

# Prof. Ali ERDOĞMUŞ

## Personal Information

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## Education Information

Post Doctorate, Friedrich-Alexander-Universitaet Erlangen-Nürnberg, Faculty Of Science, Department Of Chemistry And Pharmacy, Germany 2014 - 2015

Post Doctorate, Faculty Of Chemistry And Pharmacy, Chemistry, South Africa 2008 - 2009

Doctorate, Yıldız Teknik Üniversitesi, Graduate School of Natural and Applied Sciences, Kimya, Turkey 2001 - 2007

Post Graduate, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Polymer Science And Technology, Turkey 1999 - 2001

Under Graduate, Ondokuz Mayıs Üniversitesi, Fen Edebiyat, Kimya, Turkey 1993 - 1997

## Research Areas

Chemistry, Inorganic Chemistry, Photochemistry of Inorganic Molecules, Coordination Chemistry, Natural Sciences

## Academic Titles / Tasks

Professor, Yıldız Teknik Üniversitesi, Fen Edebiyat Fakültesi, Kimya, 2018 - Continues

Associate Professor, Yıldız Teknik Üniversitesi, Fen Edebiyat Fakültesi, Kimya, 2011 - 2018

Research Assistant PhD, Yıldız Teknik Üniversitesi, Fen Edebiyat Fakültesi, Kimya, 2000 - 2011

## Professional Experience

Head of Department, Yıldız Technical University, Faculty of Arts & Science, Department of Chemistry, 2019 - Continues

Bölüm Akademik Teşvik Değerlendirme Komisyonu Üyesi, Yıldız Technical University, Faculty of Arts & Science, Department of Chemistry, 2017 - Continues

Fakülte Yönetim Kurulu Üyesi, Yıldız Technical University, Faculty of Arts & Science, Department of Chemistry, 2012 - 2014

Fakülte Kurulu Üyesi, Yıldız Technical University, Faculty of Arts & Science, Department of Chemistry, 2012 - 2014

Vice Dean, Yıldız Teknik Üniversitesi, Fen Edebiyat Fakültesi, 2011 - 2014

Araştırma Görevlisi Fakülte Temsilcisi, Yıldız Technical University, Faculty of Arts & Science, Department of Chemistry, 2006 - 2008

## Courses

Occupational Health and Safety 1, Under Graduate, 2018 - 2019

## Advising Theses

Erdoğan A., YENİ TİP METALLİ FTALOSİYANİNLERİN SENTEZİ, FOTOFİZİKSEL VE FOTOKİMYASAL ÖZELLİKLERİNİN İNCELENMESİ, Post Graduate, N.KOCAĞA(Student), Continues

ERDOĞMUŞ A., PERİFAL KONUMDA OKTAMERKAPTOKİNOLİN TAŞIYAN FTALOSİYANİNLERİN SENTEZİ, KARAKTERİZASYONU VE ÖZELLİKLERİNİN İNCELENMESİ, Post Graduate, N.ADAM(Student), 2016

ERDOĞMUŞ A., Yeni Ftalosiyanın Bileşiklerinin Sentezi, Fotofiziksel Fotokimyasal ve Elektrokimyasal Özelliklerinin

İncelenmesi, Doctorate, G.YAŞA(Student), 2016

ERDOĞMUŞ A., Yeni Ftalosiyanınleri Sentezi Karakterizasyon ve Fotofizikokimyasal Özellikleri, Doctorate, Ö.DÜLGER(Student), 2016

ERDOĞMUŞ A., Karboksilik Asit Uçlu Yeni Ftalosiyanın Bileşikleri Sentezi ve Fotokimyasal Özelliklerinin İncelenmesi, Post Graduate, Ö.TAYFUROĞLU(Student), 2016

ERDOĞMUŞ A., Yeni Tip Ftalosiyanın Bileşiklerinin Sentezi ve Fotodinamik Terapi Özelliklerinin İncelenmesi, Doctorate, E.KIRBAÇ(Student), 2016

