

Assoc. Prof. ASIYE NAS

Personal Information

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Education Information

Doctorate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Kimya/Anorganik Kimya, Turkey 2006 - 2013

Postgraduate, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Kimya/Anorganik Kimya, Turkey 2005 - 2006

Undergraduate, Karadeniz Technical University, Fen Edebiyat Fakültesi, Turkey 1999 - 2004

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Tetra sübtitüe grup içeren yeni ftalosiyanimlerin elektrokimyasal, fotofiziksel ve fotokimyasal özelliklerinin incelenmesi, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Kimya, 2013

Postgraduate, Karışık Donörlü Makrosikliklerin Ekstraksiyon Özelliklerinin İncelenmesi, vic-Dioksim Kompleks Formasyonlarının Sentezi ve Karakterizasyonu, Karadeniz Technical University, Fen Bilimleri Enstitüsü, Kimya, 2006

Research Areas

Chemistry, Inorganic Chemistry, Transition Metals, Coordination Chemistry, Organometallic Chemistry, Natural Sciences

Academic Titles / Tasks

Associate Professor, Karadeniz Technical University, Maçka Meslek Yüksekokulu, Kimya Ve Kimyasal İşlem Teknolojileri, 2018 - Continues

Assistant Professor, Karadeniz Technical University, Maçka Meslek Yüksekokulu, Kimya Ve Kimyasal İşlem Teknolojileri, 2018 - 2018

Assistant Professor, Karadeniz Technical University, Maçka Meslek Yüksekokulu, Kimya Ve Kimyasal İşlem Teknolojileri, 2014 - 2018

Research Assistant, Karadeniz Technical University, Fen Fakültesi, Kimya, 2009 - 2013

Academic and Administrative Experience

Deputy Head of Department, Karadeniz Technical University, Maçka Meslek Yüksekokulu, Kimya Ve Kimya İşlemleri

Teknikleri, 2021 - Continues

Deputy Head of Department, Karadeniz Technical University, Maçka Meslek Yüksekokulu, Kimya Ve Kimya İşlemleri Teknikleri, 2020 - 2021

Karadeniz Technical University, Maçka Meslek Yüksekokulu, 2017 - 2020

Courses

MESLEK HESAPLARI, Associate Degree, 2014 - 2015, 2016 - 2017, 2017 - 2018, 2018 - 2019

Bitki ve Toprak Analizleri, Associate Degree, 2019 - 2020

TEKNİK PROJE, Associate Degree, 2014 - 2015, 2015 - 2016, 2016 - 2017, 2017 - 2018, 2018 - 2019

MESLEKİ DENEYİM-I, Associate Degree, 2014 - 2015, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020

Genel Matematik, Associate Degree, 2019 - 2020

Mesleki Deneyim-II, Associate Degree, 2016 - 2017, 2017 - 2018, 2018 - 2019

Kimya-II, Associate Degree, 2016 - 2017, 2017 - 2018, 2019 - 2020

Genel Kimya-II, Associate Degree, 2016 - 2017, 2017 - 2018, 2018 - 2019

Laboratuar Teknikleri-II, Associate Degree, 2016 - 2017, 2017 - 2018, 2018 - 2019

Laboratuar Aletlerinin bakımı ve Kullanımı, Associate Degree, 2016 - 2017, 2017 - 2018, 2018 - 2019, 2019 - 2020

Kimya-I, Associate Degree, 2016 - 2017, 2017 - 2018, 2018 - 2019

Bitki ve Toprak Analizleri, Associate Degree, 2016 - 2017, 2017 - 2018, 2018 - 2019

