

## Prof. Dr. ECE TUĞBA SAKA

### Kişisel Bilgiler

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### Uluslararası Araştırmacı ID'leri

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Publons / Web Of Science ResearcherID: AAR-2893-2020

ScopusID: 36622779600

Yoksis Araştırmacı ID: 151965

### Eğitim Bilgileri

Doktora, Karadeniz Teknik Üniversitesi, -, Kimya, Türkiye 2007 - 2012

Yüksek Lisans, Karadeniz Teknik Üniversitesi, -, Kimya, Türkiye 2005 - 2007

Lisans, Karadeniz Teknik Üniversitesi, Fen Fakültesi, Kimya, Türkiye 2000 - 2005

### Yabancı Diller

İngilizce, B2 Orta Üstü

### Yaptığı Tezler

Doktora, Periferal Tetra Sübstitüe Ftalosiyanınların Sentezi, Karakterizasyonu ve Kobalt Ftalosiyanınların Siklohegzen Oksidasyonu Üzerine Katalitik Etkinliklerinin İncelenmesi, Karadeniz Teknik Üniversitesi, Fen Bilimleri, Kimya, 2012

Yüksek Lisans, Yeni Tip Çözünür Ftalosiyanınların Sentezi, Karakterizasyonu ve Elektrokimyasal Özelliklerinin İncelenmesi, Karadeniz Teknik Üniversitesi, -, Kimya, 2007

### Araştırma Alanları

Kimya, İnorganik Kimya, Geçiş Elementleri, Kataliz, Koordinasyon Kimyası, Temel Bilimler

### Akademik Unvanlar / Görevler

Prof. Dr., Karadeniz Teknik Üniversitesi, Fen Fakültesi, Kimya, 2022 - Devam Ediyor

Doç. Dr., Karadeniz Teknik Üniversitesi, Fen Fakültesi, Kimya, 2015 - 2022

Araştırma Görevlisi Dr., Karadeniz Teknik Üniversitesi, Fen Fakültesi, Kimya, 2012 - 2015

Araştırma Görevlisi, Karadeniz Teknik Üniversitesi, Fen Fakültesi, Kimya, 2008 - 2012

## verdiği Dersler

Temel Kimya-1, Lisans, 2021 - 2022

Kobalt Ftalosiyanimler ve Katalitik Özellikleri, Yüksek Lisans, 2019 - 2020

Homojen Kataliz ve Uygulamaları, Yüksek Lisans, 2017 - 2018

Genel Kimya Laboratuvarı-II, Lisans, 2016 - 2017

Günlük Hayatta Kimyasallar, Lisans, 2016 - 2017

Anorganik Kimya-II, Lisans, 2016 - 2017

Anorganik Kimya Laboratuvarı, Lisans, 2015 - 2016

Bor Bileşikleri, Lisans, 2015 - 2016

Anorganik Kimya-I, Lisans, 2016 - 2017

## Yönetilen Tezler

Saka E. T., Metalli ftalosiyanimlerin sentezi, karakterizasyonu ve 4-nitrofenol üzerinde fotooksidasyon reaksiyonundaki katalitik aktifliğinin incelenmesi, Yüksek Lisans, K.Tekintaş(Öğrenci), 2022