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

- **Synthesis, characterization, photo-physicochemical and biological properties of water-soluble tetra-substituted phthalocyanines: Antidiabetic, anticancer and anticholinergic potentials**  
GÜNSEL A., YAŞA ATMACA G., Taslimi P., BİLGİÇLİ A. T. , GÜLÇİN İ., ERDOĞMUŞ A., YARAŞIR M. N.  
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.396, 2020 (Journal Indexed in SCI)
- **New non-peripherally substituted zinc phthalocyanines; synthesis, and comparative photophysicochemical properties**  
Kirbac E., ERDOĞMUŞ A.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1202, 2020 (Journal Indexed in SCI)
- **Investigation of photophysical and photochemical properties of phthalocyanines bearing fluorinated groups**  
Korkmaz E., Ahmetali E., Atmaca G., Karaoglu H. P. , ERDOĞMUŞ A., Kocak M. B.  
Monatshefte fur Chemie, vol.151, pp.181-190, 2020 (Journal Indexed in SCI Expanded)
- **Synthesis and photophysical properties of monomeric and dimeric halogenated aza-BODIPYs**  
Çınar H. Ş. , Özçelik Ş., Kaya K., Kutlu Ö., ERDOĞMUŞ A., Gül A.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1200, 2020 (Journal Indexed in SCI)
- **Exploring the Photophysics of Polyfluorinated Phthalocyanine Derivatives as Potential Theranostic Agents**  
Koca B., Hamuryudan E., Catak S., Erdoğmuş A., Monari A., Aviyente V.  
JOURNAL OF PHYSICAL CHEMISTRY C, vol.123, pp.24417-24425, 2019 (Journal Indexed in SCI)
- **Photophysical and photochemical properties of newly synthesized zinc(II) and chloroindium(III)phthalocyanines substituted with 3,5-bis(trifluoromethyl)phenoxy groups**  
Ahmetali E., Atmaca G., Karaoglu H. P. , ERDOĞMUŞ A., Kocak M. B.  
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.23, pp.960-968, 2019 (Journal Indexed in SCI)
- **Synthesis of tetra-substituted phthalocyanines bearing 2-(ethyl(m-tolyl) amino)ethanol: Computational and photophysicochemical studies**  
Gunsel A., Bilgicli A. T. , TÜZÜN B., Piskin H., Atmaca G., ERDOĞMUŞ A., Yarasir M. N.  
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.373, pp.77-86, 2019 (Journal Indexed in SCI)
- **Selective chemosensor phthalocyanines for Pd<sup>2+</sup> ions; synthesis, characterization, quantum chemical calculation, photochemical and photophysical properties**  
Gunsel A., Kirbac E., TÜZÜN B., ERDOĞMUŞ A., Bilgicli A. T. , Yarasir M. N.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1180, pp.127-138, 2019 (Journal Indexed in SCI)
- **High Photosensitized Singlet Oxygen Generating Zinc and Chloroindium Phthalocyanines Bearing (4-isopropylbenzyl)oxy Groups as Potential Agents for Photophysicochemical Applications**  
Guzel E., Arslan B. S. , Atmaca G., Nebioglu M., ERDOĞMUŞ A.  
CHEMISTRYSELECT, vol.4, pp.515-520, 2019 (Journal Indexed in SCI)
- **Synthesis of tetra-substituted metallophthalocyanines: Spectral, structural, computational studies and investigation of their photophysical and photochemical properties**  
Guzel E., Gunsel A., TÜZÜN B., Atmaca G., Bilgicli A. T. , ERDOĞMUŞ A., Yarasir M. N.  
POLYHEDRON, vol.158, pp.316-324, 2019 (Journal Indexed in SCI)
- **New water-soluble cationic indium (III) phthalocyanine bearing thioquinoline moiety; Synthesis, photophysical and photochemical studies with high singlet oxygen yield**  
Kutlu O. D. , Avciil D., ERDOĞMUŞ A.

