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Personal Information

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Address: Hacettepe Üniversitesi Mühendislik Fakültesi Fizik Mühendisliği Beytepe Ankara

Education Information

Doctorate, Gazi Üniversitesi, Fen Fakültesi/Fen Bilimleri, Fizik/Atom Molekül, Turkey 1983 - 1989

Postgraduate, Ankara Üniversitesi, Fen Fakültesi/Fen Bilimleri, Astrofizik, Turkey 1981 - 1983

Undergraduate, Ankara Üniversitesi, Fen Fakültesi, Fizik-Astronomi, Turkey 1978 - 1981

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Physics, Atomic and Molecular Physics, Natural Sciences

Academic and Administrative Experience

Hacettepe Üniversitesi, Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi Bölümü, 2009 - 2009

Courses

Titreşim ve Dalgalar, Undergraduate, 2016 - 2017

Temel Fizik Lab, Undergraduate, 2016 - 2017

FİZİK LABARATUVARI III, Undergraduate, 2016 - 2017

Fizik I, Undergraduate, 2016 - 2017

SPEKTRAL ANALİZ YÖNTEMLERİ, Undergraduate, 2016 - 2017

Kuantum Fiziği I, Undergraduate, 2017 - 2018

Advising Theses

BAYARI S., Omega-6 Yağ Asitlerinin Moleküler Yapılarının ve Titreşim Spektrumlarının Deneysel ve Teorik Olarak İncelenmesi, Doctorate, T.GÖCEN(Student), 2018

BAYARI S., Rasajilin ve tuzlarının moleküler yapıları ve titreşimsel spektrumlarının teorik olarak incelenmesi, Postgraduate, Ü.CEREN(Student), 2011

BAYARI S., Antidepresan ilaç etken maddesi olan maprotilinin moleküler özelliklerinin ve diğer ilaçlarla etkileşimlerinin spektroskopik ve kuantum mekaniysel hesaplama yöntemi ile incelenmesi, Postgraduate, A.EVREN(Student), 2009

BAYARI S., Metilfenidat molekülünün moleküler yapısının ve titreşimsel spektrumunun teorik olarak incelenmesi, Postgraduate, B.SEYMEN(Student), 2008

BAYARI S., Histamin ve serotonin (5-HT) moleküllerinin titreşim spektrumlarının deneysel ve teorik olarak incelenmesi, Postgraduate, H.FEHMİ(Student), 2005

BAYARI S., Ofloksasin komplekslerinin ve ofloksasin-famotidin ilaç etken maddelerinin etkileşiminin infrared spektroskopisi ve teorik hesaplama yöntemleri ile incelenmesi, Doctorate, S.GÜNEŞDOĞDU(Student), 2004