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Preparation and characterization of axially substituted silicon phthalocyanine-modified nano TiO<sub>2</sub> thin films**  
Fazlı H., Akkol Ç., KESMEZ Ö., SAKA E. T., BIYIKLIOĞLU Z.  
Journal of Organometallic Chemistry, cilt.1022, 2024 (SCI-Expanded)
- II. **Synthesis of phthalocyanine/C<sub>3</sub>N<sub>4</sub> structures and investigation of photocatalytic activities in the oxidation reaction of 4-nitrophenol**  
SAKA E. T., Senocak A., Akkol C.  
Journal of Coordination Chemistry, 2024 (SCI-Expanded)
- III. **Synthesis of water soluble cobalt(II), copper(II) phthalocyanines and their usage as a catalyst in the photooxidation of benzyl alcohol in biphasic catalysis**  
Arin Öztürmen B. A., Akkol Ç., Saka E. T., Biyiklioğlu Z.  
INORGANIC CHEMISTRY COMMUNICATIONS, cilt.158, 2023 (SCI-Expanded)
- IV. **An investigation on photocatalytic and  $\alpha$ -amylase inhibitory activities of Co (II) and Zn(II) phthalocyanines**  
Tugba Saka E. T., Cakmak U., Akkol C., BIYIKLIOĞLU Z.  
POLYHEDRON, cilt.243, 2023 (SCI-Expanded)
- V. **Enhancing the photocatalytic performance of Co(II) and Cu(II) phthalocyanine by containing 1,3,4-thiadiazole groups in 4-nitrophenol oxidation reaction**  
SAKA E. T., Tekintas K., BEKİRCAN O., BIYIKLIOĞLU Z.  
Inorganica Chimica Acta, cilt.547, 2023 (SCI-Expanded)
- VI. **Investigation of photocatalytic properties of cobalt phthalocyanines on benzyl alcohol photooxidation**  
Yalazan H., Akkol C., SAKA E. T., KANTEKİN H.  
Applied Organometallic Chemistry, cilt.37, sa.2, 2023 (SCI-Expanded)
- VII. **Synthesis of water soluble copper(II), manganese(III) phthalocyanines and their photocatalytic performances in benzyl alcohol photooxidation**  
Fazlı H., Akkol Ç., OSMANOĞULLARI S. C., BIYIKLIOĞLU Z., SAKA E. T., BEKİRCAN O.  
Journal of Organometallic Chemistry, cilt.983, 2023 (SCI-Expanded)
- VIII. **Preparation, characterization and photocatalytic activity of novel 1,2,4-triazole based Cu(II) and Zn(II) phthalocyanines modified TiO<sub>2</sub> nanoparticles**  
Tekintas K., KESMEZ Ö., BEKİRCAN O., SAKA E. T.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1248, 2022 (SCI-Expanded)
- IX. **Synthesis of axially disubstituted silicon phthalocyanines and investigation of their in vitro**

**cytotoxic/phototoxic anticancer activities**

Yurt F., SAKA E. T., BIYIKLIOĞLU Z., Tuncel A., Ozel D., Ocakoglu K.

JOURNAL OF PORPHYRINS AND PHTHALOCYANINES, cilt.25, sa.1, ss.10-18, 2021 (SCI-Expanded)

