Of Polymerization On The Structure And Molecular Vibrations Of Phenazopyridine**
Goren Y., Akkaya Y., Balci K., Akyüz S.
'Türk Fizik Derneği 34.Uluslararası Fizik Kongresi', Muğla, Turkey, 4 - 10 September 2018, pp.58
- **Determination of the electron-electron correlation on the structural and vibrational spectral data calculated for the cyclic oxazine molecules**
Aslntaş S., Akkaya Y., Balci K.
Turkish Physical Society 33rd International Physics Congress, Muğla, Turkey, 6 - 10 September 2017, no.3, pp.70
- **A molecular modeling study on the structure and vibrational properties of the chemotherapy drug letrozole**
Balci K., Akkaya Y., Akyüz S., Collier W. B. , Stover D. D. , Ritzhaupt G., Stricker M. C.
Türk Fizik Derneği, 33. Uluslararası Fizik Kongresi, Muğla, Turkey, 6 - 10 September 2017, no.4, pp.535
- **An investigation on the dependencies of the structural and vibrational spectral properties of the aromatic azine molecules to the number of nitrogen atoms and their positions in the ring by using the Hartree-Fock and MP2 calculation methods**
Araci Ö., Balci K., Akkaya Y.
Turkish Physical Society 33rd International Physics Congress, Bodrum, Muğla, Turkey, 6 - 10 September 2017, no.8, pp.537
- **A Density Functional Theory based study of the solvent effects on the experimental vibrational spectra of 4-aminopyrimidine**

Akkaya Y., Balcı K., Akyüz S.

Türk Fizik Derneği, 33. Uluslararası Fizik Kongresi, Muğla, Turkey, 6 - 10 September 2017, pp.87

- **A vibrational spectroscopy study on the chemotherapy drug flutamide by DFT calculations**
Arman C., Balcı K., Akkaya Y., Akyüz S., Collier W. B.
Turkish Physical Society 33rd International Physics Congress, Muğla, Turkey, 6 - 10 September 2017, no.6, pp.536
- **An Experimental and Theoretical Vibrational Spectroscopic Study on Zn(II) Halide Complexes of 4-Aminopyrimidine**
Akkaya Y., Balcı K., Akyüz S.
7th Cambridge Symposium on Nucleic Acids Chemistry and Biology, London, United Kingdom, 3 - 07 September 2017, no.3, pp.70
- **An investigation on the vibrational properties of neutral balenine by Matrix IR spectroscopy and DFT based calculations**
Akkaya Y., Balcı K., Akyüz S.
33rd European Congress on Molecular Spectroscopy (EUCMOS 2016), Szeged, Hungary, 30 July - 04 August 2016, no.1, pp.93
- **AN INTERPRETATION OF THE IR AND RAMAN SPECTRA OF LOMUSTINE MOLECULE BY DFT CALCULATIONS**
Balcı K., Akkaya Y., Akyüz S., Collier W. B.
9th International Physics Conference of the Balkan Physical Union, İstanbul, Turkey, 24 - 27 August 2015, no.17, pp.343
- **A theoretical and experimental vibrational spectroscopic study on N tau-methyl histidine and its water complexes**
Akkaya Y., Balcı K., Gören Y., Akyüz S.
9th INTERNATIONAL PHYSICS CONFERENCE OF THE BALKAN PHYSICAL UNION-BPU9, İstanbul, Turkey, 24 - 27 August 2015, no.6, pp.334
- **THE ELUCIDATION OF THE STRUCTURE AND VIBRATIONAL PROPERTIES OF 4-HYDROXYCYCLOHEXANONE BY DFT CALCULATIONS, IR AND RAMAN SPECTROSCOPIC MEASUREMENTS**
Balcı K., Akkaya Y., Akyüz S., Koch A., Kleinpeter E.
TURKISH PHYSICAL SOCIETY 31 ST INTERNATIONAL PHYSICS CONGRESS, Muğla, Turkey, 21 - 24 July 2014, no.10, pp.273
- **A VIBRATIONAL SPECTROSCOPIC INVESTIGATION ON METOLAZONE**
Akkaya Y., Balcı K., Şale Y., Akyüz S.
TURKISH PHYSICAL SOCIETY 31 ST INTERNATIONAL PHYSICS CONGRESS, Muğla, Turkey, 21 - 24 June 2014, no.2, pp.265
- **Tautomeric Preference And Conformational Analysis Of Triamterene**
Gören Y., Akkaya Y., Balcı K., Akyüz S.
Turkish Physical Society 30th International Physics Congress, İstanbul, Turkey, 2 - 05 September 2013, no.34, pp.345
- **Experimental and theoretical vibrational spectroscopic investigation of anserine and balenine dipeptides**
Akkaya Y., Balcı K., Gören Y., Akyüz S.
Turkish Physical Society 30th International Physics Congress, İstanbul, Turkey, 2 - 05 September 2013, no.12, pp.312
- **The Effects Of Hydrogen Bonding On The Structure And Vibrational Properties Of Difluoromethylornithine**
Balcı K., Akkaya Y., Akyüz S., Unsal N. P.
Turkish Physical Society 30th International Physics Congress, İstanbul, Turkey, 2 - 05 September 2013, pp.323
- **A CONFORMATIONAL AND VIBRATIONAL SPECTROSCOPIC INVESTIGATION ON ANTICANCER DRUG NOCODAZOLE**
Arslançan G., Balcı K.
Turkish Physical Society 30th International Physics Congress, İstanbul, Turkey, 2 - 05 September 2013, no.8, pp.317
- **An investigation on the structural and vibrational spectroscopic data of some biological active dipeptides**