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

- I. **Evaluation of the protective effect on enamel demineralization of CPP-ACP paste and ROCS by vibrational spectroscopy and SAXS: An in vitro study**
Akgun O. M. , Bayari S., İDE S., Polat G. G. , Yildirim C., Orujalipoor I.
MICROSCOPY RESEARCH AND TECHNIQUE, 2021 (Journal Indexed in SCI)
- II. **In vitro comparison of nanofibrillar and macroporous-spongy composite tissue scaffolds for periodontal tissue engineering**
ŞAHBAZOĞLU K. B. , DEMİRBILEK M., BAYARI S., BÜBER E., Toklucu S., TÜRK M., KARABULUT E., AKALIN F. A.
CONNECTIVE TISSUE RESEARCH, 2021 (Journal Indexed in SCI)
- III. **Application of ATR-FTIR spectroscopy and chemometrics for the discrimination of human bone remains from different archaeological sites in Turkey**
Bayari S., ÖZDEMİR K., Sen E. H. , Araujo-Andrade C., ERDAL Y. S.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.237, 2020 (Journal Indexed in SCI)
- IV. **Auxiliary differential diagnosis of schizophrenia and phases of bipolar disorder based on the blood serum Raman spectra**
İldiz G. O. , BAYARI S., Aksoy U. M. , YORGUNER N., Bulut H., Yılmaz S. S. , Halimoglu G., Kabuk H. N. , Yavuz G., Fausto R.
JOURNAL OF RAMAN SPECTROSCOPY, 2020 (Journal Indexed in SCI)
- V. **Fourier Transform Infrared Spectroscopy Based Complementary Diagnosis Tool for Autism Spectrum Disorder in Children and Adolescents**
İldiz G. O. , BAYARI S., Karadag A., Kaygisiz E., Fausto R.
MOLECULES, vol.25, no.9, 2020 (Journal Indexed in SCI)
- VI. **Effects of chemical structures of omega-6 fatty acids on the molecular parameters and quantum chemical descriptors**
Gocen T., Bayari S. H. , Guven M. H.
Journal of Molecular Structure, vol.1174, pp.142-150, 2018 (Journal Indexed in SCI)
- VII. **Conformational and vibrational studies of arachidonic acid, light and temperature effects on ATR-FTIR spectra**
Gocen T., Bayari S. H. , Guven M. H.
Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, vol.203, pp.263-272, 2018 (Journal Indexed in SCI)
- VIII. **Structural studies on Demospongiae sponges from Gokceada Island in the Northern Aegean Sea**
Bayari S., Şen E. H. , İde S., Topaloglu B.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.192, pp.368-377, 2018 (Journal Indexed in SCI)
- IX. **Linoleic acid and its potassium and sodium salts: A combined experimental and theoretical study**
Gocen T., Bayari S. H. , Guven M. H.
JOURNAL OF MOLECULAR STRUCTURE, vol.1150, pp.68-81, 2017 (Journal Indexed in SCI)
- X. **Micro- and nano-structural characterization of six marine sponges of the class Demospongiae**
Sen E. H. , İDE S., Bayari S., Hill M.
EUROPEAN BIOPHYSICS JOURNAL WITH BIOPHYSICS LETTERS, vol.45, no.8, pp.831-842, 2016 (Journal Indexed in

SCI)

