

Assoc. Prof. Gülşah GÜMRÜKÇÜ KÖSE

Personal Information

Fax Phone: [+90 212 383 4134](tel:+902123834134)

Email: ggumruk@yildiz.edu.tr

Web: <https://avesis.yildiz.edu.tr/ggumruk>

Address: Yıldız Teknik Üniversitesi, Davutpaşa Kampüsü Fen-Edebiyat Fakültesi, Kimya Bölümü, Anorganik Kimya 34220 Esenler / İstanbul

Education Information

Doctorate, Yıldız Teknik Üniversitesi, Fen Edebiyat Fakültesi, Kimya/ Anorganik Kimya, Turkey 2004 - 2010

Post Graduate, Yıldız Teknik Üniversitesi, Fen Edebiyat Fakültesi, Kimya/ Anorganik Kimya, Turkey 2001 - 2003

Under Graduate, Trakya Üniversitesi, Fen Edebiyat Fakültesi, Kimya Bölümü, Turkey 1994 - 1998

Dissertations

Doctorate, Yeni Mono ve Bis Ftalosiyanimlerin Sentezi ve Özelliklerinin İncelenmesi, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Kimya/ Anorganik Kimya, 2010

Post Graduate, Kırmızı Soğan Kabuğundan Ekstrakte Edilen Antosiyanin ile Yünlü Kumaşların Boyanması, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Kimya Bölümü/ Anorganik Kimya, 2003

Research Areas

Chemistry, Inorganic Chemistry, Transition Metals, Inorganic Ring Compounds, Coordination Chemistry, Organometallic Chemistry, Novel Ligands, Natural Sciences

Academic Titles / Tasks

Associate Professor, Yıldız Technical University, Faculty Of Arts & Science, Department Of Chemistry, 2014 - Continues

Research Assistant PhD, Yıldız Technical University, Faculty Of Arts & Science, Department Of Chemistry, 2010 - 2011

Research Assistant, Yıldız Technical University, Faculty Of Arts & Science, Department Of Chemistry, 2002 - 2010

Courses

Genel Kimya, Under Graduate, 2014 - 2015, 2019 - 2020, 2020 - 2021

Deterjanlar, Under Graduate, 2015 - 2016, 2019 - 2020

Genel Kimya 2, Under Graduate, 2014 - 2015, 2017 - 2018, 2018 - 2019, 2019 - 2020

Kozmetik Kimyası ve Üretimi, Under Graduate, 2020 - 2021

Genel Kimya 1, Under Graduate, 2014 - 2015, 2017 - 2018, 2018 - 2019, 2019 - 2020, 2020 - 2021

Kozmetik Kimyası ve Üretimi, Under Graduate, 2019 - 2020

İleri Anorganik Kimya, Post Graduate, 2019 - 2020

Anorganik Kimya 2, Under Graduate, 2018 - 2019

Anorganik Kimya 1, Under Graduate, 2018 - 2019

Ftalosiyanimler ve Uygulamaları, Post Graduate, 2016 - 2017, 2018 - 2019
Organometalik Bileşikler Kimyası, Post Graduate, 2016 - 2017
Anorganik Kimya 2, Under Graduate, 2015 - 2016, 2016 - 2017
Kozmetik Kimyası Ve Üretimi , Under Graduate, 2016 - 2017, 2017 - 2018
Anorganik Kimya 1 , Under Graduate, 2016 - 2017
Anorganik Kimya Laboratuvarı 1, Under Graduate, 2015 - 2016
Makrosiklik Bileşikler Kimyası, Post Graduate, 2014 - 2015

Advising Theses

Gümrükçü Köse G., Avciata O., FOTOKATALİZÖR ÖZELLİK GÖSTEREN YENİ FTALOSİYANİN- TİTANYUMDİOKSİT NANOKOMPOZİTLER, Doctorate, S.Neccaroğlu(Student), 2019

