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International Researcher IDs

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Publons / Web Of Science ResearcherID: T-6150-2018

Yoksis Researcher ID: 17406

Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Kimya / Anorganik Kimya, Turkey 2006 - 2012

Postgraduate, Recep Tayyip Erdogan University, Fen Bilimleri Enstitüsü, Kimya / Anorganik Kimya, Turkey 2002 - 2006

Undergraduate, Ankara University, Fen Fakültesi, Kimya, Turkey 1997 - 2001

Foreign Languages

English, B1 Intermediate

Dissertations

Doctorate, TRİFENİL İMİDAZOL GRUBU TAŞIYAN YENİ PERİFERAL TİP FTALOSİYANİNLERİN SENTEZİ KARAKTERİZASYONU VE SPEKTROSKOPİK İNCELENMESİ , Karadeniz Technical University, Güneysu Fizik Tedavi ve Rehabilitasyon Yüksekokulu, Kimya / Anorganik Kimya, 2012

Postgraduate, BAZI BİTKİSEL YAĞLARDAN BİYODİZEL ÜRETİMİ, Karadeniz Technical University, Güneysu Fizik Tedavi ve Rehabilitasyon Yüksekokulu, Kimya / Anorganik Kimya, 2006

Research Areas

Chemistry, Inorganic Chemistry, Coordination Chemistry, Novel Ligands, Natural Sciences

Academic Titles / Tasks

Professor, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Kimya Bölümü, 2019 - Continues

Associate Professor, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Kimya Bölümü, 2014 - 2019

Assistant Professor, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Kimya Bölümü, 2014 - 2014

Expert, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Kimya Bölümü, 2009 - 2013

Academic and Administrative Experience

Coordinator of The Rectorate, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Kimya Bölümü, 2020 - Continues

Head of Department, Recep Tayyip Erdogan University, Rektörlük, Beden Eğitimi ve Spor, 2017 - Continues

Director of the Center, Recep Tayyip Erdogan University, 2015 - Continues

Courses

Dönem Projesi, Undergraduate, 2020 - 2021

Spektroskopik Analize Giriş, Undergraduate, 2019 - 2020

Organometalik Kimya, Doctorate, 2019 - 2020

İleri Yüze Analiz Teknikleri, Doctorate, 2019 - 2020

Metaller Kimyası, Undergraduate, 2020 - 2021

Mühendislik Kimyası, Undergraduate, 2020 - 2021

Seminer, Postgraduate, 2017 - 2018

Spektroskopik Analize Giriş, Undergraduate, 2017 - 2018

Magneto Kimya, Postgraduate, 2017 - 2018, 2016 - 2017

IR Spektroskopisi, Postgraduate, 2017 - 2018

Tekstil ve Boyar Maddeler Kimyası, Undergraduate, 2017 - 2018

İleri Anorganik Kimya I, Postgraduate, 2017 - 2018, 2016 - 2017

Bitirme Çalışması, Undergraduate, 2016 - 2017

Kütle Spektroskopisi, Postgraduate, 2017 - 2018, 2016 - 2017

Anorganik Kimya Laboratuvarı II, Undergraduate, 2017 - 2018, 2016 - 2017

Metaller Kimyası, Undergraduate, 2016 - 2017

Makrosiklik Yapı ve Reaksiyonları, Doctorate, 2016 - 2017

Ametaller Kimyası, Postgraduate, 2015 - 2016

Magnetokimya, Postgraduate, 2015 - 2016

Kütle Spektroskopisi, Postgraduate, 2015 - 2016, 2014 - 2015

Advising Theses

Akçay H. T. , Yeni periferel tip ftalosiyanimle katkılandırılmış ZnO partiküllerin sentezi karakterizasyonu ve fotokatalitik özelliklerinin incelenmesi, Postgraduate, H.TURAN(Student), 2019

Jury Memberships

Post Graduate, Yüksek Lisans Tez Jüriliği, Recep Tayyip Erdoğan Üniversitesi, July, 2015