- XI. **The effect of monolithic zirconia thickness on the degree of conversion of dental resin cements: ATR-FTIR spectroscopic analysis**
Bayindir B. C. , Nemli S. K. , Bayari S. H. , Bal B. T.
VIBRATIONAL SPECTROSCOPY, vol.86, pp.212-217, 2016 (Journal Indexed in SCI)
- XII. **Structural effects of simvastatin on liver rate tissue: Fourier transform infrared and Raman microspectroscopic studies**
Garip S., Bayari S. H. , Severcan M., Abbas S., Lednev I. K. , SEVERCAN F.
JOURNAL OF BIOMEDICAL OPTICS, vol.21, no.2, 2016 (Journal Indexed in SCI)
- XIII. **Micro- and Nanoscale Structures of Mesiodens Dentin: Combined Study of FTIR and SAXS/WAXS Techniques**
Akgun O. M. , Bayari S. H. , İDE S., Polat G. G. , Orujalipoor (Kalkhoran) I.
MICROSCOPY RESEARCH AND TECHNIQUE, vol.78, no.1, pp.52-58, 2015 (Journal Indexed in SCI)
- XIV. **Methylparaben Isolated in Solid Argon: Structural Characterization and UV-Induced Conversion into Methylparaben Radical and Isomeric Ketenes**
Kus N., BAYARI S., Fausto R.
JOURNAL OF PHYSICAL CHEMISTRY B, vol.117, no.43, pp.13543-13555, 2013 (Journal Indexed in SCI)
- XV. **Structural investigation of boron undoped and doped indium stabilized bismuth oxide nanoceramic powders**
Kocyigit S., Gokmen O., Temel S., Aytimur A., Uslu I., Bayari S. H.
CERAMICS INTERNATIONAL, vol.39, no.7, pp.7767-7772, 2013 (Journal Indexed in SCI)
- XVI. **Density functional investigation of the molecular structures, vibrational spectra and molecular properties of sulfonated pyridyl imine ligands and their palladium complexes**
Eryurek M., BAYARI S. H. , YÜKSEL D., Hanhan M. E.
COMPUTATIONAL AND THEORETICAL CHEMISTRY, vol.1013, pp.109-115, 2013 (Journal Indexed in SCI)
- XVII. **Structural alterations in rat liver proteins due to streptozotocin-induced diabetes and the recovery effect of selenium: Fourier transform infrared microspectroscopy and neural network study**
Bozkurt O., Bayari S., Severcan M., Krafft C., Popp J., Severcan F.
JOURNAL OF BIOMEDICAL OPTICS, vol.17, no.7, 2012 (Journal Indexed in SCI)
- XVIII. **Theoretical investigation of the Anti-Parkinson drug rasagiline and its salts: Conformations and infrared spectra**
Baköse U., Bayar S. H. , Sağlam S., Özsk H.
Central European Journal of Chemistry, vol.10, no.2, pp.395-406, 2012 (Journal Indexed in SCI)
- XIX. **In situ photoproduction of dichlorodibenzo-p-dioxin from non-ionic triclosan isolated in solid argon**
Kus N., Reva I., BAYARI S., Fausto R.
JOURNAL OF MOLECULAR STRUCTURE, vol.1007, pp.88-94, 2012 (Journal Indexed in SCI)
- XX. **Applications of Vibrational Spectroscopy in Diagnosis and Screening of Dental Tissues**
Haman Bayari S.
VIBRATIONAL SPECTROSCOPY IN DIAGNOSIS AND SCREENING, vol.6, pp.304-320, 2012 (Journal Indexed in SCI)
- XXI. **Investigation of adhesive-dentin interfaces using Raman microspectroscopy and small angle X-ray scattering**
Bayari S. H. , Krafft C., İDE S., Popp J., Guven G., ÇEHRELİ Z. C. , Soylu E. H.
Journal of Raman Spectroscopy, vol.43, no.1, pp.6-15, 2012 (Journal Indexed in SCI)
- XXII. **EXPERIMENTAL AND QUANTUM CHEMICAL STUDIES OF 5-FLUOROISATIN-3-(N-CYCLOHEXYLTHIOSEMICARBAZONE) AND ITS METAL COMPLEXES**
Sagdınc S. G. , KANDEMİRLİ F., Oksoy B. K. , BAYARI S.
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.187, no.10, pp.1243-1260, 2012 (Journal Indexed in SCI)
- XXIII. **Structural characterization of a variety of spider silks from Turkey using different biophysical techniques**
DE S., Haman Bayari S., TÜRKEŞ T., MERGEN Y. O. , Çelik Ö., Bütün V., SARGON M. F. , KOCATEPE N., KRIECHBAUM M.