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

- I. **Synthesis of New Zinc Phthalocyanines Including Schiff base and Halogen; Photophysical, Photochemical, and Fluorescence Quenching Studies**
Yüzeroğlu M., Keser Karaoğlu G., Gümrükçü Köse G., Erdoğmuş A.
JOURNAL OF MOLECULAR STRUCTURE, vol.1, no.1, pp.1-33, 2021 (Journal Indexed in SCI)
- II. **The Synthesis, Characterization, Electrochemical and Spectroelectrochemical Properties of Novel Unsymmetrical Phthalocyanines Containing Naphthoic Acid and Di-tert-butylphenoxy Groups**
Gümrükçü Köse G., Keser Karaoğlu G., Isik S. N. , Akyuz D., Koca A.
SYNTHETIC METALS, vol.264, 2020 (Journal Indexed in SCI)
- III. **Synthesis, characterization and ethanol sensing properties of carboxylic acid-terminated naphthoxy substituted phthalocyanines**
ISIK S. N. , KARAOĞLAN G., OMUR B., ALTINDAL A., KOSE G.
SYNTHETIC METALS, vol.246, pp.7-15, 2018 (Journal Indexed in SCI)
- IV. **Novel carboxylic acid terminated silicon(IV) and zinc(II) phthalocyanine photosensitizers: Synthesis, photophysical and photochemical studies**
Hısır A., Kose G., Atmaca G., Erdoğmuş A., Karaoğlu G.
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.22, pp.1010-1021, 2018 (Journal Indexed in SCI)
- V. **Novel homoleptic, dimeric zinc(II) phthalocyanines as gate dielectric for OFET device**
Karaoğlu G., Gümrükçü G., GÖRDÜK S., CAN N., Gül A.
Synthetic Metals, vol.230, pp.7-11, 2017 (Journal Indexed in SCI)
- VI. **Synthesis, characterization, fluorescence spectra and energy transfer properties of a novel unsymmetrical zinc phthalocyanine with peripherally coordinated Ru(II) complex**
Ceylan N., Gumrukcu G., Karaoğlu G., Gül A.
SYNTHETIC METALS, vol.206, pp.55-60, 2015 (Journal Indexed in SCI)
- VII. **Photophysical and photochemical properties of a zinc phthalocyanine with four diphenylborinic ester moieties**
Özçelik Ş., Karaoğlu G., Gumrukcu G., Erdoğmuş A., Gül A.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.769, pp.17-23, 2014 (Journal Indexed in SCI)
- VIII. **Photophysical, Photochemical, and BQ Quenching Properties of Zinc Phthalocyanines with Fused or Interrupted Extended Conjugation**
Gumrukcu G., Karaoğlu G., ERDOĞMUŞ A., Gül A., Avciata U.
JOURNAL OF CHEMISTRY, 2014 (Journal Indexed in SCI)
- IX. **Woolen Fabric Dyeing with Punica granatum L. Rind by Using Different Mordants**
Ozgur M., Acikgoz Z. O. , Sahinbaskan B. Y. , Gumrukcu G.
ASIAN JOURNAL OF CHEMISTRY, vol.25, no.4, pp.1956-1964, 2013 (Journal Indexed in SCI)

- X. **Structural and Surface Characterization of Newly Synthesized D-pi-D Type Schiff Base Ligand: (1E,2E)-3-[4-(Dimethylamino)phenyl]prop-2-en-1-ylidene)phenylamine**
Gumrukcu G., Garikyan S., Karaoglan G., Sakar D.
JOURNAL OF CHEMISTRY, 2013 (Journal Indexed in SCI)
- XI. **A novel phthalocyanine conjugated with four salicylideneimino complexes: Photophysics and fluorescence quenching studies**
Gumrukcu G., Karaoglan G., ERDOĞMUŞ A., Gül A., Avciata U.
DYES AND PIGMENTS, vol.95, no.2, pp.280-289, 2012 (Journal Indexed in SCI)
- XII. **A novel soluble phthalocyanine capable of binding four boronic esters**
Özçelik Ş., Karaoglan G., Gumrukcu G., Gül A.
TURKISH JOURNAL OF CHEMISTRY, vol.36, no.6, pp.899-906, 2012 (Journal Indexed in SCI)
- XIII. **Synthesis and characterization of novel soluble phthalocyanines with fused conjugated unsaturated groups**
Karaoglan G., Gumrukcu G., KOCA A., Gül A., Avciata U.
DYES AND PIGMENTS, vol.90, no.1, pp.11-20, 2011 (Journal Indexed in SCI)
- XIV. **Effect of Tannic Acid and Metal Salts on Dyeing of Woolen Fabrics with Red Onion (*Alliumcepa L.*)**
Gumrukcu G., Ozgur M.
ASIAN JOURNAL OF CHEMISTRY, vol.23, pp.1459-1466, 2011 (Journal Indexed in SCI)
- XV. **The synthesis, characterization, electrochemical and spectroelectrochemical properties of a novel, cationic, water-soluble Zn phthalocyanine with extended conjugation**
Karaoglan G., Gumrukcu G., KOCA A., Gül A.
DYES AND PIGMENTS, vol.88, no.3, pp.247-256, 2011 (Journal Indexed in SCI)
- XVI. **Synthesis and electrochemical, electrical and gas sensing properties of novel mononuclear metal-free, Zn(II), Ni(II), Co(II), Cu(II), Lu(III) and double-decker Lu(III) phthalocyanines substituted with 2-(2H-1,2,3-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl) phenoxy**
Gumrukcu G., Ozgur M., Altindal A., Özkaya A. R., Salih B., Bekaroglu O.
SYNTHETIC METALS, vol.161, pp.112-123, 2011 (Journal Indexed in SCI)
- XVII. **Extraction of anthocyanin pigments from red onion (*Alliumcepa L.*) and dyeing woolen fabrics**
Guemruekcue G., Oezguer M. U., Gueltekin C.
ASIAN JOURNAL OF CHEMISTRY, vol.20, no.4, pp.2891-2902, 2008 (Journal Indexed in SCI)
- XVIII. **DETERMINATION OF ANTHOCYANINS IN SOME VEGETABLES AND FRUITS BY DERIVATIVE SPECTROPHOTOMETRIC METHOD**
Sakar D., Karaoglan G., Gumrukcu G., Ozgur M.
REVIEWS IN ANALYTICAL CHEMISTRY, vol.27, no.4, pp.235-249, 2008 (Journal Indexed in SCI)
- XIX. **Abilities of partial least-squares (PLS-2) multivariate calibration in the analysis of quaternary mixture of food Colors (E-110, E-122, E-124, E-131)**
Keser Karaoglan G., Guemruekcue G., Oezguer M. U., Bozdogan A. E., Asci B.
ANALYTICAL LETTERS, vol.40, no.10, pp.1893-1903, 2007 (Journal Indexed in SCI)

