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Kişisel Bilgiler

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Eğitim Bilgileri

Yüksek Lisans, Karadeniz Teknik Üniversitesi, Fen Fakültesi, Kimya/Anorganik, Türkiye 2015 - 2017

Lisans Çift Anadal, Karadeniz Teknik Üniversitesi, İktisadi Ve İdari Bilimler Fakültesi, İşletme, Türkiye 2007 - 2010

Lisans, Karadeniz Teknik Üniversitesi, Fen Fakültesi, Kimya, Türkiye 2006 - 2010

Yabancı Diller

İngilizce, B2 Orta Üstü

Yaptığı Tezler

Yüksek Lisans, redoks aktif kobalt, titanyum, mangan, metali ftalosiyeninlerin sentezi ve elektropolimerizasyon özellikleri, Karadeniz Teknik Üniversitesi, Fen Fakültesi, Kimya/Anorganik, 2017

Araştırma Alanları

Kimya, İnorganik Kimya, Bor Kimyası, İnorganik Halkalı Bileşikler, Temel Bilimler

Akademik Unvanlar / Görevler

Öğretim Görevlisi, Recep Tayyip Erdoğan Üniversitesi, Rektörlük, 2019 - Devam Ediyor

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayımlanan Makaleler

- Nonperipherally and peripherally substituted water-soluble magnesium (II) phthalocyanines and their DNA binding, nuclease activities**
BARUT B., SEYHAN G., KELEŞ T., Kulein B., BIYIKLIOĞLU Z.
Applied Organometallic Chemistry, cilt.38, sa.5, 2024 (SCI-Expanded)
- Treatment of wastewater containing organic pollutants in the presence of N-doped graphitic carbon and Co3O4/peroxymonosulfate**
AKÇAY H. T., DEMİR A., ÖZÇİFÇİ Z., Yumak T., KELEŞ T.
CARBON LETTERS, cilt.33, sa.5, ss.1445-1460, 2023 (SCI-Expanded)

- III. **Synthesis and acetylcholinesterase enzyme inhibition properties of axially disubstituted silicon phthalocyanines and their quaternized derivatives**
BIYIKLIOĞLU Z., KELEŞ T., ŞAHİN H.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.977, 2022 (SCI-Expanded)
- IV. **Synthesis and in vitro alpha-glucosidase and cholinesterases inhibitory actions of water-soluble metallophthalocyanines bearing ({6[3-(diethylamino)phenoxy]hexyl}oxy groups**
KELEŞ T., BIYIKLIOĞLU Z., AKKAYA D., ÖZEL A., BARUT B.
TURKISH JOURNAL OF CHEMISTRY, 2022 (SCI-Expanded)
- V. **Synthesis of water-soluble BODIPY dyes and investigation of their DNA interaction properties and cytotoxicity/phototoxicity**
KELEŞ T., BARUT B., YILDIRIM S., YALÇIN C. Ö., BIYIKLIOĞLU Z.
APPLIED ORGANOMETALLIC CHEMISTRY, cilt.35, sa.11, 2021 (SCI-Expanded)
- VI. **Recent studies of nitrogen containing heterocyclic compounds as novel antiviral agents: A review**
Mermer A., KELEŞ T., Sirin Y.
BIOORGANIC CHEMISTRY, cilt.114, 2021 (SCI-Expanded)
- VII. **Design, synthesis and biological evaluation of water soluble and non-aggregated silicon phthalocyanines, naphthalocyanines against A549, SNU-398, SK-MEL128, DU-145, BT-20 and HFC cell lines as potential anticancer agents**
KELEŞ T., Barut B., ÖZEL A., BIYIKLIOĞLU Z.
Bioorganic Chemistry, cilt.107, 2021 (SCI-Expanded)
- VIII. **Dye-sensitized solar cells based on zinc(II) phthalocyanines bearing 3-pyridin-3-ylpropoxy anchoring groups**
KELEŞ T., BIYIKLIOĞLU Z., Guzel E., Nebioglu M., Sisman I.
Applied Organometallic Chemistry, cilt.35, sa.1, 2021 (SCI-Expanded)
- IX. **Peripheral or nonperipheral tetra-[4-(9H-carbazol-9-yl)phenoxy] substituted cobalt(II), manganese(III) phthalocyanines: Synthesis, acetylcholinesterase, butyrylcholinesterase, and α -glucosidase inhibitory effects and anticancer activities**
Barut B., KELEŞ T., BIYIKLIOĞLU Z., YALÇIN C. Ö.
Applied Organometallic Chemistry, cilt.35, sa.1, 2021 (SCI-Expanded)
- X. **Synthesis of nonperipherally tetra-[5-(diethylamino)-2-formylphenoxy] substituted metallophthalocyanines and their electrochemistry**
KELEŞ T., Ünlüer D., BIYIKLIOĞLU Z., ÜNVER Y.
Turkish Journal of Chemistry, cilt.45, sa.1, ss.17-25, 2021 (SCI-Expanded)
- XI. **Novel water soluble BODIPY compounds: Synthesis, photochemical, DNA interaction, topoisomerases inhibition and photodynamic activity properties**
Barut B., YALÇIN C. Ö., SARI S., ÇOBAN Ö., Keles T., BIYIKLIOĞLU Z., Abudayyak M., DEMİRBAŞ Ü., ÖZEL A.
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, cilt.183, 2019 (SCI-Expanded)
- XII. **Triazole substituted metal-free, metallo-phthalocyanines and their water soluble derivatives as potential cholinesterases inhibitors: Design, synthesis and in vitro inhibition study**
Arslan T., Cakir N., Keles T., YIKLIOGLU Z. B., Senturk M.
BIOORGANIC CHEMISTRY, cilt.90, 2019 (SCI-Expanded)
- XIII. **Synthesis of water soluble silicon phthalocyanine, naphthalocyanine bearing pyridine groups and investigation of their DNA interaction, topoisomerase inhibition, cytotoxic effects and cell cycle arrest properties**
Keles T., Barut B., ÖZEL A., BIYIKLIOĞLU Z.
DYES AND PIGMENTS, cilt.164, ss.372-383, 2019 (SCI-Expanded)
- XIV. **Synthesis and electrochemical properties of peripheral, non-peripheral tetra [2-(3,5-diphenyl-1H-1,2,4-triazol-1-yl)ethoxy] substituted cobalt(II), manganese(III) phthalocyanines**
Keles T., BIYIKLIOĞLU Z., Gultekin E., BEKİRCAN O.
INORGANICA CHIMICA ACTA, cilt.487, ss.201-207, 2019 (SCI-Expanded)
- XV. **Synthesis of novel monostyryl and distyryl boron dipyrromethenes bearing 4-((2-hydroxyethyl)**