Genel Kimya-I, Associate Degree, 2016 - 2017, 2017 - 2018, 2018 - 2019

MESLEKİ DENEYİM II, Associate Degree, 2014 - 2015, 2015 - 2016

TEKSTİL VE BOYAR MADDELER, Associate Degree, 2014 - 2015

LABORATUVAR TEKNİKLERİ II, Associate Degree, 2014 - 2015

MATEMATİK-II, Associate Degree, 2014 - 2015

KİMYADA TEMEL KAVRAMLAR LAB, Associate Degree, 2014 - 2015

BİTKİ VE TOPRAK ANALİZİ, Associate Degree, 2014 - 2015

MATEMATİK, Associate Degree, 2014 - 2015

LABORATUVAR ALETLERİNİN BAKIMI VE KULLANIMI, Associate Degree, 2014 - 2015

ENSTRÜMENTAL ANALİZ LAB, Associate Degree, 2014 - 2015

Jury Memberships

Post Graduate, SYMMETRY AND ASYMMETRY IN ELECTROCATALYSIS: ENHANCING, THE ELECTROCATALYTIC ACTIVITY OF PHTHALOCYANINES THROUGH SYNERGY WITH DOPED GRAPHENE QUANTUM DOTS, Rhodes University, March, 2019

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

- I. **Synthesis, characterization, and photochemical properties of novel peripherally and non-peripherally tetra substituted zinc(II) and magnesium(II) phthalocyanines containing 4-(1,5-diphenyl-4,5-dihydro-1H-pyrazol-3-yl)phenol units**
Yalazan H., Koc M., Fandakli S., Nas A., Durmus M., Kantekin H.
POLYHEDRON, vol.170, pp.576-583, 2019 (Journal Indexed in SCI)
- II. **The peripheral and non-peripheral 2H-benzotriazole substituted phthalocyanines: Synthesis, characterization, photophysical and photochemical studies of zinc derivatives**
Dilber G., Altunparmak H., Nas A., Kantekin H., Durmus M.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.217, pp.128-140, 2019 (Journal Indexed in SCI)

- III. **Characterization and purification of 1,2,4-triazole-containing phthalocyanines synthesized by microwave method and structure elucidation by spectroscopic techniques**
Nas A., Demirbaş Ü., Gümrükçüoğlu N., Kantekin H.
TURKISH JOURNAL OF CHEMISTRY, vol.43, no.1, pp.229-238, 2019 (Journal Indexed in SCI)
- IV. **Simultaneous determination of theophylline and caffeine on novel [Tetra-(5-chloroquinolin-8-yloxy) phthalocyanato] manganese(III)-Carbon nanotubes composite electrode**
Kocak C. C. , Nas A., Kantekin H., Dursun Z.
TALANTA, vol.184, pp.452-460, 2018 (Journal Indexed in SCI)
- V. **Tetra(3-(1,5-diphenyl-4,5-dihydro-1H-pyrazol-3-yl) phenoxy) substituted cobalt, iron and manganese phthalocyanines: Synthesis and electrochemical analysis**
Nas A., Biyıklıoğlu Z., Fandaklı S., Sarkı G., Yalazan H., Kantekin H.
INORGANICA CHIMICA ACTA, vol.466, pp.86-92, 2017 (Journal Indexed in SCI)
- VI. **The photo-physicochemical properties of an octa-substituted zinc phthalocyanine containing 1,2,4-triazole moieties**
Nas A.
JOURNAL OF COORDINATION CHEMISTRY, vol.69, no.8, pp.1326-1336, 2016 (Journal Indexed in SCI)
- VII. **L shell X-ray fluorescence parameters of Pb in phthalocyanine complexes**
Dogan M., Cengiz E., Nas A., Tıraşoğlu E., Kantekin H., Aylikci V.
APPLIED RADIATION AND ISOTOPES, vol.104, pp.43-48, 2015 (Journal Indexed in SCI)
- VIII. **Electrochemical and Spectroelectrochemical Analysis of 4-(4-(5-Phenyl-1,3,4-oxadiazole-2-yl)phenoxy)-Substituted Cobalt(II), Lead(II) and Metal-Free Phthalocyanines**
Nas A., Kantekin H., Koca A.
ELECTROANALYSIS, vol.27, no.7, pp.1602-1609, 2015 (Journal Indexed in SCI)
- IX. **The influence of the various central metals on photophysical and photochemical properties of benzothiazole-substituted phthalocyanines**
Nas A., Dilber G., Durmus M., Kantekin H.
SPECTROCHIMICA ACTA PART A-MOLECULAR AND BIOMOLECULAR SPECTROSCOPY, vol.135, pp.55-62, 2015 (Journal Indexed in SCI)
- X. **Unmetallated and metallated phthalocyanines bearing oxadiazole groups: Synthesis, photophysical and photochemical studies**
Nas A., Kantekin H., Durmus M., Gümrükçüoğlu N.
JOURNAL OF LUMINESCENCE, vol.154, pp.15-21, 2014 (Journal Indexed in SCI)
- XI. **K shell X-ray fluorescence parameters of Co, Ni, Cu and Zn in phthalocyanine complexes**
Dogan M., Cengiz E., Dilber G., Nas A., Tıraşoğlu E., Kantekin H.
RADIATION PHYSICS AND CHEMISTRY, vol.101, pp.30-35, 2014 (Journal Indexed in SCI)
- XII. **Novel 4-(2-(benzo[d]thiazol-2-yl)phenoxy) substituted phthalocyanine derivatives: Synthesis, electrochemical and in situ spectroelectrochemical characterization**
Nas A., Kantekin H., Koca A.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.757, pp.62-71, 2014 (Journal Indexed in SCI)
- XIII. **The photophysical and photochemical properties of new unmetallated and metallated phthalocyanines bearing four 5-chloroquinolin-8-yloxy substituents on peripheral sites**
Nas A., Demirbaş Ü., Piskin M., Durmus M., Kantekin H.
JOURNAL OF LUMINESCENCE, vol.145, pp.635-642, 2014 (Journal Indexed in SCI)
- XIV. **The synthesis of novel unmetallated and metallated phthalocyanines including (E)-4-(3-cinnamoylphenoxy) groups at the peripheral positions and photophysicochemical properties of their zinc phthalocyanine derivatives**
Nas A., Kahriman N., Kantekin H., Yaylı N., Durmus M.
DYES AND PIGMENTS, vol.99, no.1, pp.90-98, 2013 (Journal Indexed in SCI)
- XV. **Novel organosoluble metal-free and metallophthalocyanines bearing triazole moieties: Microwave assisted synthesis and determination of photophysical and photochemical properties**
Nas A., Fandaklı S., Kantekin H., Demirbaş A., Durmus M.