Published journal articles indexed by SCI, SSCI, and AHCI

- Sucrose-based activated carbon foams as an electrode active material for supercapacitors**
ÖZÇİFÇİ Z., Ozsanli M. A. , AKÇAY H. T. , Yumak T.
JOURNAL OF POROUS MATERIALS, 2022 (SCI-Expanded)
- Novel peripheral and non-peripheral oxobenzo[d]thiazol substituted cobalt phthalocyanines: Synthesis, electrochemistry, spectroelectrochemistry, electrocatalytic hydrogen production in alkaline medium**
Akyuz D., ÖZÇİFÇİ Z., MENTEŞE E., AKÇAY H. T.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.924, 2022 (SCI-Expanded)

- III. **Catalytic activity of palladium doped activated carbon from waste coffee on some environmental pollutants**
KARAOĞLU K., ÖZÇİFÇİ Z., Caliskan M., BARAN T., AKÇAY H. T.
MATERIALS CHEMISTRY AND PHYSICS, vol.282, 2022 (SCI-Expanded)
- IV. **Synthesis, characterization, photophysical and photochemical properties of peripherally tetra-1,2,4-triazol-3-ylthio substituted metal-free phthalocyanine and its zinc(II) and lead(II) derivatives**
DEMİRBAŞ Ü., Yanik H., AKÇAY H. T. , DURMUŞ M., BEKİRCAN O., KANTEKİN H.
JOURNAL OF COORDINATION CHEMISTRY, vol.75, pp.448-456, 2022 (SCI-Expanded)
- V. **Metallo-phthalocyanines containing triazole substituents: Synthesis, spectroscopic and photophysicochemical properties**
DEMİRBAŞ Ü., Ozturk D., AKÇAY H. T. , DURMUŞ M., MENTEŞE E., KANTEKİN H.
JOURNAL OF COORDINATION CHEMISTRY, vol.75, pp.629-636, 2022 (SCI-Expanded)
- VI. **Mesoporous chromium oxide doped palladium catalysis for cyanation reaction of some aryl halides**
KARAOĞLU K., AKÇAY H. T. , ÖZÇİFÇİ Z., Caliskan M., BARAN T.
CERAMICS INTERNATIONAL, vol.47, no.19, pp.27816-27821, 2021 (SCI-Expanded)
- VII. **Synthesis, electrochemical and in-situ spectroelectrochemical properties of 1,2,4 triazole containing metallo-phthalocyanines**
Akyuz D., DEMİRBAŞ Ü., KOCA A., AKÇAY H. T. , MENTEŞE E., KANTEKİN H.
JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY, vol.99, pp.99-108, 2021 (SCI-Expanded)
- VIII. **Synthesis, characterization, photophysical and photochemical properties of peripherally tetra benzodioxane substituted metal-free phthalocyanine and its zinc(II) and magnesium(II) derivatives**
DEMİRBAŞ Ü., Omeroglu I., AKÇAY H. T. , DURMUŞ M., KANTEKİN H.
JOURNAL OF MOLECULAR STRUCTURE, vol.1223, 2021 (SCI-Expanded)
- IX. **Synthesis, Characterization and Investigation of Electrochemical and Spectroelectrochemical Properties of Peripherally Tetra Diethoxypropan Substituted Phthalocyanines**
Akyuz D., AKÇAY H. T. , BAYRAK R.
ELECTROANALYSIS, vol.33, no.1, pp.146-151, 2021 (SCI-Expanded)
- X. **The determination of molecular dynamic properties of Novel 5-oxo-1,2,4-triazole phthalocyanines and investigation of their urease inhibition properties**
KAYA M., MENTEŞE E., Sokmen B. B. , AKÇAY H. T.
JOURNAL OF MOLECULAR STRUCTURE, vol.1222, 2020 (SCI-Expanded)
- XI. **The novel Zn(II) phthalocyanines: Synthesis, characterization, photochemical, DNA interaction and cytotoxic/phototoxic properties**
Barut B., Yalçın C. Ö. , Demirbaş Ü., Akçay H. T. , Kantekin H., Özel A.
JOURNAL OF MOLECULAR STRUCTURE, vol.1218, 2020 (SCI-Expanded)
- XII. **Electrochemistry of novel tetra peripherally and non-peripherally substituted phthalocyanines bearing morpholine groups**
Akyuz D., DEMİRBAŞ Ü., AKÇAY H. T. , KOCA A., KANTEKİN H.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.924, 2020 (SCI-Expanded)
- XIII. **Synthesis, characterization and electrochemistry of 1-phenoxypropan-2-yloxy substituted phthalocyanines**
Akyuz D., DEMİRBAŞ Ü., AKÇAY H. T.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.923, 2020 (SCI-Expanded)
- XIV. **Electrochemistry of Novel Phthalocyanines Bearing 1,2,4 Triazole Groups**
Akyuz D., DEMİRBAŞ Ü., AKÇAY H. T. , MENTEŞE E., KOCA A., KANTEKİN H.
ELECTROANALYSIS, vol.32, no.7, pp.1433-1438, 2020 (SCI-Expanded)
- XV. **Novel phthalocyanines bearing 1,2,4 triazole substituents: Synthesis, characterization, photophysical and photochemical properties**
DEMİRBAŞ Ü., Ozcifici Z., Akçay H. T. , MENTEŞE E.
POLYHEDRON, vol.181, 2020 (SCI-Expanded)
- XVI. **Synthesis and spectroscopic characterization of novel methoxy bridged benzimidazolyl-substituted**