MAIN GROUP CHEMISTRY, vol.18, pp.139-151, 2019 (Journal Indexed in SCI)

- **Synthesis of new water soluble silicon phthalocyanine substituted by linker sulfur atom and photophysicochemical studies for photodynamic therapy**  
Atmaca G., ERDOĞMUŞ A.  
Journal of Porphyrins and Phthalocyanines, 2019 (Journal Indexed in SCI)
- **New peripherally substituted lutetium mono and bis phthalocyanines; Synthesis and comparative photophysical and photochemical properties**  
Kocaağa N., Kutlu Ö., ERDOĞMUŞ A.  
Journal of Porphyrins and Phthalocyanines, 2019 (Journal Indexed in SCI)
- **Phthalocyanines with bromobenzenesulfanyl substituents at non-peripheral position: Preparation, photophysical and photochemical properties**  
Atmaca G., Yakan H., Kutuk H., Nebioğlu M., Güzel E., ERDOĞMUŞ A.  
Journal of Porphyrins and Phthalocyanines, 2019 (Journal Indexed in SCI)
- **Zinc and chloroindium complexes of furan-2-ylmethoxy substituted phthalocyanines: Preparation and investigation of aggregation, singlet oxygen generation, antioxidant and antimicrobial properties**  
Güzel E., ŞAKİ N., Akın M., Nebioğlu M., Şişman İ., ERDOĞMUŞ A., Koçak M.  
Synthetic Metals, vol.245, pp.127-134, 2018 (Journal Indexed in SCI)
- **Novel carboxylic acid terminated silicon(IV) and zinc(II) phthalocyanine photosensitizers: Synthesis, photophysical and photochemical studies**  
Hısır A., Kose G., Atmaca G., Erdoğmuş A., Karaoglan G.  
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.22, pp.1010-1021, 2018 (Journal Indexed in SCI)
- **Synthesis and boron interaction of new amino acid containing phthalocyanines and the precursor**  
Baseren S. C. , ERDOĞMUŞ A., GUL A.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.866, pp.105-111, 2018 (Journal Indexed in SCI)
- **Peripherally and non-peripherally tetra-HBME (4-hydroxybenzyl methyl ether) substituted metal-free and zinc(II) phthalocyanines: Synthesis, characterization, and investigation of photophysical and photochemical properties**  
Gunsel A., Beylik S., Bilgicli A. T. , Atmaca G., ERDOĞMUŞ A., Yarasir M. N.  
INORGANICA CHIMICA ACTA, vol.477, pp.199-205, 2018 (Journal Indexed in SCI)
- **Peripherally tetra-benzimidazole units-substituted zinc(II) phthalocyanines: Synthesis, characterization and investigation of photophysical and photochemical properties**  
Sen P., Atmaca G., ERDOĞMUŞ A., Kanmazalp S. D. , Dege N., Yildiz S. Z.  
JOURNAL OF LUMINESCENCE, vol.194, pp.123-130, 2018 (Journal Indexed in SCI)
- **Five-nuclear phthalocyanine complex bearing terpyridine zinc complex: Synthesis, and photophysicochemical studies**  
Sen P., Yildiz S. Z. , Atmaca G., ERDOĞMUŞ A.  
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.22, pp.181-188, 2018 (Journal Indexed in SCI)
- **Synthesis, photophysics, and photochemistry of peripherally Schiff base-zinc complex substituted zinc phthalocyanine**  
Sen P., Yildiz S. Z. , Atmaca G., ERDOĞMUŞ A.  
JOURNAL OF COORDINATION CHEMISTRY, vol.71, pp.1258-1267, 2018 (Journal Indexed in SCI)
- **Synthesis, characterization of new phthalocyanines and investigation of photophysical, photochemical properties and theoretical studies**  
Tayfuroglu O., Kilicarslan F. A. , Atmaca G., ERDOĞMUŞ A.  
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.22, pp.250-265, 2018 (Journal Indexed in SCI)
- **Synthesis and investigation of photophysicochemical properties of novel ketone-substituted gallium (III) and indium (III) phthalocyanines with high singlet oxygen yield for photodynamic therapy**  
Gunsel A., Guzel E., Bilgicli A. T. , Atmaca G., ERDOĞMUŞ A., Yarasir M. N.  
JOURNAL OF LUMINESCENCE, vol.192, pp.888-892, 2017 (Journal Indexed in SCI)
- **Synthesis, characterization of new phthalocyanines and investigation of photophysical and photochemical properties**  
AYTAN KILIÇARSLAN F., ERDOĞMUŞ A., YAŞA ATMACA G.  
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.123, pp.30-42, 2017 (Journal Indexed in SSCI)