Akkaya Y., Balcı K., Gören Y., Akyüz S.

SPEC 2012 - Shedding New Light on Disease, Chiang-Mai, Thailand, 11 - 16 November 2012, no.1, pp.1

- **An Investigation On The Structure And Vibrational Properties Of Difluoromethylornithine By Dft Calculations, Ir And Raman Spectroscopic Measurements**

Balcı K., Akkaya Y., Akyüz S.

Turkish Physical Society 29th International Physics Congress, Muğla, Turkey, 5 - 09 September 2012, no.13, pp.366

- **A Vibrational Spectroscopic Study On Dansyl Fluoride Molecule By Ir And Raman Spectroscopic Measurements And Dft Calculations**

Balcı K., Akkaya Y., Akyüz S.

31st European Congress on Molecular Spectroscopy (EUCMOS 2012), Cluj-Napoca, Romania, 26 - 31 August 2012, no.5, pp.162

- **An investigation on the conformational structure and vibrational motions of Sulindac molecule by IR and Raman spectroscopic measurements and DFT-based quantum mechanical calculations**

Akbay A., Balcı K.

31st European Congress on Molecular Spectroscopy (EUCMOS 2012), Cluj-Napoca, Romania, 26 - 31 August 2012, no.2, pp.159

- **A Vibrational Spectroscopic Investigation On Ibuprofen And Its Solutions**

Akbay A., Balcı K., Akkaya Y., Akyüz S.

Turkish Physical Society 28th International Physics Congress, Muğla, Turkey, 6 - 09 September 2011, pp.410

- **Conformational and vibrational spectroscopic analysis of 3- and 4-Aminophenylacetic acid molecules**

Akkaya Y., Balcı K., Gören Y., Akyüz S.

28 th International Physics Congress, Muğla, Turkey, 6 - 09 September 2011, no.4, pp.412

- **A Conformational And Vibrational Spectroscopic Study On The Non-Steroidal Anti-Inflammatory Drug Piroxicam**

Balcı K., Akkaya Y., Akyüz S.

Turkish Physical Society 28th International Physics Congress, Muğla, Turkey, 6 - 09 September 2011, no.16, pp.425

- **Conformational Analysis And Ab-Initio, Dft Studies Of Phenazopyridine Molecule**

Gören Y., Akkaya Y., Balcı K., Akyüz S.

Turkish Physical Society 28th International Physics Congress, Muğla, Turkey, 6 - 09 September 2011, pp.151

- **Vibrational spectroscopic analysis of L-anserine dipeptide**

Akkaya Y., Balcı K., Akyüz S.

Colloquium Spectroscopicum Internationale XXXVII, Rio-De-Janeiro, Brazil, 28 August - 02 September 2011, no.7, pp.1

- **The Effects Of Dimerization On The Structure And Vibrational Spectral Data Of Ibuprofen Molecule, A Non-Steroidal Anti-Inflammatory Drug**

Balcı K., Akbay A., Akkaya Y., Akyüz S.