phthalocyanines as potent inhibitors of urease

Akcay H. T. , Mentese E., Sokmen B. B.

SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.228, 2020 (SCI-Expanded)

- XVII. **Photophysical and photochemical study on novel axially chalcone substituted silicon (IV) phthalocyanines**
KAHRİMAN N., ÜNVER Y., Akcay H. T. , Gulmez A. D. , DURMUŞ M., DEĞİRMENCİOĞLU İ.
JOURNAL OF MOLECULAR STRUCTURE, vol.1200, 2020 (SCI-Expanded)
- XVIII. **Non-peripherally tetra substituted phthalocyanines bearing benzodioxane moieties: Synthesis, characterization and investigation of electrochemical and spectroelectrochemical properties**
DEMİRBAŞ Ü., Akyuz D., Akcay H. T. , KOCA A., KANTEKİN H.
JOURNAL OF MOLECULAR STRUCTURE, vol.1189, pp.234-239, 2019 (SCI-Expanded)
- XIX. **A Novel Highly Porous Cellulosic Aerogel Regenerated by Solvent Exchange Mechanism**
KAYA M., DEMİR A., AKÇAY H. T.
JOURNAL OF POLYMERS AND THE ENVIRONMENT, vol.27, no.8, pp.1801-1806, 2019 (SCI-Expanded)
- XX. **Novel triazole substituted phthalocyanines showing high singlet oxygen quantum yields**
DEMİRBAŞ Ü., Bayrak R., DİLBER G., MENTESE E., Akcay H. T.
JOURNAL OF LUMINESCENCE, vol.206, pp.199-204, 2019 (SCI-Expanded)
- XXI. **Non-peripherally tetra substituted lead(II), nickel(II) and copper(II) phthalocyanines bearing [1,2,3] triazole moieties: Synthesis, characterization and investigation of electrochemical and spectroelectrochemical properties**
DEMİRBAŞ Ü., Akyuz D., Akcay H. T. , KOCA A., KANTEKİN H.
JOURNAL OF MOLECULAR STRUCTURE, vol.1176, pp.695-702, 2019 (SCI-Expanded)
- XXII. **Novel 1,2,4-triazole substituted metallo-phthalocyanines: Synthesis, characterization and investigation of electrochemical and spectroelectrochemical properties**
DEMİRBAŞ Ü., Akyuz D., AKÇAY H. T. , KOCA A., Mentese E., KANTEKİN H.
JOURNAL OF MOLECULAR STRUCTURE, vol.1173, pp.205-212, 2018 (SCI-Expanded)
- XXIII. **Synthesis of some new Methoxy Bridged Benzimidazolyl-Substituted phthalocyanines as potent inhibitors of urease**
DEMİRBAŞ Ü., Mentese E., Sokmen B. B. , Bayrak R., AKÇAY H. T.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.873, pp.86-90, 2018 (SCI-Expanded)
- XXIV. **Crystal Structure of 4-[(4-Ethyl-5-Phenyl-4H-1,2,4-Triazol-3-yl)Sulfanyl]Phthalonitrile**
Ustabas R., Coruh U., Akcay H. T. , Mentese E., VAZQUEZ-LOPEZ E. M.
JOURNAL OF STRUCTURAL CHEMISTRY, vol.59, no.5, pp.1205-1209, 2018 (SCI-Expanded)
- XXV. **Electrochemical and spectroelectrochemical study on novel non-peripherally tetra 1,2,4-triazole substituted phthalocyanines**
DEMİRBAŞ Ü., Akyuz D., Akcay H. T. , KOCA A., BEKİRCAN O., KANTEKİN H.
JOURNAL OF MOLECULAR STRUCTURE, vol.1155, pp.380-388, 2018 (SCI-Expanded)
- XXVI. **Photophysical and photochemical study on the tetra 4-isopropylbenzyloxy substituted phthalocyanines**
Yalcin I., Yanik H., Akcay H. T. , DEĞİRMENCİOĞLU İ., Durmus M.
JOURNAL OF LUMINESCENCE, vol.192, pp.739-744, 2017 (SCI-Expanded)
- XXVII. **Synthesis, characterization and investigation of electrochemical and spectroelectrochemical properties of non-peripherally tetra-5-methyl-1,3,4-thiadiazole substituted copper(II) iron(II) and oxo-titanium (IV) phthalocyanines**
DEMİRBAŞ Ü., Akyuz D., Akcay H. T. , Barut B., KOCA A., KANTEKİN H.
JOURNAL OF MOLECULAR STRUCTURE, vol.1144, pp.112-119, 2017 (SCI-Expanded)
- XXVIII. **Synthesis, characterization and investigation of electrochemical and spectroelectrochemical properties of peripherally tetra 4-phenylthiazole-2-thiol substituted metal-free, zinc(II), copper(II) and cobalt(II) phthalocyanines**
DEMİRBAŞ Ü., AKÇAY H. T. , KOCA A., KANTEKİN H.