- SPECTROSCOPY-BIOMEDICAL APPLICATIONS, vol.25, pp.155-167, 2011 (Journal Indexed in SCI)
- XXIV. **A Study on Marble Dust Nanocomposites.**
Soylu E. H. , İDE S., BAYARI S., Trasoglu E., Aksoy H.
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.66, 2010 (Journal Indexed in SCI)
- XXV. **Thermal decomposition of allantoin as probed by matrix isolation FTIR spectroscopy**
Kuş N., BAYARI S., Fausto R.
Tetrahedron, vol.65, no.47, pp.9719-9727, 2009 (Journal Indexed in SCI)
- XXVI. **Structural and vibrational study of maprotiline**
YAVUZ A. E. , Haman Bayari S., KAZANCI N.
Journal of Molecular Structure, pp.313-321, 2009 (Journal Indexed in SCI)
- XXVII. **Theoretical study on gas-phase conformations and vibrational assignment of methylphenidate**
Bayari S., Seymen B., Ozisik H., Saglam S.
JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM, vol.893, pp.17-25, 2009 (Journal Indexed in SCI)
- XXVIII. **Theoretical and spectroscopic studies of 5-fluoro-isatin-3-(N-benzylthiosemicarbazone) and its zinc(II) complex**
Sagdinc S., Koksoy B., Kandemirli F., Bayari S.
JOURNAL OF MOLECULAR STRUCTURE, vol.917, pp.63-70, 2009 (Journal Indexed in SCI)
- XXIX. **Novel Bone Nanocomposites: Preparation, FTIR and SWAXS Analysis**
BAYARI S., İDE S., Soylu E. H. , Rodoplu D., Vargi T., Yoldas A.
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.65, 2009 (Journal Indexed in SCI)
- XXX. **Structural and vibrational investigation of 1, 2-bis(3, 4-dimethoxyphenyl) ethane-1, 2-dione (Veratril): Experimental and theoretical studies**
Sengul A., Arslan H., BAYARI S., BUYUKGUNGOR O.
Structural Chemistry, vol.19, no.3, pp.467-476, 2008 (Journal Indexed in SCI)
- XXXI. **Molecular structure and vibrational spectra of γ -oxo [1,1'-biphenyl]-4-butanoic acid (fenbufen) and its interaction with ofloxacin**
Haman Bayari S., Sagdinc S.
Structural Chemistry, vol.19, no.3, pp.381-390, 2008 (Journal Indexed in SCI)
- XXXII. **Molecular structure and vibrational spectra of 4-, 5-, 6-chloroindole**
Ozisik H., Saglam S., Bayari S.
STRUCTURAL CHEMISTRY, vol.19, no.1, pp.41-50, 2008 (Journal Indexed in SCI)
- XXXIII. **Mucopolysaccharidosis type I (Hurler syndrome): oral and radiographic findings and ultrastructural/chemical features of enamel and dentin**
GUVEN G., ÇEHRELİ Z. C. , ALTUN C., ŞENÇİMEN M., İDE S., BAYARI S., KARAÇAY Ş.
Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology and Endodontology, vol.105, no.1, pp.72-78, 2008 (Journal Indexed in SCI)
- XXXIV. **Infrared spectrum, molecular structure and theoretical calculation of 2-pyridone-6-carboxylic acid**
Arslan H., Şengül A., Aygün S., Karadayı N., BAYARI S.
Journal of Molecular Structure, vol.839, pp.76-83, 2007 (Journal Indexed in SCI)
- XXXV. **Ab initio and density functional computations of the vibrational spectrum, molecular geometry and some molecular properties of the antidepressant drug sertraline (Zoloft) hydrochloride**
Sagdinc S., Kandemirli F., Bayari S. H.
Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, vol.66, no.2, pp.405-412, 2007 (Journal Indexed in SCI)
- XXXVI. **Synchrotron FT-IR microspectroscopic analysis of necrotic bone**
Bayari S. H. , UTKU H., IKEMOTO Y., Celasun B., Koemuercue M., ATIK A.
SPECTROSCOPY-AN INTERNATIONAL JOURNAL, vol.21, no.4, pp.227-234, 2007 (Journal Indexed in SCI)
- XXXVII. **Investigation of different substituents's affects to the crystal and molecular structures in some anesthetic compounds**
Ozcan Y., Malkas H., Ayerden T., BAYARI S., İDE S.
ACTA CRYSTALLOGRAPHICA A-FOUNDATION AND ADVANCES, vol.62, 2006 (Journal Indexed in SCI)