(methyl)amino group as cholinesterase and tyrosinase inhibitors

Arslan T., Keles T., BARUT B., ÖZEL A., BIYIKLIOĞLU Z.

INORGANICA CHIMICA ACTA, cilt.471, ss.121-125, 2018 (SCI-Expanded)

- XVI. **Metallophthalocyanines Bearing Polymerizable {[5-((1E)-[4-(Diethylamino)phenyl]methylene)amino]-1-naphthyl]oxy} Groups as Electrochemical Pesticide Sensor**

Akyuz D., Keles T., BIYIKLIOĞLU Z., KOCA A.

ELECTROANALYSIS, cilt.29, sa.12, ss.2913-2924, 2017 (SCI-Expanded)

- XVII. **Electrochemical pesticide sensors based on electropolymerized metallophthalocyanines**

Akyuz D., Keles T., BIYIKLIOĞLU Z., KOCA A.

JOURNAL OF ELECTROANALYTICAL CHEMISTRY, cilt.804, ss.53-63, 2017 (SCI-Expanded)

- XVIII. **Synthesis and electrochemical characterization of BODIPY dyes bearing polymerizable substituents**
BIYIKLIOĞLU Z., Keles T.

INORGANICA CHIMICA ACTA, cilt.466, ss.130-138, 2017 (SCI-Expanded)

- XIX. **Electropolymerization of Metallophthalocyanines Carrying Redox Active Metal Centers and their Electrochemical Pesticide Sensing Application**

Keles T., Akyuz D., BIYIKLIOĞLU Z., KOCA A.

ELECTROANALYSIS, cilt.29, sa.9, ss.2125-2137, 2017 (SCI-Expanded)

- XX. **A comparative study on DNA/BSA binding, DNA photocleavage and antioxidant activities of water soluble peripherally and non-peripherally tetra-3-pyridin-3-ylpropoxy-substituted Mn(III), Cu(II) phthalocyanines**

Keles T., Barut B., BIYIKLIOĞLU Z., ÖZEL A.

DYES AND PIGMENTS, cilt.139, ss.575-586, 2017 (SCI-Expanded)

- XXI. **Design, Synthesis, Characterization and Electrochemical Properties of BODIPY Dyes Containing Mono, Bis-2-Naphthyloxyhexyloxy and 4-(Benzyloxy)Phenoxyhexyloxy Groups**
BIYIKLIOĞLU Z., Keles T.

JOURNAL OF FLUORESCENCE, cilt.26, sa.6, ss.2257-2266, 2016 (SCI-Expanded)

- XXII. **Electropolymerization and Electrochemical Pesticide Sensor Application of Metallophthalocyanines Bearing Polymerizable Morpholin Groups**

Ozen U. E., Keles T., BIYIKLIOĞLU Z., KOCA A., ÖZKAYA A. R.

JOURNAL OF THE ELECTROCHEMICAL SOCIETY, cilt.163, sa.14, 2016 (SCI-Expanded)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Water Soluble Silicon Naphthalocyanine and its DNA Binding, Photocleavage, Topoisomerase Inhibition Properties**

KELEŞ T., BARUT B., BIYIKLIOĞLU Z., ÖZEL A.

1.Euroasia Biochemical Approaches Technologies Congress, 27 - 30 Ekim 2018

- II. **Investigation of Anticancer Potential of Silicon (iv) Phthalocyanine and Naphthalocyanine**

BARUT B., ÖZEL A., KELEŞ T., BIYIKLIOĞLU Z.

TBS International Biochemistry Congress 2018 29th National Biochemistry Congress, 26 - 30 Ekim 2018

Patent

Bıyıklioğlu Z., Özel A., Barut B., Keleş T., Suda Çözünebilen Agregasyon Göstermeyen Akciğer Karaciğer Meme ve Melanoma Kanseri Türlerine Karşı In Vitro Antikanser Etkili Yeni Bir Silisyum Ftalosiyanın Bileşiği, Patent, BÖLÜM C Kimya; Metalürji, Buluşun Tescil No: 2018/14012 , Standart Tescil, 2022

Metrikler

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Atıf (Scopus): 276

H-İndeks (WoS): 9

H-İndeks (Scopus): 10