- JOURNAL OF MOLECULAR STRUCTURE, vol.1141, pp.643-649, 2017 (SCI-Expanded)
- XXIX. **Detection of Fe²⁺ in acetonitrile/water mixture by new 8-hydroxyquinolin based sensor through metal displacement mechanism**
KARAOĞLU K., Akcay H. T. , Yılmaz İ.
JOURNAL OF MOLECULAR STRUCTURE, vol.1133, pp.492-498, 2017 (SCI-Expanded)
- XXX. **A spectroscopic study on new phthalonitrile derivative and its computational background: 4-[(4,5-Diphenyl-4H-1,2,4-triazol-3-yl)sulfanyl]benzene-phthalonitrile**
Akcay H. T. , Coruh U., Bayrak R., MENTESE E., Vazquez Lopez E. M.
JOURNAL OF MOLECULAR STRUCTURE, vol.1127, pp.539-548, 2017 (SCI-Expanded)
- XXXI. **Synthesis, characterisation, photophysical and photochemical properties of free-base tetra-(5-chloro-2-(2,4-dichlorophenoxy) phenoxy)phthalocyanine and respective zinc(II) and lead(II) complexes**
DEMİRBAŞ Ü., PİŞKİN M., Akcay H. T. , Barut B., Durmus M., KANTEKİN H.
SYNTHETIC METALS, vol.223, pp.166-171, 2017 (SCI-Expanded)
- XXXII. **Substituted phthalocyanines and their electropolymerization properties**
Bayrak R., AKÇAY H. T. , BIYIKLIOĞLU Z., DEĞİRMENCİOĞLU İ.
SYNTHETIC METALS, vol.220, pp.643-652, 2016 (SCI-Expanded)
- XXXIII. **Synthesis, characterization, electrochemical and spectroelectrochemical properties of novel peripherally tetra-1,2,4-triazole substituted phthalocyanines**
DEMİRBAŞ Ü., Kobak R. Z. U. , Akcay H. T. , Unluer D., KOCA A., ÇELİK F., KANTEKİN H.
SYNTHETIC METALS, vol.215, pp.68-76, 2016 (SCI-Expanded)
- XXXIV. **The electrochemical and spectroelectrochemical properties of metal free and metallophthalocyanines containing triazole/piperazine units**
DEMİRBAŞ Ü., Akyuz D., Mermer A., Akcay H. T. , DEMİRBAŞ N., KOCA A., KANTEKİN H.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.153, pp.478-487, 2016 (SCI-Expanded)
- XXXV. **EXPERIMENTAL AND THEORETICAL STUDIES OF 4-[(4-METHYL-5-PHENYL-4H1,2,4-TRIAZOL-3-YL)SULFANYL]BENZENE-1,2-DICARBONITRILE**
Coruh U., Ustabas R., Akcay H. T. , MENTESE E., VAZQUEZ LOPEZ E. M.
MACEDONIAN JOURNAL OF CHEMISTRY AND CHEMICAL ENGINEERING, vol.35, no.2, pp.169-177, 2016 (SCI-Expanded)
- XXXVI. **4-(4-((5-Amino-1,3,4-thiadiazol-2-yl)methoxy) phenyl)-1-((5-amino-1,3,4-thiadiazol-2-yl)methyl)-3-benzyl-1H-1,2,4-triazol-5(H)-one: Synthesis, Characterization and Computational Studies**
Unluer D., ÜNVER Y., Dugdu E., Akcay H. T. , SANCAK K.
LETTERS IN ORGANIC CHEMISTRY, vol.13, no.8, pp.604-617, 2016 (SCI-Expanded)
- XXXVII. **Simultaneous separation and preconcentration of Cd(II), Co(II), and Ni(II) ions in environmental samples by carrier element-free coprecipitation method prior to their flame atomic absorption spectrometric determination**
DURAN C., Ozdes D., Akcay H. T. , Serencam H., Tufekci M.
DESALINATION AND WATER TREATMENT, vol.53, no.2, pp.390-397, 2015 (SCI-Expanded)
- XXXVIII. **Synthesis, aggregation and spectroscopic studies of novel water soluble metal free, zinc, copper and magnesium phthalocyanines and investigation of their anti-bacterial properties**
Bayrak R., Akcay H. T. , BERİS F. Ş. , ŞAHİN E., BAYRAK H., DEMİRBAŞ Ü.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.133, pp.272-280, 2014 (SCI-Expanded)
- XXXIX. **Computational studies on the anastrozole and letrozole, effective chemotherapy drugs against breast cancer**
Akcay H. T. , Bayrak R.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.122, pp.142-152, 2014 (SCI-Expanded)
- XL. **Novel triazole bearing zinc(II) and magnesium(II) metallo-phthalocyanines: Synthesis,**