- XXXVIII. **Experimental and theoretical studies of the vibrational spectrum of 5-hydroxytryptamine**
 Bayari S., Saglam S., Ustundag H.
 JOURNAL OF MOLECULAR STRUCTURE-THEOCHEM, vol.726, pp.225-232, 2005 (Journal Indexed in SCI)
- XXXIX. **FTIR study of biodegradable biopolymers: P(3HB), P(3HB-co-4HB) and P(3HB-co-3HV)**
 Bayari S., Severcan F.
 JOURNAL OF MOLECULAR STRUCTURE, vol.744, pp.529-534, 2005 (Journal Indexed in SCI)
- XL. **Experimental and theoretical infrared spectra of famotidine and its interaction with ofloxacin**
 SAGDINC S., Bayari S.
 JOURNAL OF MOLECULAR STRUCTURE, vol.744, pp.369-376, 2005 (Journal Indexed in SCI)
- XLI. **Spectroscopic studies on the interaction of ofloxacin with metals**
 Sagdinc S., Bayari S.
 JOURNAL OF MOLECULAR STRUCTURE, vol.691, pp.107-113, 2004 (Journal Indexed in SCI)
- XLII. **Theoretical study of ofloxacin: Geometrical parameters and vibrational wavenumbers**
 Sagdinc S., BAYARI S.
 Journal of Molecular Structure: THEOCHEM, vol.668, pp.93-99, 2004 (Journal Indexed in SCI)
- XLIII. **Coordination behaviour of nicotinamide: An infrared spectroscopic study**
 BAYARI S., Ataç A., Yurdakul Ş.
 Journal of Molecular Structure, vol.655, no.1, pp.163-170, 2003 (Journal Indexed in SCI)
- XLIV. **Fourier transform infrared spectra and molecular structure of 5-methoxytryptamine, N-acetyl-5-methoxytryptamine and N-phenylsulfonamide-5-methoxytryptamine**
 BAYARI S., İDE S.
 Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, vol.59, no.6, pp.1255-1263, 2003 (Journal Indexed in SCI)
- XLV. **Infrared spectra and AM1 calculations of N-benzylideneanilines**
 GÜNER V., BAYARI S.
 Spectroscopy Letters, vol.35, no.1, pp.83-98, 2002 (Journal Indexed in SCI)
- XLVI. **Normal coordinate analysis of 4-aminopyridine. Effect of substituent on pyridine ring in metal complexes of 4-substituted pyridines**
 Topaçlı A., Bayari S.
 SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.57, no.7, pp.1385-1391, 2001 (Journal Indexed in SCI)
- XLVII. **Spectroscopic and structural studies on metal halide complexes of 4-vinylpyridine**
 BAYARI S., İDE S., Yurdakul Ş.
 Journal of Molecular Structure, vol.560, pp.95-103, 2001 (Journal Indexed in SCI)
- XLVIII. **The force field of 4-vinylpyridine and 4-vinylpyridine metal complexes**
 Topaçlı A., BAYARI S.
 Journal of Molecular Structure, vol.595, pp.93-99, 2001 (Journal Indexed in SCI)
- XLIX. **Vibrational spectroscopic studies on the T-d-type adeninemetal(II)tetracyanometallate(II) benzene clathrates: M(ad)(2)M'(CN)(4).C6H6 (M = Mn or Cd, M' = Cd or Hg)**
 Bayari S., Bayrak C., Kantarci Z.
 JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY, vol.38, pp.23-35, 2000 (Journal Indexed in SCI)
- L. **A biomechanical and spectroscopic study of bone from rats with selenium deficiency and toxicity**
 Turan B., Bayari S., Balcik C., Severcan F., Akkas N.
 BIOMETALS, vol.13, no.2, pp.113-121, 2000 (Journal Indexed in SCI)
- LI. **Fourier transform infrared and Raman spectra of 4-vinylpyridine and its transition metal(II) tetracyanonickelate complexes**
 Bayari S., Yurdakul S.
 SPECTROSCOPY LETTERS, vol.33, no.4, pp.475-483, 2000 (Journal Indexed in SCI)
- LII. **The infrared spectra of (dimen) and dimen-T(d)-type M(dimen)M'(CN)4 (M = Cd or Mn; M' = Zn, Cd or Hg) complexes**

BAYRAK C., BAYARI S.

Journal of Molecular Structure, pp.159-163, 1999 (Journal Indexed in SCI)