- **Synthesis and photophysical properties of novel thiadiazole-substituted zinc (II), gallium (III) and silicon (IV) phthalocyanines for photodynamic therapy**  
Guzel E., Günsel A., Bilgicli A. T. , Atmaca G., ERDOĞMUŞ A., Yarasir M. N.  
INORGANICA CHIMICA ACTA, vol.467, pp.169-176, 2017 (Journal Indexed in SCI)
- **Novel peripherally substituted zinc phthalocyanine: synthesis, characterization, investigation of photophysical properties and theoretical study**  
Tayfuroğlu O., Atmaca G., ERDOĞMUŞ A.  
JOURNAL OF COORDINATION CHEMISTRY, vol.70, pp.3095-3109, 2017 (Journal Indexed in SCI)
- **Synthesis, characterization and electrochemical properties of new phthalocyanines**  
Kilicarslan F., KESKİN B., ERDEN İ., ERDOĞMUŞ A.  
JOURNAL OF COORDINATION CHEMISTRY, vol.70, pp.2671-2683, 2017 (Journal Indexed in SCI)
- **Novel sulfonated hydrophilic indium(III) and gallium(III) phthalocyanine photosensitizers: preparation and investigation of photophysical properties**  
Guzel E., Atmaca G., ERDOĞMUŞ A., Kocak M. B.  
JOURNAL OF COORDINATION CHEMISTRY, vol.70, pp.2659-2670, 2017 (Journal Indexed in SCI)
- **Aldehyde Substituted Phthalocyanines: Synthesis, Characterization and Investigation of Photophysical and Photochemical Properties**  
Sen P., Yıldız S. Z. , ERDOĞMUŞ A., Dege N., Atalay Y.  
JOURNAL OF FLUORESCENCE, vol.26, pp.1521-1534, 2016 (Journal Indexed in SCI)
- **Novel indium(III) phthalocyanines; synthesis, photophysical and humidity sensing properties**  
KESKİN B., OKUYUCU O., ALTINDAL A., ERDOĞMUŞ A.  
NEW JOURNAL OF CHEMISTRY, vol.40, pp.5537-5545, 2016 (Journal Indexed in SCI)
- **Tetra- and octa-[4-(thiophen-3-yl)phenoxy]-bearing metal-free and Lu(III) phthalocyanines: synthesis, characterisation and investigation of photophysical properties**  
Ozdemir M., Kilicarslan F., Erdoğmuş A., Erden İ.  
JOURNAL OF CHEMICAL RESEARCH, pp.250-254, 2016 (Journal Indexed in SCI)
- **Synthesis and photophysical studies of poly(ethylene glycol) conjugated symmetrical and asymmetrical zinc phthalocyanines**  
Dincer H., Mert H., Caliskan E., Atmaca G., ERDOĞMUŞ A.  
JOURNAL OF MOLECULAR STRUCTURE, vol.1102, pp.190-196, 2015 (Journal Indexed in SCI)
- **Synthesis and Characterization of New D- $\pi$ -A Type Fluorene Ligands and Their Ru(II) Complexes**  
ERDEN İ., Kilicarslan F., ERDOĞMUŞ A.  
SYNTHESIS AND REACTIVITY IN INORGANIC METAL-ORGANIC AND NANO-METAL CHEMISTRY, vol.45, pp.1733-1738, 2015 (Journal Indexed in SCI)
- **The Synthesis, Characterization, Crystal Structure and Photophysical Properties of a New Meso-BODIPY Substituted Phthalonitrile**  
Sen P., Atmaca G., ERDOĞMUŞ A., Dege N., GENÇ H., Atalay Y., Yıldız S. Z.  
JOURNAL OF FLUORESCENCE, vol.25, pp.1225-1234, 2015 (Journal Indexed in SCI)
- **Novel axially carborane-cage substituted silicon phthalocyanine photosensitizer; synthesis, characterization and photophysical properties**  
Atmaca G., Dızman C., Eren T., Erdoğmuş A.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.137, pp.244-249, 2015 (Journal Indexed in SCI)
- **Synthesis and fluorescence properties of metalloporphyrazines carrying 2-(ethyl)-1,3-dioxanethio-groups**  
Kilicarslan F., ERDOĞMUŞ A., ERDEN İ., Avciata U.  
JOURNAL OF CHEMICAL RESEARCH, pp.90-97, 2015 (Journal Indexed in SCI)
- **Photophysical and photochemical properties of a zinc phthalocyanine with four diphenylborinic ester moieties**  
Özçelik Ş., Karaoglan G., Gumrukcu G., ERDOĞMUŞ A., Gül A.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.769, pp.17-23, 2014 (Journal Indexed in SCI)
- **Novel soluble octa-substituted phthalocyanines bearing chloro and long alkyl chain containing fluorine: Synthesis, characterization and photophysical and photochemical properties**

ERDOĞMUŞ A., Arici M.