characterization, photophysical and photochemical properties

Akcay H. T. , Piskin M., DEMİRBAŞ Ü., Bayrak R., Durmus M., Mentese E., KANTEKİN H.

JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.745, pp.379-386, 2013 (SCI-Expanded)

- XLII. **Experimental and computational studies on 4-[(3,5-dimethyl-1H-pyrazol-1-yl)methoxy]phthalonitrile and synthesis and spectroscopic characterization of its novel phthalocyanine magnesium(II) and tin(II) metal complexes**
Akcay H. T. , Bayrak R., ŞAHİN E., Karaoglu K., DEMİRBAŞ Ü.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.114, pp.531-540, 2013 (SCI-Expanded)
- XLIII. **Synthesis, characterization and electrical properties of peripherally tetra-aldazine substituted novel metal free phthalocyanine and its zinc(II) and nickel(II) complexes**
Bayrak R., DUMLUDAĞ F., Akcay H. T. , DEĞİRMENCİOĞLU İ.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.105, pp.550-556, 2013 (SCI-Expanded)
- XLIV. **Synthesis, electrochemical and spectroelectrochemical properties of peripherally tetra-imidazole substituted metal free and metallophthalocyanines**
Akcay H. T. , Bayrak R., DEMİRBAŞ Ü., KOCA A., KANTEKİN H., DEĞİRMENCİOĞLU İ.
DYES AND PIGMENTS, vol.96, no.2, pp.483-494, 2013 (SCI-Expanded)
- XLV. **Synthesis, photophysical and photochemical properties of novel tetra substituted metal free and metallophthalocyanines bearing triazine units**
DEMİRBAŞ Ü., Bayrak R., Piskin M., Akcay H. T. , Durmus M., KANTEKİN H.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.724, pp.225-234, 2013 (SCI-Expanded)
- XLVI. **Azine-bridged binuclear metallophthalocyanines functioning photophysical and photochemical-responsive**
Bayrak R., Akcay H. T. , Piskin M., Durmus M., DEĞİRMENCİOĞLU İ.
DYES AND PIGMENTS, vol.95, no.2, pp.330-337, 2012 (SCI-Expanded)
- XLVII. **Synthesis, characterization and spectroscopic studies of novel peripherally tetra-imidazole substituted phthalocyanine and its metal complexes, the computational and experimental studies of the novel phthalonitrile derivative**
Akcay H. T. , Bayrak R., KARSLIOĞLU S., ŞAHİN E.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.713, pp.1-10, 2012 (SCI-Expanded)
- XLVIII. **Optimization process for biodiesel production from some Turkish vegetable oils and determination fuel properties**
Akcay H. T. , KARSLIOĞLU S.
ENERGY EDUCATION SCIENCE AND TECHNOLOGY PART A-ENERGY SCIENCE AND RESEARCH, vol.28, no.2, pp.861-868, 2012 (SCI-Expanded)
- XLIX. **Synthesis, photophysical and photochemical properties of highly soluble phthalocyanines substituted with four 3,5-dimethylpyrazole-1-methoxy groups**
Bayrak R., AKÇAY H. T. , Durmus M., DEĞİRMENCİOĞLU İ.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.696, no.23, pp.3807-3815, 2011 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