DYES AND PIGMENTS, vol.95, no.1, pp.8-17, 2012 (Journal Indexed in SCI)

- XVI. **Microwave-assisted synthesis and characterization of novel symmetrical substituted 19-membered tetrathiadiaza metal-free and metallophthalocyanines and investigation of their biological activities**
Nas A., Kaya E. C., Kantekin H., Sokmen A., Cakr V.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.696, no.8, pp.1659-1663, 2011 (Journal Indexed in SCI)
- XVII. **Synthesis and characterization of a new organo-soluble metal-free and metallophthalocyanines bearing flexible moieties**
Nas A., Kantekin H.
POLYHEDRON, vol.30, no.6, pp.1085-1090, 2011 (Journal Indexed in SCI)
- XVIII. **Microwave-assisted synthesis and characterization of a new soluble metal-free and metallophthalocyanines peripherally fused to four 18-membered tetrathiadiaza macrocycles**
Kantekin H., Dilber G., Nas A.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, vol.695, no.8, pp.1210-1214, 2010 (Journal Indexed in SCI)
- XIX. **The synthesis and characterization of a new (E,E)-dioxime containing 18-membered dithiadiazadioxamacrocyclic moieties and its mononuclear complexes**
Kantekin H., Bakaray A., Biyiklioglu Z., Kihcaslan M. B.
TRANSITION METAL CHEMISTRY, vol.33, no.2, pp.161-165, 2008 (Journal Indexed in SCI)
- XX. **The synthesis and characterization of a new (E,E)-dioxime containing 13-membered dithiadiazamacrocyclic moieties and its mononuclear complexes**
Kantekin H., Bakaray A., Biyiklioglu Z.
TRANSITION METAL CHEMISTRY, vol.32, no.2, pp.209-213, 2007 (Journal Indexed in SCI)
- XXI. **Synthesis and metal-ion binding properties of new N2S4O2- and N2S5O2-donor macrocycles**
Kantekin H., Bakaray A., Ocak M., Alp H., Ocak U.
SEPARATION SCIENCE AND TECHNOLOGY, vol.42, no.14, pp.3243-3257, 2007 (Journal Indexed in SCI)

