

## Prof. Dr. ECE TUĞBA SAKA

### Kişisel Bilgiler

İş Telefonu: [+90 462 377 2525](tel:+904623772525) Dahili: 2492

E-posta: [esaka@ktu.edu.tr](mailto:esaka@ktu.edu.tr)

Web: <https://avesis.ktu.edu.tr//esaka>

Posta Adresi: K.T.U Fen Fakültesi Kimya Bölümü

### Uluslararası Araştırmacı ID'leri

ScholarID: dYGdNNEAAAJ

ORCID: 0000-0002-1074-7752

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

Yüksek Lisans, Yeni Tip Çözünür Ftalosiyanın 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. **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)
- XVIII. **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)
- XIX. **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., Sarkı G., KOCA A., KANTEKİN H.  
SYNTHETIC METALS, cilt.217, ss.295-303, 2016 (SCI-Expanded)
- XX. **An efficient method for the oxidation of phenolic compounds using new Co(II) and Fe(II) phthalocyanines**  
SAKA E. T., CELİK G., Sarkı G., KANTEKİN H.  
JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY, cilt.85, ss.161-168, 2016 (SCI-Expanded)
- XXI. **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)

- XXII. **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)
- XXIII. **Electrochemical, spectroelectrochemical and catalytical properties of new Cu(II) and Co(II) phthalocyanines**  
SAKA E. T., Sarkı G., KANTEKİN H., KOCA A.  
SYNTHETIC METALS, cilt.214, ss.82-91, 2016 (SCI-Expanded)
- XXIV. **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)
- XXV. **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)
- XXVI. **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)
- XXVII. **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)
- XXVIII. **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)
- XXIX. **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)
- XXX. **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)
- XXXI. **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)
- XXXII. **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)
- XXXIII. **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)
- XXXIV. **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)
- XXXV. **New soluble peripherally tetra-substituted Co(II), Fe(II) phthalocyanines: Synthesis, spectroscopic characterization and their catalytic activity in cyclohexene oxidation**  
SAKA E. T., ÇAKIR D., BIYIKLIOĞLU Z., KANTEKİN H.  
DYES AND PIGMENTS, cilt.98, sa.2, ss.255-262, 2013 (SCI-Expanded)
- XXXVI. **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)
- XXXVII. **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)
- XXXVIII. **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)
- XXXIX. **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)
- XL. **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)
- XLI. **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)
- XLII. **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)
- XLIII. **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)
- XLIV. **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)
- XLV. **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)
- XLVI. **New Type of Tetrazine-Substituted Metallophthalocyanines by Microwave Irradiation: Synthesis and Characterization**  
SAKA E. T., YILDIRIM N., KANTEKİN H.

## Diğer Dergilerde Yayınlanan Makaleler

- I. **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)

## Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **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., Bıyıkhoğlu Z.  
1st International Congress on Solutions in Science , İzmir, Türkiye, 11 - 13 Eylül 2023, ss.21
- II. **Evaluation of photocatalytic properties of substituted cobalt phthalocyanines on benzyl alcohol photooxidation**  
Yalazan H., Akkol Ç., Saka E. T., Kanteğin H.  
5th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2022), Ankara, Türkiye, 23 - 25 Aralık 2022, ss.1718
- III. **Metalsiz ve Metalli Ftalosiyanınların Sentezi, Karakterizasyonu ve Co(II) Ftalosiyanınin Katalitik Aktivitesinin İncelenmesi**  
SAKA E. T., Gökçe S., BIYIKLIOĞLU Z., KANTEKİN H.  
4. Ulusal Anorganik Kimya Kongresi, Tokat, Türkiye, ss.57
- IV. **'Kobalt(II) Ftalosiyanın; Mikrodalga Sentezi, Karakterizasyonu ve Siklohegzen Oksidasyonu Üzerine Katalitik Etkisinin İncelenmesi**  
SAKA E. T., Kani İ., BIYIKLIOĞLU Z., KANTEKİN H.  
4th National Catalysis Conference, Kocaeli, Türkiye, ss.182
- V. **Yeni Bir Okta-Substitued Metal-Free ve Metalofталosiyanınların Sentezi ve Karakterizasyonu**  
BIYIKLIOĞLU Z., SAKA E. T., KANTEKİN H.  
21. Ulusal Kimya Kongresi konferansı, Malatya, Türkiye, ss.20
- VI. **Synthesis, characterization and catalytic activities on benzyl alcohol, styrene oxidation of different group substituted Co(II) phthalocyanines**  
SAKA E. T., BIYIKLIOĞLU Z., ACAR İ., KANTEKİN H., Kani İ.  
3rd European Chemistry Congress, Almanya, ss.3
- VII. **'Synthesis, Characterization, Photophysical, Photochemical and Aggregation Behavior of 4-[2-(1,4-Dioxa-8-azaspiro[4.5]dec-8-yl)]ethoxy-Substituted Phthalocyanine**  
SAKA E. T., Göl C., Durmuş M., KANTEKİN H., BIYIKLIOĞLU Z.  
4th European Chemistry Congress, Çek Cumhuriyeti, ss.986
- VIII. **'Selective oxidation reaction of fenol compounds catalyzed by water soluble Fe(II) and Co(II) phthalocyanines**  
SAKA E. T.  
International Congress of Porphyrines and Phthalocyanines Conference, İstanbul, Türkiye, ss.682
- IX. **Fe (II) ve Co(II) Ftalosiyanınların Sentezi, Karakterizasyonu ve Siklohegzenin Okidasyon Reaksiyonu Üzerine Katalitik Etkisinin Araştırılması**  
KANTEKİN H., SAKA E. T., BIYIKLIOĞLU Z.  
4. Ulusal Anorganik Kimya Kongresi, Tokat, Türkiye, ss.58
- X. **'Floropropanol Grubu İçeren Co(II) Ftalosiyanınin Sentezi, Karakterizasyonu ve Stirenin Oksidasyon Tepkimesi Üzerinde Katalitik Aktivitelerinin İncelenmesi**