- X. **Light driven photodegradation of 4-nitrophenol with novel Co and Cu phthalocyanine in aqueous media**  
Saka E. T., Tekintas K.  
JOURNAL OF MOLECULAR STRUCTURE, cilt.1215, 2020 (SCI-Expanded)
- XI. **Design, syntheses, spectroscopic, aggregation properties of novel peripheral octa-substituted zinc(II), magnesium(II) and lead(II) phthalocyanines and investigation of their photocatalytic properties on the photooxidation of 4-nitrophenol**  
Yalazan H., Tekintas K., Serdaroğlu V., Saka E. T., Kahriman N., Kantekin H.  
INORGANIC CHEMISTRY COMMUNICATIONS, cilt.118, 2020 (SCI-Expanded)
- XII. **Substituted Co(II) and Cu(II) metallophthalocyanines from new Schiff base containing pyrrole units: Synthesis, characterization and investigation of photocatalytic activity on 2,3-dichlorophenol oxidation**  
Kamiloglu A. A., SAKA E. T., ACAR İ.  
JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY, cilt.96, ss.55-65, 2020 (SCI-Expanded)
- XIII. **Synthesis, aggregation, photocatalytical and electrochemical properties of axially 1-benzylpiperidin-4-oxy units substituted silicon phthalocyanine**  
SAKA E. T., YALAZAN H., BIYIKHOGLU Z., KANTEKİN H., TEKİNTAŞ K.  
Journal of Molecular Structure, cilt.1199, 2020 (SCI-Expanded)
- XIV. **(E)-4-(4-(3-(2-fluoro-5-(trifluoromethyl)phenyl)acryloyl)phenoxy)Substituted Co(II) and Cu(II) phthalocyanines and their catalytic activities on the oxidation of phenols**  
Saka E. T., Kahriman N.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.895, ss.48-54, 2019 (SCI-Expanded)
- XV. **Synthesis, characterization, and photocatalytic activity of Co(II) and Cu(II) phthalocyanines linked with thiophene-Schiff base substituents for 4-nitrophenol oxidation**  
Kamiloglu A., SAKA E. T., ACAR İ., TEKİNTAS K.  
JOURNAL OF COORDINATION CHEMISTRY, cilt.72, sa.16, ss.2778-2790, 2019 (SCI-Expanded)
- XVI. **Degradation of substituted phenols with different oxygen sources catalyzed by Co(II) and Cu(II) phthalocyanine complexes**  
SAKA E. T., DUGDU E., ÜNVER Y.  
JOURNAL OF COORDINATION CHEMISTRY, cilt.72, ss.1119-1130, 2019 (SCI-Expanded)
- XVII. **Synthesis, structural characterization, and investigation on photophysical and photochemical features of new metallophthalocyanines**  
ERTEM B., YALAZAN H., GÜNGÖR Ö., Sarkı G., Durmus M., SAKA E. T., KANTEKİN H.  
JOURNAL OF LUMINESCENCE, cilt.204, ss.464-471, 2018 (SCI-Expanded)
- XVIII. **Anthracene Substituted Co (II) and Cu (II) phthalocyanines; Preparations, Investigation of Catalytical and Electrochemical Behaviors**  
SAKA E. T., BIYIKLIOĞLU Z., Caglar Y.  
APPLIED ORGANOMETALLIC CHEMISTRY, cilt.32, sa.9, 2018 (SCI-Expanded)
- XIX. **Preparation, characterization of new Co(II) and Cu(II) phthalocyanines and their catalytic performances in aerobic oxidation of substituted phenols**  
SAKA E. T.  
JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY, cilt.91, ss.61-69, 2018 (SCI-Expanded)
- XX. **New peripherally tetra-[trans-3,7-dimethyl-2,6-octadien-1-ol] substituted metallophthalocyanines: synthesis, characterization and catalytic activity studies on the oxidation of phenolic compounds**  
KANTEKİN H., SAKA E. T., ERTEM B., MISIR M. N., YALAZAN H., Sarkı G.  
JOURNAL OF COORDINATION CHEMISTRY, cilt.71, sa.1, ss.164-182, 2018 (SCI-Expanded)
- XXI. **New Co(II) and Cu(II) Phthalocyanine Catalysts Reinforced by Long Alkyl Chains for the Degradation of Organic Pollutants**