Supported Projects

DİLBER G., DURMUŞ M., NAS A., Project Supported by Higher Education Institutions, KARBAZOL GRUBU İÇEREN YENİ FTALOSİYANİN BİLEŞİKLERİ VE BUNLARIN SUDA ÇÖZÜNÜR KUATERNİZE TÜREVLERİNİN FOTOFİZİKSEL VE FOTOKİMYASAL ÖZELLİKLERİNİN İNCELENMESİ, 2020 - Continues

DİLBER G., BIYIKLIOĞLU Z., NAS A., Project Supported by Higher Education Institutions, Nonperiferal ve Periferal Pozisyonda Piperidin Grubu İçeren Yeni Ftalosiyanın Bileşiklerinin Sentezi ve Elektrokimyasal Özelliklerinin İncelenmesi, 2019 - Continues

NAS A., KOCA A., DİLBER G., Project Supported by Higher Education Institutions, REDOKS AKTİF MERKEZ İÇEREN PERİFERAL, NONPERİFERAL VE OKTA SÜBSTİTÜE FTALOSİYANİNLERİN ELEKTROKİMYASAL VE SPEKTROELEKTROKİMYASAL ÖZELLİKLERİNİN İNCELENMESİ, 2020 - 2021

NAS A., DURMUŞ M., DİLBER G., Project Supported by Higher Education Institutions, Asimetrik Metallsiz ve Çinko Ftalosiyanın İstatistiksel Kondenzasyon Yöntemi Kullanılarak Sentezi Fotofiziksel ve Fotokimyasal Özelliklerinin İncelenmesi, 2019 - 2021

NAS A., DİLBER G., BIYIKLIOĞLU Z., Project Supported by Higher Education Institutions, Klorokinolin Sübstütü Grupları İçeren Redoks Aktif ve İnaktif Merkezli Ftalosiyanın Elektrokimyasal Özelliklerinin İncelenmesi, 2018 - 2019

NAS A., KANTEKİN H., BIYIKLIOĞLU Z., FANDAKLI S., Project Supported by Higher Education Institutions, TETRA PİRAZOL SÜBSTİTÜE GRUP İÇEREN METALLİ VE METALLSİZ FTALOSİYANİNLERİN SENTEZİ KARAKTERİZASYONU VE ELEKTROKİMYASAL ÖZELLİKLERİNİN İNCELENMESİ, 2016 - 2017

Scientific Refereeing

Current Organic Synthesis, SCI Journal, December 2019

Chemistry Select, SCI Journal, July 2019

Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry, SCI Journal, November 2018
Journal of Coordination Chemistry, SCI Journal, June 2018
Journal of Coordination Chemistry, SCI Journal, February 2018
Journal of Coordination Chemistry, SCI Journal, July 2017
Journal of Coordination Chemistry, SCI Journal, July 2017
Inorganic Chimica Acta, SCI Journal, May 2017