- I. **EFFECT OF BENZIL ADDITION ON THE MAGNETIC LEVITATION FORCE OF MgB₂ SUPERCONDUCTORS**
ABDİOĞLU M., GÜNER S. B. , ÖZTÜRK U. K. , ÇELİK Ş., AKÇAY H. T.
7th International Conference on Superconductivity and Magnetism (ICSM2021), Turkey, 21 October 2021
- II. **Photophysical and Photochemical Properties of Novel Silicon (IV) Phthalocyanine-Chalcone Hybrid Compound**
KAHRİMAN N., ÜNVER Y., DEĞİRMENCİOĞLU İ., AKÇAY H. T. , DURMUŞ M., GÜLMEZ A. D.
INTERNATIONAL EUROASIAN CONFERENCE ON BIOLOGICAL AND CHEMICAL SCIENCES, Ankara, Turkey, 26 - 27

April 2018, pp.1151

- III. **Synthesis of New Axially Chalcone Substituted Silicon (IV) Phthalocyanine and Investigation of Photophysical and Photochemical Properties**
KAHRİMAN N., ÜNVER Y., DEĞİRMENCİOĞLU İ., SERDAROĞLU V., AKÇAY H. T. , DURMUŞ M.
INTERNATIONAL EUROASIAN CONFERENCE ON BIOLOGICAL AND CHEMICAL SCIENCE, Ankara, Turkey, 26 - 27 April 2018, pp.645
- IV. **Novel triazole bearing zinc(II) and magnesium(II) metallophthalocyanines: Synthesis, characterization, photophysical and photochemical properties** Hakkı Türker Akçay¹, Mehmet Pişkin², Ümit Demirbaş³, Rıza Bayrak³, Mahmut Durmuş⁴, Emre Menteşe¹, Halit Kantekin³
AKÇAY H. T. , PİŞKİN M., DEMİRBAŞ Ü., BAYRAK R., DURMUŞ M., MENTEŞE E., KANTEKİN H.
IVEK 3rd International Convention of Pharmaceuticals and Pharmacies, İstanbul, Turkey, 26 - 29 April 2017, vol.1, pp.768-769
- V. **Synthesis, aggregation and spectroscopic studies of novel water soluble metal free, zinc, copper and magnesium phthalocyanines and investigation of their anti-bacterial properties**
AKÇAY H. T. , BAYRAK R., DEMİRBAŞ Ü., BERİŞ F. Ş. , BAYRAK H., ŞAHİN E.
3. ULUSLARARASI İLAÇ VE ECZACILIK KONGRESİ, İstanbul, Turkey, 26 - 29 April 2017
- VI. **Novel triazole bearing zinc(II) and magnesium(II) metallophthalocyanines: Synthesis, characterization, photophysical and photochemical properties**
AKÇAY H. T. , PİŞKİN M., DEMİRBAŞ Ü., BAYRAK R., DURMUŞ M., MENTEŞE E., KANTEKİN H.
3. Uluslararası İlaç ve Eczacılık Kongresi, İstanbul, Turkey, 26 - 29 April 2017, pp.768
- VII. **Novel triazole bearing zinc(II) and magnesium(II) metallophthalocyanines: Synthesis, characterization, photophysical and photochemical properties**
AKÇAY H. T. , PİŞKİN M., DEMİRBAŞ Ü., BAYRAK R., DURMUŞ M., MENTEŞE E., KANTEKİN H.
3. Uluslararası İlaç ve Eczacılık Kongresi, İstanbul, Turkey, 26 - 29 April 2017, pp.768
- VIII. **Synthesis, aggregation and spectroscopic studies of novel water soluble metal free, zinc, copper and magnesium phthalocyanines and investigation of their anti-bacterial properties**