- SAKA E. T., Caglar Y.  
CATALYSIS LETTERS, cilt.147, sa.6, ss.1471-1477, 2017 (SCI-Expanded)
- XXII. **Peripherally tetra-{2-(2,3,5,6-tetrafluorophenoxy)ethoxy} substituted cobalt(II), iron(II) metallophthalocyanines: Synthesis and their electrochemical, catalytic activity studies**  
KAMILOGLU A. A., ACAR İ., BIYIKLIOĞLU Z., SAKA E. T.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.828, ss.59-67, 2017 (SCI-Expanded)
- XXIII. **Fluoro functional groups substituted cobalt(II), iron(II) phthalocyanines and their catalytic properties on benzyl alcohol oxidation**  
AKTAS A., ACAR İ., SAKA E. T., BIYIKLIOĞLU Z., KANTEKİN H.  
JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY, cilt.86, ss.183-190, 2016 (SCI-Expanded)
- XXIV. **Peripherally tetra-{2-(2,3,5,6-tetrafluorophenoxy)ethoxy} substituted cobalt(II), iron(II) metallophthalocyanines: Synthesis and their electrochemical, catalytic activity studies**  
AKTAŞ A., ACAR İ., BIYIKLIOĞLU Z., SAKA E. T.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.828, ss.59-67, 2016 (SCI-Expanded)
- XXV. **Synthesis of polyfluoro substituted Co(II), Fe(II) phthalocyanines and their usage as catalysts for aerobic oxidation of benzyl alcohol**  
AKTAS A., ACAR İ., SAKA E. T., BIYIKLIOĞLU Z.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, ss.1-7, 2016 (SCI-Expanded)
- XXVI. **A Simple Spectrofluorimetric Method Based on Quenching of a Nickel(II)-Phthalocyanine Complex to Determine Iron (III)**  
CAGLAR Y., SAKA E. T., ALP H., KANTEKİN H., OCAK Ü., OCAK M.  
JOURNAL OF FLUORESCENCE, cilt.26, sa.4, ss.1381-1389, 2016 (SCI-Expanded)
- XXVII. **Electrochemical and spectroelectrochemical properties of new metal free, nickel(II), lead(II) and zinc(II) phthalocyanines**  
SAKA E. T., KOBAK R. Z. U., ALP H., SARKI G., KOCA A., KANTEKİN H.  
SYNTHETIC METALS, cilt.217, ss.295-303, 2016 (SCI-Expanded)
- XXVIII. **An efficient method for the oxidation of phenolic compounds using new Co(II) and Fe(II) phthalocyanines**  
SAKA E. T., CELİK G., SARKI G., KANTEKİN H.  
JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY, cilt.85, ss.161-168, 2016 (SCI-Expanded)
- XXIX. **Synthesis, structural characterization, catalytic activity on aerobic oxidation of novel Co(II) and Fe(II) phthalocyanines and computational studies of 4-[2-(2,3-dichlorophenoxy)ethoxy]phthalonitrile**  
SAKA E. T., UZUN S., CAGLAR Y.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.810, ss.25-32, 2016 (SCI-Expanded)
- XXX. **A Simple Spectrofluorimetric Method Based on Quenching of a Nickel(II)-Phthalocyanine Complex to Determine Iron (III)**  
ÇAĞLAR Y., SAKA E. T., ALP H., KANTEKİN H., OCAK Ü., OCAK M.  
JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY, cilt.26, ss.1381-1389, 2016 (SCI-Expanded)
- XXXI. **Electrochemical, spectroelectrochemical and catalytical properties of new Cu(II) and Co(II) phthalocyanines**  
SAKA E. T., SARKI G., KANTEKİN H., KOCA A.  
SYNTHETIC METALS, cilt.214, ss.82-91, 2016 (SCI-Expanded)
- XXXII. **Co(II) and Fe(II) phthalocyanines: synthesis, investigation of their catalytic activity towards phenolic compounds and electrochemical behaviour**  
SAKA E. T., BIYIKLIOĞLU Z.  
APPLIED ORGANOMETALLIC CHEMISTRY, cilt.29, sa.6, ss.392-399, 2015 (SCI-Expanded)
- XXXIII. **Synthesis and electrochemistry of new octa-substituted metal-free and metallophthalocyanines**  
SAKA E. T., BIYIKLIOĞLU Z.  
APPLIED ORGANOMETALLIC CHEMISTRY, cilt.29, ss.392-399, 2015 (SCI-Expanded)