SAKA E. T., Kani İ., KANTEKİN H.

Organometalik Kimya ve Kataliz Çalıştayı, Malatya, Türkiye, ss.19

- XI. **Synthesis, Photophysical and Photochemical Properties of Peripheral Substituted Metal free, Zinc (II) and Lead (II) phthalocyanines**  
SAKA E. T., Durmuş M., KANTEKİN H.  
3rd European Chemistry Congress, Almanya, ss.1
- XII. **'Investigation of Catalytic Activity of Cobalt and Iron Phthalocyanines on Oxidation Reactions of Some Phenolic Compounds**  
SAKA E. T.  
National Catalysis Conference,NCC-5, Adana, Türkiye, ss.112
- XIII. **'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
- XIV. **'Mikrodalga Yöntemi ile Metalli Ftalosiyanın Komplekslerinin Sentezi ve Karakterizasyonu**  
SAKA E. T., YILDIRIM N., KANTEKİN H.  
2. Ulusal Anorganik Kimya Kongresi, Elazığ, Türkiye, ss.89
- XV. **'Farklı Süstitüent Gruplar İçeren Organosoluble Metalli Ftalosiyanınlerin Spektroskopik Bulgular ile Karakterizasyonu**  
SAKA E. T., KANTEKİN H.  
11. Ulusal Spektroskopi Kongresi, Ankara, Türkiye, ss.111
- XVI. **Karışık Donörlü Makrosiklik Grup Taşıyan Yeni (E,E)-Dioksim ve Metal Komplekslerinin Sentezi ve Karakterizasyonu**  
SAKA E. T., BIYIKLIOĞLU Z., KANTEKİN H.  
1. Ulusal Anorganik Kimya Günleri, Adana, Türkiye, ss.48
- XVII. **'Mikrodalga Yardımıyla Co(II) Ftalosiyanınin Sentezi, Karakterizasyonu ve Alkol Oksidasyonu Üzerine Katalitik Aktivitesinin İncelenmesi**  
SAKA E. T., BIYIKLIOĞLU Z., Kani İ., KANTEKİN H.  
4th National Catalysis Conference, Kocaeli, Türkiye, ss.104
- XVIII. **'Synthesis, Characterization and Catalytic Activity on Cyclohexene Oxidation of Peripherally Tetra-Substituted Cobalt(II) Phthalocyanine**  
SAKA E. T., BIYIKLIOĞLU Z., Kani İ., KANTEKİN H.  
4th European Chemistry Congress, Çek Cumhuriyeti, ss.987
- XIX. **'Yeni Tip Organosoluble Metalli Ftalosiyanınlerin Sentezi ve Karakterizasyonu**  
SAKA E. T., KANTEKİN H.  
2. Ulusal Anorganik Kimya Kongresi, Elazığ, Türkiye, ss.58
- XX. **Yeni Bir Çözünür Ftalosiyanın ve Metal Komplekslerinin sentezi ve Karakterizasyonu**  
SAKA E. T., BIYIKLIOĞLU Z., KANTEKİN H.  
21. Ulusal Kimya Kongresi konferansı, Malatya, Türkiye, ss.48
- XXI. **Electrochemical and Aggregation Properties of New Silicon Phthalocyanine**  
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