AKÇAY H. T. , BAYRAK R., DEMİRBAŞ Ü., BERİŞ F. Ş. , BAYRAK H., ŞAHİN E.
IVEK 3rd International Convention of Pharmaceutical and Pharmacies, İstanbul, Turkey, 26 - 29 April 2017, vol.1, no.1, pp.782
- IX. **Synthesis, photophysical and photochemical properties of novel tetra substituted metal free and metallophthalocyanines bearing triazine units**
BAYRAK R., DEMİRBAŞ Ü., AKÇAY H. T. , PİŞKİN M., DURMUŞ M., KANTEKİN H.
IVEK- 3. Uluslararası İlaç ve Eczacılık Kongresi, İstanbul, Turkey, 26 - 29 April 2017, pp.767
- X. **Synthesis, aggregation and spectroscopic studies of novel water soluble metal free, zinc, copper and magnesium phthalocyanines and investigation of their anti-bacterial properties**
AKÇAY H. T. , BAYRAK R., DEMİRBAŞ Ü., BERİŞ F. Ş. , BAYRAK H., ŞAHİN E.
IVEK 3rd International Convention of Pharmaceutical and Pharmacies, İstanbul, Turkey, 26 - 29 April 2017, vol.1, no.1, pp.782
- XI. **DNA Binding and DNA Photocleavage Studies of Photosensitive, Water-Soluble Phthalocyanine Compound**
FAİZ Ö., AKÇAY H. T. , BAYRAK R., DEMİRBAŞ Ü.
II.International Turkic World Conference on Chemical Sciences and Technologies, Üsküp, Macedonia, 26 - 30 October 2016, pp.127
- XII. **DNA Binding and DNA Photocleavage Studies of Photosensitive Water Soluble Phthalocyanine Compounds**
FAİZ Ö., AKÇAY H. T. , BAYRAK R., DEMİRBAŞ Ü.
II.International Turkic World Conference on Chemical Sciences and Technologies, Üsküp, Macedonia, 26 - 30 October 2016
- XIII. **DNA Binding and DNA Photocleavage Studies of Photosensitive, Water-Soluble Phthalocyanine Compound**
FAİZ Ö., AKÇAY H. T. , BAYRAK R., DEMİRBAŞ Ü.

II.International Turkic World Conference on Chemical Sciences and Technologies, Üsküp, Macedonia, 26 - 30 October 2016, pp.127

- XIV. **1,2 BİS(2-TOSİL ETOKSİ) BENZEN İLE Cd(II), Co(II) VE Ni(II) İYONLARININ SULU ÇÖZELTİLERDEN TAŞIYICI ELEMENT İLAVESİZ BİRLİKTE ÇÖKTÜRME YÖNTEMİYLE AYRILMASI VE ZENGİNLEŞTİRİLMESİ**
DURAN C., OZDES D., AKÇAY H. T. , TUFEKCI M.
, VI. Ulusal Analitik Kimya Kongresi, Hatay, Turkey, 3 - 07 September 2012, pp.231
- XV. **TETRA 3,5-DİMETİLPİRAZOL SÜBSTİTÜENTLİ METALLİ ve METALSİZ FTALOSİYANİNLERİN SENTEZİ ve KARAKTERİZASYONU**
BAYRAK R., AKÇAY H. T. , DEGIRMENCIOGLU I.
3. Anorganik Kimya Kongresi konferansı dahilinde "ULUSAL ANORGANİK KİMYA KONGRESİ, Çanakkale, Turkey, 19 - 22 May 2011, pp.246
- XVI. **TETRA 2,4,5 TRİFENİL İMİDAZOL SÜBSTİTÜENTLİ METALLİ VE METALSİZ FTALOSİYANİNLERİN SENTEZİ, KARAKTERİZASYONU ve SPEKTRAL ÖZELLİKLERİNİN İNCELENMESİ**
AKÇAY H. T. , BAYRAK R., KARSLIOGLU S.
3. Anorganik Kimya Kongresi, Çanakkale, Turkey, 19 - 22 May 2011, pp.138