- XXXIV. **Synthesis and electrochemistry of new octa-substituted metal-free and metallophthalocyanines**  
ACAR İ., SAKA E. T., Topçu S., BIYIKLIOĞLU Z., KANTEKİN H.  
JOURNAL OF COORDINATION CHEMISTRY, cilt.68, ss.1847-1858, 2015 (SCI-Expanded)
- XXXV. **Facile synthesis of highly active Co(II) and Fe(II) phthalocyanine catalysts for aerobic oxidation of phenolic compounds**  
SAKA E. T., Sarkı G., KANTEKİN H.  
JOURNAL OF COORDINATION CHEMISTRY, cilt.68, sa.7, ss.1132-1141, 2015 (SCI-Expanded)
- XXXVI. **Synthesis and electrochemistry of new octa-substituted metal-free and metallophthalocyanines**  
ACAR İ., SAKA E. T., Topcu S., BIYIKLIOĞLU Z., KANTEKİN H., AKTAS A.  
JOURNAL OF COORDINATION CHEMISTRY, cilt.68, sa.10, ss.1847-1858, 2015 (SCI-Expanded)
- XXXVII. **Synthesis, electrochemistry of metal-free, copper, titanium phthalocyanines and investigation of catalytic activity of cobalt, iron phthalocyanines on benzyl alcohol oxidation bearing 4-{2-[3-trifluoromethyl)phenoxy]ethoxy} groups**  
AKTAS A., ACAR İ., BIYIKHOGLU Z., SAKA E. T., KANTEKİN H.  
SYNTHETIC METALS, cilt.198, ss.212-220, 2014 (SCI-Expanded)
- XXXVIII. **Highly selective oxidation of benzyl alcohol catalyzed by new peripherally tetra-substituted Fe(II) and Co(II) phthalocyanines**  
CAKIR V., SAKA E. T., BIYIKLIOĞLU Z., KANTEKİN H.  
SYNTHETIC METALS, cilt.197, ss.233-239, 2014 (SCI-Expanded)
- XXXIX. **Microwave-assisted synthesis and characterization of Co(II) phthalocyanine and investigation of its catalytic activity on 4-nitrophenol oxidation**  
SAKA E. T., BIYIKLIOĞLU Z., KANTEKİN H.  
TURKISH JOURNAL OF CHEMISTRY, cilt.38, sa.6, ss.1166-1173, 2014 (SCI-Expanded)
- XL. **Investigation of catalytic activity of new Co(II) phthalocyanine complexes in cyclohexene oxidation using different type of oxidants**  
AKTAS A., SAKA E. T., BIYIKLIOĞLU Z., ACAR İ., KANTEKİN H.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.745, ss.18-24, 2013 (SCI-Expanded)
- XLI. **Co(II) and Fe(II) phthalocyanines: Synthesis, characterization and catalytic activity on cyclohexene oxidation with different oxygen source**  
SAKA E. T., BIYIKLIOĞLU Z.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.745, ss.50-56, 2013 (SCI-Expanded)
- XLII. **Synthesis, characterization and investigation of homogeneous oxidation activities of peripherally tetra-substituted Co(II) and Fe(II) phthalocyanines: Oxidation of cyclohexene**  
BIYIKLIOĞLU Z., SAKA E. T., GOKCE S., KANTEKİN H.  
JOURNAL OF MOLECULAR CATALYSIS A-CHEMICAL, cilt.378, ss.156-163, 2013 (SCI-Expanded)
- XLIII. **New soluble peripherally tetra-substituted Co(II), Fe(II) phthalocyanines: Synthesis, spectroscopic characterization and their catalytic activity in cyclohexene oxidation**  
SAKA E. T., CAKIR D., BIYIKLIOGLU Z., KANTEKİN H.  
DYES AND PIGMENTS, cilt.98, sa.2, ss.255-262, 2013 (SCI-Expanded)
- XLIV. **Synthesis, characterization of metal-free, metallophthalocyanines and catalytic activity of cobalt phthalocyanine in cyclohexene oxidation**  
GOKCE S., SAKA E. T., BIYIKLIOĞLU Z., KANTEKİN H.  
SYNTHETIC METALS, cilt.176, ss.108-115, 2013 (SCI-Expanded)
- XLV. **Synthesis and characterization of peripheral and non-peripheral substituted Co(II) phthalocyanines and their catalytic activity in styrene oxidation**  
SAKA E. T., ACAR İ., BIYIKLIOĞLU Z., KANTEKİN H., Kani I.  
SYNTHETIC METALS, cilt.169, ss.12-17, 2013 (SCI-Expanded)
- XLVI. **Novel metal-free, metallophthalocyanines and their quaternized derivatives: Synthesis, spectroscopic characterization and catalytic activity of cobalt phthalocyanine in 4-nitrophenol oxidation**  
ACAR İ., BAYRAK R., SAKA E. T., BIYIKLIOĞLU Z., KANTEKİN H.