- LIII. **Structural information on transition metal(II) complexes of 4,4'-bipyridyl and 4-phenylpyridine from their infrared spectra**
Bayari S., Topaçlı A., Salih B.
JOURNAL OF MOLECULAR STRUCTURE, vol.482, pp.165-169, 1999 (Journal Indexed in SCI)
- LIV. **FTIR and turbidity studies of fish oil-dipalmitoylphosphatidylcholine model membrane interactions**
Severcan F., Bayari S., Karahan D.
JOURNAL OF MOLECULAR STRUCTURE, vol.481, pp.413-416, 1999 (Journal Indexed in SCI)
- LV. **Urey-Bradley force field of 4-ethylpyridine**
Topaçlı A., BAYARI S.
Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, vol.55, pp.1389-1394, 1999 (Journal Indexed in SCI)
- LVI. **An infrared and Raman spectroscopic study on the Hofmann-T(d)-type complexes: $ML_2M'(CN)_4$, $M = Mn$ or Zn , $M' = Zn, Cd$ or Hg , $L =$ pyridine, α -, β - or γ -picoline**
Kantarci Z., Bayrak C., Bayar S.
Journal of Molecular Structure, vol.407, pp.155-163, 1997 (Journal Indexed in SCI)
- LVII. **Molecular force field of 4-cyanopyridine and its application to 4-cyanopyridine metal complexes**
TOPAÇLI A., BAYARI S.
Spectroscopy Letters, vol.29, no.2, pp.277-291, 1996 (Journal Indexed in SCI)
- LVIII. **The crystal and molecular structure of an antidepressant drug (isocarboxazid)**
İDE S., TOPAÇLI A., BAYARI S.
Crystal Research and Technology, vol.31, no.2, pp.187-195, 1996 (Journal Indexed in SCI)
- LIX. **An infrared spectroscopic study on Hofmann-type complexes of dimethyl sulfoxide**
BAYARI S., Kantarci Z., Akyüz S.
Journal of Molecular Structure, vol.351, pp.19-24, 1995 (Journal Indexed in SCI)
- LX. **The infrared and raman spectra of 4-phenylpyridine and its hofmann type complexes.**
BAYARI S., Topaç A., Aydinli A.
Spectroscopy Letters, vol.27, no.9, pp.1083-1096, 1994 (Journal Indexed in SCI)
- LXI. **AN INFRARED AND RAMAN-SPECTROSCOPIC STUDY OF TD-TYPE 4,4'-BIPYRIDYLCADMIUM(II) TETRACYANOMETALLATE(II) BENZENE(1/2) CLATHRATES - $CD(C_{10}H_8N_2)CD(CN)_4 \cdot 2C_6H_6$ AND $CD(C_{10}H_8N_2)HG(CN)_4 \cdot 2C_6H_6$**
BAYARI S., KANTARCI Z., AKYUZ S.
JOURNAL OF INCLUSION PHENOMENA AND MOLECULAR RECOGNITION IN CHEMISTRY, vol.17, no.3, pp.291-302, 1994 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **A Structural Investigation on Polystyrene with Cyclohexene Mid-Chain Group: Thermal Stability and Self-Assembly Kinetics in Nonpolar and Polar Aprotic Solutions**
Orujalipoor I., İde S., Bayarı S., Değirmenci M., Çelik Ö.
Asian Journal of Applied Chemistry Research , vol.8, no.1, pp.1-12, 2021 (Refereed Journals of Other Institutions)
- II. **Vibrational and DFT Studies of Creatinine and Its Metal Complexes**
BAYRAK C., BAYARI S.
Hacettepe Journal of Biology and Chemistry, vol.38, pp.107-118, 2010 (Refereed Journals of Other Institutions)

Books & Book Chapters

- I. **Blood serum–infrared spectra-based chemometric models for auxiliary diagnosis of autism spectrum**

disorder

Öğrüş Ildız G., Bayarı S., Yorguner N., Fausto R.

in: Neural Engineering Techniques for Autism Spectrum Disorder Volume 1: Imaging and Signal Analysis, Ayman S. El-Baz, Jasjit S. Suri, Editor, Academic Press, Massachusetts, pp.185-213, 2021

II. Applications of Vibrational Spectroscopy in Diagnosis and Screening of Dental Tissues

BAYARI S.

in: Vibrational Spectroscopy in Diagnosis and Screening, Severcan Feride Haris Parvez, Editor, IOS Press, pp.304-320, 2012

III. The FTIR studies of the poly(3-hydroxybutyrate) and poly(3-hydroxybutyrate-co-3-hydroxyvalerate)

BAYARI S.

in: New Biomedical materials Basic And Applied Studies, Parvez I Haris and Denis Chapman, Editor, IOS Press, pp.58-64, 1998

Refereed Congress / Symposium Publications in Proceedings

I. Polymethylsilsesquioxane Concentration Effects on the Nanostructures and the Biophysical Properties of some Foundations and BB Creams

kaya p., Karaarslan D., Su C. J., BACIOĞLU A., DİKEN GÜR S., BAYARI S., Jeng U., İDE S.