Supported Projects

FAİZ Ö., AKÇAY H. T. , KAYA M., KELEŞ T., Project Supported by Higher Education Institutions, Rize İlinde Yetiştirilen Çay Ürünü Ekstraktlarından Kozmetik Ürünlerin Hazırlanması, 2020 - Continues

AKÇAY H. T. , ÖZÇİFÇİ Z., YUMAK T., ÖZŞANLI M. A. , Project Supported by Higher Education Institutions, Sukroz temelli mikro gözenekli aktif karbon eldesi ve prototip süperkapasitör olarak hazırlanması, 2020 - 2022

AKÇAY H. T. , MENTEŞE E., KAYA M., Project Supported by Higher Education Institutions, 4(3-methyl-5-okso-4-(4phenoxyphenyl)-4,5-dihydro-1H-1,2,4 triazol-1-il ftalosiyanın komplekslerinin sentezi ve Fotofiziksel Özelliklerinin ve enzim inhibisyon aktivitelerinin araştırılması, 2019 - 2020

Akçay H. T. , Yüzüak E., Karaoğlu K., TUBITAK Project, Tetrafenilimidazol Grubu Taşıyan Yeni Periferel Çinko Ftalosiyanın Hazırlanan Hibrit Zn Malzemelerin Foto-Bozundurma Veriminin Araştırılması, 2017 - 2019

AKÇAY H. T. , MENTEŞE E., Project Supported by Higher Education Institutions, N-substitüe eter köprülü imidazol içeren yeni ftalosiyanın komplekslerinin sentezi, glikozidaz ve üreaz aktivitelerinin incelenmesi, 2017 - 2018

AKÇAY H. T. , KAYA M., TOKÇALAR S., KARAOĞLU K., Project Supported by Higher Education Institutions, Çeşitli organik polimerlerin elektrosin yöntemi ile nanolif üretim koşullarının optimizasyonu, 2017 - 2017

AKÇAY H. T. , ŞİRİN M., TOKÇALAR S., DEMİR A., BAYAZIT T., Project Supported by Higher Education Institutions, Çeşitli Organik ve İnorganik Bileşiklerin, Doğal Ürünlerin Spektroskopik İncelenmesi, 2014 - 2017

AKÇAY H. T. , HEKİMOĞLU A. P. , Project Supported by Other Official Institutions, Korozyon İnceleme ve Araştırma Laboratuvarı Kurulması, 2016 - 2016

AKÇAY H. T. , DİLBER G., Project Supported by Higher Education Institutions, Triazol Grubu Taşıyan Yeni Periferel Tip Zn(II) Ftalosiyanın Metal Komplekslerinin Sentezi Karakterizasyonu, Spektroskopik Özelliklerinin İncelenmesi, 2014 - 2016

Scientific Refereeing

Journal of Industrial and Engineering Chemistry, SCI Journal, February 2017

Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, SCI Journal, February 2017

Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry, SCI Journal, December 2015

Spectroscopy Letters, SCI Journal, October 2015

Journal of the Serbian Chemical Society, SCI Journal, February 2015

Journal of the Serbian Chemical Society, SCI Journal, December 2014

Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, SCI Journal, May 2014

Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, SCI Journal, January 2014
Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy, SCI Journal, November 2013
Spectroscopy Letters, SCI Journal, April 2013
Spectroscopy Letters, SCI Journal, January 2013

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Non Academic Experience

Business Establishment Private, Akçay Kimya Sanayii Medikal Ltd. Şti.