- POLYHEDRON, cilt.50, sa.1, ss.345-353, 2013 (SCI-Expanded)
- XLVII. **Synthesis, characterization, photophysical and photochemical properties of tetra-2-[2-(benzothiazolythio)]ethoxy substituted phthalocyanine derivatives**  
SAKA E. T., ERSOY N., Gol C., Durmus M., BIYIKLIOĞLU Z., KANTEKİN H.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.723, ss.1-9, 2013 (SCI-Expanded)
- XLVIII. **Synthesis, characterization and catalytic activity of peripherally tetra-substituted Co(II) phthalocyanines for cyclohexene oxidation**  
SAKA E. T., BIYIKLIOĞLU Z., KANTEKİN H., Kani I.  
APPLIED ORGANOMETALLIC CHEMISTRY, cilt.27, sa.1, ss.59-67, 2013 (SCI-Expanded)
- XLIX. **Photophysical, photochemical and aggregation behavior of novel peripherally tetra-substituted phthalocyanine derivatives**  
SAKA E. T., Göl C., Durmuş M., KANTEKİN H., BIYIKLIOĞLU Z.  
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, cilt.241, ss.67-78, 2012 (SCI-Expanded)
- L. **Photophysical, photochemical and aggregation behavior of novel peripherally tetra-substituted phthalocyanine derivatives**  
SAKA E. T., Gol C., Durmus M., KANTEKİN H., BIYIKHOGLU Z.  
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, cilt.241, ss.67-78, 2012 (SCI-Expanded)
- LI. **Phthalocyanine-based fluorescent chemosensor for the sensing of Zn (II) in dimethyl sulfoxide-acetonitrile**  
CAGLAR Y., GÜMRÜKÇÜOĞLU N., SAKA E. T., OCAK M., KANTEKİN H., OCAK Ü.  
JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY, cilt.72, ss.443-447, 2012 (SCI-Expanded)
- LII. **Photophysical, Photochemical and Aggregation Behavior of Novel Peripherally Tetra-substituted Phthalocyanine Derivatives**  
SAKA E. T., Göl C., Durmuş M., KANTEKİN H., BIYIKLIOĞLU Z.  
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, cilt.241, ss.67-78, 2012 (SCI-Expanded)
- LIII. **Solvent and central metal effects on the photophysical and photochemical properties of 4-benzyloxybenzoxy substituted phthalocyanines**  
SAKA E. T., Durmus M., KANTEKİN H.  
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.696, sa.4, ss.913-924, 2011 (SCI-Expanded)
- LIV. **New Type of Tetrazine-Substituted Metallophthalocyanines by Microwave Irradiation: Synthesis and Characterization**  
SAKA E. T., YILDIRIM N., KANTEKİN H.  
HETEROATOM CHEMISTRY, cilt.21, sa.7, ss.456-461, 2010 (SCI-Expanded)