Books & Book Chapters

- I. **DYEING PROPERTIES OF WOOLLEN FABRIC WITH QUERCETIN EXTRACTED FROM PUNICA GRANATUM L. RIND USING DIFFERENT DYEING METHOD AND MORDANT MIXTURES**
Yılmaz Şahinbaşkan B., Ögütgen Açıkgöz Z., Gümrükçü Köse G., Özgür M.
in: ITC&DC: 5TH INTERNATIONAL TEXTILE, CLOTHING & DESIGN CONFERENCE 2010, BOOK OF PROCEEDINGS: MAGIC WORLD OF TEXTILES, Sajatovic A.H., Vujasinovic E., Editor, UNIV ZAGREB, FAC TEXTILE TECH, PO BOX 818, PRILAZ BARUNA FILIPOVICA 28A, ZAGREB, HR-10 000, CROATIA, Zagreb, pp.433-438, 2010
- II. **Adsorption of Cu (II) from Aqueous Solutions by Sumac (*Rhus coriaria L.*) Tannins**
Uğur A. L., Gümrükçü Köse G., Özgür M.
in: INNOVATIONS IN CHEMICAL BIOLOGY, Sener B., Editor, SPRINGER DORDRECHT, NETHERLANDS, Dordrecht,

Refereed Congress / Symposium Publications in Proceedings

- I. **The Synthesis and Characterization of Novel Carboxylic Group Substitued Metallophthalocyanines**
GÜMRÜKÇÜ KÖSE G., Neccaroğlu Işık S., KESER KARAOĞLAN G.
20th JCF-Frühjahrssymposium Congress, Konstanz, Germany, 21 March 2018, pp.158
- II. **Synthesis and Characterization of Metallophthalocyanines Containing Carboxylic Group**
KESER KARAOĞLAN G., Hışır A., GÜMRÜKÇÜ KÖSE G.
20. Frühjahrssymposium JungChemikerForum, Konstanz, Germany, 21 March 2018, pp.181
- III. **Synthesis and characterization of a new dimeric zinc phthalocyanine**
GÜMRÜKÇÜ KÖSE G., KESER KARAOĞLAN G., GÖRDÜK S., GÜL A.
19. JCF-Frühjahrssymposium, Mainz, Germany, 29 March - 01 April 2017, pp.110
- IV. **Synthesis of A Novel Phthalocyanine With Peripherally Coordinated Ru(II) Complex**
Gümrükçü Köse G., Keser Karaoğlan G., Kemikli N., Gül A.
All in One Conferences, Dubai, United Arab Emirates, 24 - 28 March 2015, pp.78
- V. **Simultaneous Determination of Food Dyes Using Derivative Spectrophotometry**
GÜMRÜKÇÜ KÖSE G., EKEN KORKUT S., ÖZGÜR M.
3rd Black Sea basin Conference on Analytical Chemistry, Constanta, Romania, 12 September 2005, pp.143

Supported Projects

GÜMRÜKÇÜ KÖSE G., Neccaroğlu Işık S., Project Supported by Higher Education Institutions, FOTOKATALİZÖR ÖZELLİK GÖSTEREN YENİ FTALOSİYANİN TIO₂ NANOKOMPOZİTLER, 2017 - 2019

Gümrükçü Köse G., Keser Karaoğlan G., Erdoğan A., Avciata U., Project Supported by Higher Education Institutions, PERİFERAL BİSBİPİRİDİL RUTENYUM KOMPLEKSİ İÇEREN FTALOSİYANİNLER, 2015 - 2017

GÜMRÜKÇÜ KÖSE G., ERDOĞMUŞ A., AVCIATA U., KESER KARAOĞLAN G., Project Supported by Higher Education Institutions, Dimerik Ftalosiyanın Sentez ve Karakterizasyonu, 2015 - 2017

Gümrükçü Köse G., Bekaroğlu Ö., Özgür M., Project Supported by Higher Education Institutions, Yeni Bis Ftalosiyanın ve Lutesyum Komplekslerinin Sentezi ve Özelliklerinin İncelenmesi, 2007 - 2011

Citations

Total Citations (WOS):269

h-index (WOS):9