JOURNAL OF FLUORINE CHEMISTRY, vol.166, pp.127-133, 2014 (Journal Indexed in SCI)

- **Electrochemical and spectroelectrochemical properties of methylendioxy-phenoxy-substituted novel lutetium (III) mono- and bis-phthalocyanines**  
Bozoglu C., Arici M., Ugur A. L. , ERDOĞMUŞ A., KOCA A.  
SYNTHETIC METALS, vol.190, pp.56-65, 2014 (Journal Indexed in SCI)
- **Novel highly soluble fluoro, chloro, bromo-phenoxy-phenoxy substituted zinc phthalocyanines; synthesis, characterization and photophysicochemical properties**  
Kirbac E., Atmaca G., ERDOĞMUŞ A.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.752, pp.115-122, 2014 (Journal Indexed in SCI)
- **Synthesis, characterization and dielectric properties of novel phthalocyanines bearing an octa-peripherally substituted mercaptoquinoline moiety**  
ADAM N., Ugur A. L. , ALTINDAL A., ERDOĞMUŞ A.  
POLYHEDRON, vol.68, pp.32-39, 2014 (Journal Indexed in SCI)
- **Diphenylethoxy-substituted metal-free and metallophthalocyanines as potential photosensitizer for photodynamic therapy: synthesis and photophysical and photochemical properties**  
Yılmaz Y., ERDOĞMUŞ A., ŞENER M. K.  
TURKISH JOURNAL OF CHEMISTRY, vol.38, pp.1083-1093, 2014 (Journal Indexed in SCI)
- **Electrochromism of the Langmuir-Blodgett films based on monophthalocyanines carrying redox active metal centers**  
Arican D., ERDOĞMUŞ A., KOCA A.  
THIN SOLID FILMS, vol.550, pp.669-676, 2014 (Journal Indexed in SCI)
- **Photophysical, Photochemical, and BQ Quenching Properties of Zinc Phthalocyanines with Fused or Interrupted Extended Conjugation**  
Gumrukcu G., Karaoglan G., ERDOĞMUŞ A., Gül A., Avciata U.  
JOURNAL OF CHEMISTRY, 2014 (Journal Indexed in SCI)
- **Synthesis, spectral and photophysical investigation of porphyrazines with eight 3-quinolinecarboxy esters**  
Kilicarslan F., ERDOĞMUŞ A., Coskun N. Y. , Yalcin S. M. , Gül A.  
JOURNAL OF COORDINATION CHEMISTRY, vol.66, pp.4316-4329, 2013 (Journal Indexed in SCI)
- **Electrochemical and spectroelectrochemical properties of novel lutetium(III) mono- and bis-phthalocyanines**  
Arici M., Bozoglu C., ERDOĞMUŞ A., Ugur A. L. , KOCA A.  
ELECTROCHIMICA ACTA, vol.113, pp.668-678, 2013 (Journal Indexed in SCI)
- **Effects of peripheral and nonperipheral substitution to the spectroscopic, electrochemical and spectroelectrochemical properties of metallophthalocyanines**  
Arican D., Arici M., Ugur A. L. , ERDOĞMUŞ A., KOCA A.  
ELECTROCHIMICA ACTA, vol.106, pp.541-555, 2013 (Journal Indexed in SCI)
- **Titanyl phthalocyanines: Electrochemical and spectroelectrochemical characterizations and electrochemical metal ion sensor applications of Langmuir films**  
Demir F., ERDOĞMUŞ A., KOCA A.  
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.703, pp.117-125, 2013 (Journal Indexed in SCI)
- **Synthesis, spectral and photophysical properties of novel phthalocyanines bearing bulky phenantroxy moiety**  
ERDOĞMUŞ A., Ugur A. L. , Memisoglu A., ERDEN İ.  
JOURNAL OF LUMINESCENCE, vol.134, pp.483-490, 2013 (Journal Indexed in SCI)
- **Oxygen reduction reaction catalyzed with titanyl phthalocyanines in nonaqueous and aqueous media**  
Demir F., ERDOĞMUŞ A., KOCA A.  
PHYSICAL CHEMISTRY CHEMICAL PHYSICS, vol.15, pp.15926-15934, 2013 (Journal Indexed in SCI)
- **Electrochemical and spectroelectrochemical characterization of newly synthesized manganese, cobalt, iron and copper phthalocyanines**  
Arici M., Arican D., Ugur A. L. , ERDOĞMUŞ A., KOCA A.  
ELECTROCHIMICA ACTA, vol.87, pp.554-566, 2013 (Journal Indexed in SCI)