Colloquium Spectroscopicum Internationale XXXVII, Rio-De-Janeiro, Brazil, 28 August - 02 September 2011, no.6, pp.1

- **A Theoretical And Experimental Vibrational Spectroscopic Study On Valine-Tyrosine And Its Water Complexes**

Akkaya Y., Balcı K., Akyüz S.

Colloquium Spectroscopicum Internationale XXXVII, Rio-De-Janeiro, Brazil, 28 August - 02 September 2011, no.11, pp.1

- **Studies on Valine-Tyrosine, antihypertensive dipeptide in Aqueous Solution by Raman Spectroscopy**

Akkaya Y., Balcı K., Akyüz S.

EUCMOS 2010, 30th European Congress of Molecular Spectroscopy, Florence, Italy, 29 August - 03 September 2010, no.51, pp.137

- **Micro Raman spectroscopic investigation of the interaction of cultured HCT116 colon cancer cells with alpha-difluoromethylornithine (DFMO), an irreversible inhibitor of ornithine decarboxylase**

Akyuz S., Özel A., Balcı K., Akyuz T., Coker A., Damla Arısan E., Palavan-Unsal N., Ozalpan A.

30th European Congress on Molecular Spectroscopy (EUCMOS 2010), Florence, Italy, 29 August - 03 September

2010, no.21, pp.107

- **An Ir And Raman Spectroscopic Investigation On Alpha-Difluoromethyl-Ornithine (Dfmo), A Potential Target As Chemotherapeutic Acent**
Balci K., Akkaya Y., Akyüz S., Unsal N. P.
30th European Congress on Molecular Spectroscopy (EUCMOS 2010), Florence, Italy, 29 August - 03 September 2010, no.38, pp.124
- **Molecular Structure and Vibrational Characteristics of Phenazopyridine molecule: The IR, Raman and DFT studies**
Akkaya Y., Balci K., Gören Y., Akyüz S.
5th International Conference on Advanced Vibrational Spectroscopy, Melbourne, Australia, 12 - 17 July 2009, no.132, pp.151
- **An experimental and theoretical IR and Raman spectroscopic study on isonicotinamide and its ZnCl₂ and ZnBr₂ complexes**
Balci K., Akkaya Y., Başar G., Akyüz S.
5th International Conference on Advanced Vibrational Spectroscopy, Melbourne, Australia, 12 - 17 July 2009, no.128, pp.149
- **Micro Raman Spectroscopic Investigation of the interaction of cultured Hct116 Colon Cancer Cells With Roscovitine**
Akyuz S., Akyuz T., Damla Arisan E., Balci K., Coker A., Özel A., Ozalpan A.
5th International Conference on Advanced Vibrational Spectroscopy, Melbourne, Australia, 12 - 17 July 2009, no.31, pp.86
- **QUANTUM CHEMICAL CALCULATIONS AND VIBRATIONAL SPECTRAL INVESTIGATION OF ROSCOVITINE, A POTENTIAL DRUG TO TREAT CANCERS**
Balci K., Akkaya Y., Akyuz S., Palavan-Unsal N.
5th International Conference on Advanced Vibrational Spectroscopy, Melbourne, Australia, 12 - 17 July 2009, no.9, pp.86
- **IR and Raman and Density Functional Theory Studies on a Non-Steroidal Anti-Inflammatory Drug, Naproxen**
Akkaya Y., Balci K., Akyüz S.
31th EUCMOS 2012 (European Conference on Molecular Spectroscopy, Pula, Croatia, 31 August - 05 September 2008, no.1, pp.219
- **A Theoretical Conformational Analysis And Vibrational Spectroscopic Investigation On Niflumic Acid**
Balci K., Akkaya Y., Akyüz S.
XXIX European Congress on Molecular Spectroscopy (EUCMOS 2008), Pula, Croatia, 31 August - 05 September 2008, no.6, pp.41
- **A theoretical IR and Raman Spectroscopic Study on 1,2-Bis(o-carboxyphenoxy) ethane molecule**
Yapar G., Balci K.
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