## **Diğer Dergilerde Yayınlanan Makaleler**

- I. **The effect of silicon phthalocyanine on cell death and mitochondrial membrane potential in pancreatic cancer cells**  
Kaya H. İ., Boğuşlu C., Kabak E., Akkol Ç., Saka E. T., Çelik Uzuner S.  
Turkish Journal of Analytical Chemistry (Online), cilt.4, sa.2, ss.111-115, 2022 (Hakemli Dergi)
- II. **Synthesis, Characterization and Photocatalytic Properties of Non-peripherally 3- (pyridin-4-yl) propane-1-oxy Groups Substituted Cu (II) Phthalocyanine and Water Soluble Derivative**  
Saka E. T.  
Sakarya University Journal Of Science, cilt.24, ss.1029-1039, 2020 (Hakemli Dergi)
- III. **Ionic liquid based dispersive liquid-liquid microextraction procedure for the spectrophotometric determination of copper using 3-dimethylamino rhodanine as a chelating agent in natural waters**  
Çağlar Y., SAKA E. T.  
Karbala International Journal of Modern Science, cilt.3, ss.185-190, 2017 (Scopus)

## Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Investigation of the Performance of Co(II) and Cu(II) Phthalocyanine Catalysts in the Aerobic Oxidation of Benzyl Alcohol: Determination of Optimum Conditions**  
Akkol Ç., Uzunel İ., Genç G., Saka E. T.  
6. INTERNATIONAL ENVIRONMENTAL CHEMISTRY CONGRESS, Trabzon, Türkiye, 5 - 08 Kasım 2024, ss.114
- II. **Non-periferally 2-(4-methoxyphenoxy)ethoxy groups substituted Co(II)phthalocyanine as receptor for selective recognition of Fe<sup>3+</sup> cation**  
Uzunel İ., Çağlar Y., Saka E. T.  
6. INTERNATIONAL ENVIRONMENTAL CHEMISTRY CONGRESS, Trabzon, Türkiye, 5 - 08 Kasım 2024, ss.83
- III. **DNA Interaction and  $\alpha$ -Glucosidase Inhibition Potential of a Newly Synthesized Zn(II) Phthalocyanine Complex**  
Yıldırım Akatın M., Saka E. T., Sağlam Ertunga N.  
6th Eurasia Biochemical Approaches & Technologies Congress , Tokat, Türkiye, 24 - 27 Ekim 2024, ss.109
- IV. **Synthesis of Novel Phthalocyanines and Their Usage as a Catalyst in the Photooxidation of Benzyl Alcohol**  
Bıyıklıoğlu Z., Saka E. T., Öztürmen B. A., Akkol Ç.  
5th Eurasia Biochemical Approaches and Technologies Congress (EBAT), Antalya, Türkiye, 2 - 05 Kasım 2023, ss.44
- V. **Investigation of DNA Binding Properties and Antidiabetic Effect of a New Water-Soluble Nonperipheral Zn(II) Phthalocyanine Complex and in silico Computational Studies**  
Sağlam Ertunga N., Saka E. T., Taşkın Tok T., Yıldırım Akatın M.  
5th EURASIA BIOCHEMICAL APPROACHES & TECHNOLOGIES (EBAT) CONGRESS, Antalya, Türkiye, 2 Kasım - 05 Aralık 2023, ss.1
- VI. **Preparation and characterization of axial disubstituted silicon phthalocyanine modified nano TiO<sub>2</sub> thin films**  
Fazlı H., Akkol Ç., Kesmez Ö., Saka E. T., Bıyıklıoğlu Z.  
1st International Congress on Solutions in Science , İzmir, Türkiye, 11 - 13 Eylül 2023, ss.21
- VII. **Evaluation of photocatalytic properties of substituted cobalt phthalocyanines on benzyl alcohol photooxidation**  
Yalazan H., Akkol Ç., Saka E. T., Kantekin H.  
5th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2022), Ankara, Türkiye, 23 - 25 Aralık 2022, ss.1718
- VIII. **'Synthesis, Characterization of Co(II) Phthalocyanine and Investigation of Its Catalytic Activity on Alcohol Oxidation**  
BIYIKLIOĞLU Z., SAKA E. T., Çakır D., Çakır V., KANTEKİN H.  
4th European Chemistry Congress, Çek Cumhuriyeti, ss.987
- IX. **'Selective oxidation reaction of fenol compounds catalyzed by water soluble Fe(II) and Co(II) phthalocyanines**  
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