Edit Congress and Symposium Activities

A Green Chemistry Approach with Microwave Synthesis for the Phthalocyanines Compounds, Attendee, Turkey, 2019
An environmentally friendly synthesis method of 5-chloroquinolin-8-yloxy substituted phthalocyanines., Attendee, Antalya, Turkey, 2019
Comparison of Microwave Method with Conventional Method in the Synthesis of 4-(2-(benzo[d]thiazol-2-yl)phenoxy) Substituted Metallated and Unmetallated Phthalocyanines, Attendee, Turkey, 2019
A Potential Method for Green Chemistry - Microwave Synthesis for the Phthalocyanines Compounds, Attendee, Turkey, 2019
Synthesis of Tetra(3-(1,5-diphenyl-4,5-dihydro-1H-pyrazol-3-yl)phenoxy) Substituted Metallated phthalocyanines by Conventional and Microwave Irradiation Method, Attendee, Antalya, Turkey, 2018
1,2,4-Triazol Süstitüe Grup İçeren Periferel Metalsiz, Kurşun ve Çinko Ftalosiyanimlerin Sentezi ve Yapısal Karakterizasyonları, Attendee, Turkey, 2016
Pirazol Süstitüe Grup İçeren Yeni Ftalosiyanimlerin Sentezi ve Agregasyon Özelliklerinin İncelenmesi, Attendee, Trabzon, Turkey, 2016
Okta 1,2,4-Triazol Süstitüe Çinko Ftalosiyanim: Sentez, Karakterizasyon, Fotofiziksel ve Fotokimyasal Davranışlarının İncelenmesi, Attendee, Turkey, 2016
1,2,3-Triazol Süstitüe Grup İçeren Periferel ve Non Periferel Çinko Ftalosiyanimlerin Fotofiziksel ve Fotokimyasal Davranışlarının İncelenmesi, Attendee, Mersin, Turkey, 2015
Okta-Benzotiyazol Süstitüe Grup İçeren Metalsiz ve Metalli Ftalosiyanimlerin Elektrokimyasal Davranışlarının İncelenmesi, Attendee, Mersin, Turkey, 2015
Oksadiazol Süstitüe Grubu İçeren Ftalosiyanim Türevlerinin Fotodinamik Terapide Fotoduyarlaştırıcı Olarak Kullanılabilme Potansiyellerinin Değerlendirilmesi, Attendee, Antalya, Turkey, 2015
Fotodinamik Terapide Fotoduyarlaştırıcı Olarak Kullanılabilecek Biyoaktif Benzotiyazol Süstitüe Grubu İçeren Ftalosiyanim Türevlerinin Fotofiziksel ve Fotokimyasal Özelliklerinin İncelenmesi, Attendee, Antalya, Turkey, 2015
Synthesis, electrochemical, in situ spectroelectrochemical and electrocolorimetric measurements of novel metal-free and metallophthalocyanines bearing oxadiazole groups at the peripheral positions, Attendee, Trabzon, Turkey, 2013
The photophysical and photochemical properties of new unmetallated and metallated phthalocyanines bearing four 5-chloroquinolin-8-yloxy substituents on peripheral sites, Attendee, Trabzon, Turkey, 2013
Novel 4-(2-(benzo[d]thiazol-2-yl)phenoxy) substituted phthalocyanine derivatives: Synthesis, electrochemical and in situ spectroelectrochemical characterization., Attendee, Trabzon, Turkey, 2013
Kalkon grubu taşıyan yeni ftalosiyanimlerin sentezi ve karakterizasyonu, Attendee, Çanakkale, Turkey, 2011
Triazol süstitüe grubu içeren yeni metalsiz ve metalli ftalosiyanimlerin sentezi ve karakterizasyonu, Attendee, Çanakkale, Turkey, 2011
N2S4 türü makrosiklik grup taşıyan 19 üyeli yeni ftalosiyanimlerin mikrodalga yöntemi ile sentezi ve karakterizasyonu, Attendee, Çanakkale, Turkey, 2011
Yeni Bir Ftalosiyanim ve Metal Komplekslerinin Sentezi ve Karakterizasyonu, Attendee, Zonguldak, Turkey, 2010
Makrobisiklik Grup İçeren Yeni Bir (E,E)-Dioksim, Kompleks Bileşimlerinin Sentezi, Karakterizasyonu ve Ligandların Konformasyonel Analizlerinin İncelenmesi, Attendee, Zonguldak, Turkey, 2010
N2S2O2 türü makrosiklik grup taşıyan 18 üyeli yeni (E,E)-dioksim, metal komplekslerinin sentezi ve karakterizasyonu, Attendee, Elazığ, Turkey, 2009
Yeni çözünebilir bir ftalosiyanimin sentezi ve karakterizasyonu, Attendee, Mağusa, Turkey, 2008
N2S2 türü makrosiklik grup taşıyan yeni (E,E)-dioksim, metal komplekslerinin sentezi ve karakterizasyonu, Attendee,

Adana, Turkey, 2007

Yeni N2S4 donörlü 19 üyeli makrosiklik ligandların sentezi, karakterizasyonu ve ekstraksiyon özelliklerinin incelenmesi,
Attendee, Kayseri, Turkey, 2006

Citations

Total Citations (WOS):228

h-index (WOS):10

Awards

NAS A., 2nd Poster Presentation Award / An environmentally friendly synthesis method of 5-chloroquinolin-8-yloxy substituted phthalocyanines, 2. Envirochem, November 2019