- **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, pp.280-289, 2012 (Journal Indexed in SCI)
- **Photophysical and photochemical properties of novel phthalocyanines bearing non-peripherally substituted mercaptoquinoline moiety**  
Yasa G., Erdogmus A., Ugur A. L. , Şener M. K. , Avciata U., Nyokong T.  
JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, vol.16, pp.845-854, 2012 (Journal Indexed in SCI)
- **Highly soluble 3,4-(dimethoxyphenylthio) substituted phthalocyanines: Synthesis, photophysical and photochemical studies**  
ÖZTÜRK C., ERDOĞMUŞ A., Durmus M., Ugur A. L. , Kilicarslan F., ERDEN İ.  
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.86, pp.423-431, 2012 (Journal Indexed in SCI)
- **Influence of molecular weight on the short-channel effect in polymer-based field-effect transistors**  
Tunc A. V. , Ecker B., Dogruyol Z., Juechter S., Ugur A. L. , ERDOĞMUŞ A., San S. E. , Parisi J., von Hauff E.  
JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS, vol.50, pp.117-124, 2012 (Journal Indexed in SCI)
- **Synthesis, photophysical and thermal studies of symmetrical and unsymmetrical zinc phthalocyanines**  
Ugur A. L. , Dincer H. A. , ERDOĞMUŞ A.  
POLYHEDRON, vol.31, pp.431-437, 2012 (Journal Indexed in SCI)
- **Synthesis, electrochemical and spectroelectrochemical properties of highly soluble tetra substituted phthalocyanines with [4-(thiophen-3-yl)-phenoxy]**  
ERDOĞMUŞ A., KOCA A., Ugur A. L. , ERDEN İ.  
SYNTHETIC METALS, vol.161, pp.1319-1329, 2011 (Journal Indexed in SCI)
- **Synthesis and electrochemical properties of new tetra substituted cobalt phthalocyanine complexes, and their application in electrode modification for the electrocatalysis of L-cysteine**  
ERDOĞMUŞ A., Booyen I. N. , Nyokong T.  
SYNTHETIC METALS, vol.161, pp.241-250, 2011 (Journal Indexed in SCI)
- **Cleaning Sea Water from Petroleum Products by Using Rubber Powder**  
Marsoglu M., Topuz A., ERDOĞMUŞ A., Yurdalan O., Bilgin S., Feyzioglu A., Topuz P., Karahan T.  
MATERIALS TESTING, vol.53, pp.303-310, 2011 (Journal Indexed in SCI)
- **Synthesis, spectroscopic, electrochemical and spectroelectrochemical properties of metal free, manganese, and cobalt phthalocyanines bearing peripherally octakis-[4-(thiophen-3-yl)-phenoxy] substituents**  
Ugur A. L. , ERDOĞMUŞ A., KOCA A., Avciata U.  
POLYHEDRON, vol.29, pp.3310-3317, 2010 (Journal Indexed in SCI)
- **Synthesis, electrochemistry, spectroelectrochemistry and electrocolorimetry of phthalocyanine-anthraquinone hybrids**  
Sezer B., Sener M. K. , KOCA A., ERDOĞMUŞ A., Avciata U.  
SYNTHETIC METALS, vol.160, pp.2155-2166, 2010 (Journal Indexed in SCI)
- **Synthesis, photophysics, photochemistry and fluorescence quenching studies on highly soluble substituted oxo-titanium(IV) phthalocyanine complexes**  
ERDOĞMUŞ A., Durmus M., Ugur A. L. , AVCIATA O., Avciata U., Nyokong T.  
SYNTHETIC METALS, vol.160, pp.1868-1876, 2010 (Journal Indexed in SCI)
- **Synthesis of zinc phthalocyanine derivatives with improved photophysicochemical properties in aqueous media**  
Erdogmus A., Nyokong T.  
JOURNAL OF MOLECULAR STRUCTURE, vol.977, pp.26-38, 2010 (Journal Indexed in SCI)
- **Synthesis and electrochemical properties of new cobalt and manganese phthalocyanine complexes tetra-substituted with 3,4-(methylenedioxy)-phenoxy**  
ERDOĞMUŞ A., Akinbulu I. A. , Nyokong T.  
POLYHEDRON, vol.29, pp.2352-2363, 2010 (Journal Indexed in SCI)
- **Novel, soluble, FluXoro functional substituted zinc phthalocyanines; synthesis, characterization and**