4th International Turkish Congress on Molecular Spectroscopy (TURCMOS2019), Aydın, Turkey, 5 - 09 August 2019

II. Spectroscopic and Optical Properties of Silicone Hydrogel Contact Lenses

BAYARI S., BACIOĞLU A., GÖCEN T., ÇAVUS A. O.

XXXIV EUROPEAN CONGRESS ON MOLECULAR SPECTROSCOPY - EUCMOS 2018, Coimbra, Portugal, 19 - 24 August 2018, pp.327

III. In vitro comparison of nanofiber and macroporous-spongy composite tissue- scaffolds in periodontal tissue engineering

Şahbazoglu K. B., AKALIN F. A., DEMİR BİLEK M., TÜRK M., BAYARI S.

Turkish Society of Periodontology 47th International Scientific Congress and 26th Scientific Symposium 17-18 November 2017, Istanbul, Turkey, 17 - 18 November 2017, pp.51

IV. FTIR Spectroscopic Studies of Spider Dragline Silk of Different Species

BAYARI S., Turkes T., CHUANG W. T.

TURCMOS2017, 26 August 2017 - 29 August 2018, pp.343

V. A Study on Silk Cocoon Membranes of A.lobata and A.bruennichi : Structural Characterization, Electricity and Bioactivity

Chuang W. T., İDE S., User J., BAYARI S., Orujalipoor I., TÜRK E. T.

23. User Meeting and Workshop, 5 - 08 August 2017

VI. Analysis of Normal and Rickets Human Skeletal Remains by FT IR spectroscopy and SAXS

BAYARI S., ÖZDEMİR K., İDE S., ERDAL Y. S., Orujalipoor I., ŞEN E.

II. International Congress on Molecular Spectroscopy, 13 - 18 September 2015

VII. Diagenic Alterations in the Anthropological Bone Mineral Structure FT IR spectroscopy and SAXS studies

BAYARI S., BAYARI S., ÖZDEMİR K., İDE S., ERDAL Y. S., Orujalipoor I.

II. International Congress of Molecular Spectrometry, 13 - 18 September 2015

VIII. Conformational and vibrational studies of triclosan

Özişik H., BAYARI S., Sağlam S.

7th International Conference of the Balkan Physical Union, Alexandroupoli, Greece, 9 - 13 September 2009, vol.1203, pp.1227-1232

IX. Structural Investigation on some Silk (Dragline, Hiding and Egg-Cocoon) Samples Weaved by Different Species Living in Turkey

İDE S., ARIĞ A., TÜRKEŞ T., MERGEN Y. O., BAYARI S., ÇELİK Ö.

XXIX European Congress on Molecular Spectroscopy. Eucmos 2008, Croatia, Croatia, 31 August 2008, pp.188

X. **A DFT study of the structural and vibrational properties of alpha,omega-diamines**

Saglam S., Ozbay A., BAYARI S.

6th International Conference of the Balkan-Physical-Union, İstanbul, Turkey, 22 - 26 August 2006, vol.899, pp.557

XI. **Structural Characterizations of Silks and Egg-Coccons Produced By The Spiders Living in The Central Anatolian Region**

ÖZCAN Y., İDE S., GÜNEŞ B., BAYARI S., DİLEK N., MERGEN Y. O., SARGON M. F.

6th International Conference of the Balkan Physical Union, İstanbul, Turkey, 22 August 2006, pp.1117

Other Publications

I. **Molecular spectroscopy and molecular structure - Selected communications presented at the 1st International Turkish Congress on Molecular Spectroscopy (TURCMOS 2013)**

BAYARI S.

Other, pp.523-524, 2016

Supported Projects

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BAYARI S., İDE S., TUBITAK Project, KBAG 214Z049 Türkiyenin Doğu Karadeniz Bölgesi ile Tayvanın kuzey bölümünde yaşayan örümceklerin ağırları üzerine nano mikro skalada ileri yapısal analizler, 2015 - Continues

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