### **photophysical properties**

Erdogmus A., Nyokong T.

DYES AND PIGMENTS, vol.86, pp.174-181, 2010 (Journal Indexed in SCI)

- **Photophysical properties of newly synthesized fluorinated zinc phthalocyanines in the presence of CdTe quantum dots and the accompanying energy transfer processes**  
Erdogmus A., Moeno S., Litwinski C., Nyokong T.  
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.210, pp.200-208, 2010 (Journal Indexed in SCI)
- **Synthesis, photophysical and photochemical properties of novel soluble tetra[4-(thiophen-3yl)-phenoxy]phthalocyaninato zinc(II) and Ti(IV)O complexes**  
Erdogmus A., Nyokong T.  
INORGANICA CHIMICA ACTA, vol.362, pp.4875-4883, 2009 (Journal Indexed in SCI)
- **New soluble methylenedioxy-phenoxy-substituted zinc phthalocyanine derivatives: Synthesis, photophysical and photochemical studies**  
Erdogmus A., Nyokong T.  
POLYHEDRON, vol.28, pp.2855-2862, 2009 (Journal Indexed in SCI)
- **The synthesis and photophysical behaviour of novel water-soluble cationic indium(III) phthalocyanine**  
Durmus M., Erdogmus A., Ogunsipe A., Nyokong T.  
DYES AND PIGMENTS, vol.82, pp.244-250, 2009 (Journal Indexed in SCI)
- **Synthesis, photophysics and photochemistry of novel tetra(quinoxaliny)phthalocyaninato zinc(II) complexes**  
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- **Synthesis, characterization and electrochemistry of new type soluble porphyrazine containing 3-phenylpropylthio substituent**  
ERDOĞMUŞ A., KOCA A., Avciata U., Gül A.  
POLISH JOURNAL OF CHEMISTRY, vol.82, pp.1541-1551, 2008 (Journal Indexed in SCI)
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## Scholarships

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## Awards

- Erdođmuş A., SCI kapsamında, Projesinde en fazla yayın yapan öđretim üyesi, Yıldız Teknik Üniversitesi, October 2014
- Erdođmuş A., SCI kapsamında, 2011-2012 Eđitim-öđretim yılında en fazla yayın yapan Doçentler arasında 3.lük ödülü., Yıldız Teknik Üniversitesi, October 2012
- Erdođmuş A., SCI kapsamında, 2010-2011 Eđitim-öđretim yılında en fazla yayın yapan Doçentler arasında 3.lük ödülü., Yıldız Teknik Üniversitersi, October 2011
- Erdođmuş A., SCI kapsamında, 2009-2010 Eđitim-öđretim yılında en fazla yayın yapan Araştırma Görevlileri arasında 1.lik ödülü., Yıldız Teknik Üniversitesi, October 2010
- Erdođmuş A., SCI kapsamında, 2007-2009 Eđitim-öđretim yılında en fazla yayın yapan Araştırma Görevlileri arasında 3.lük ödülü., Yıldız Teknik Üniversitesi, October 2009