Lect. TURGUT KELEŞ

Personal Information

Email: turgut.keles@erdogan.edu.tr
Web: https://avesis.erdogan.edu.tr/turgut.keles

International Researcher IDs
ORCID: 0000-0002-1911-8020
Publons / Web Of Science ResearcherID: IST-1044-2023
ScopusID: 57190972537
Yoksis Researcher ID: 292873

Education Information

Postgraduate, Karadeniz Technical University, Fen Fakültesi, Kimya/Anorganik, Turkey 2015 - 2017
Undergraduate Double Major, Karadeniz Technical University, İktisadi Ve İdari Bilimler Fakültesi, İşletme, Turkey 2007 - 2010
Undergraduate, Karadeniz Technical University, Fen Fakültesi, Kimya, Turkey 2006 - 2010

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Postgraduate, redoks aktif kobalt, titanyum, mangan, metalli ftalosiyaninlerin sentezi ve elektropolimerizasyon özellikleri, Karadeniz Technical University, Fen Fakültesi, Kimya/Anorganik, 2017

Research Areas

Chemistry, Inorganic Chemistry, Boron Chemistry, Inorganic Ring Compounds, Natural Sciences

Academic Titles / Tasks

Lecturer, Recep Tayyip Erdogan University, Rektorluk, 2019 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Dendritic, Water-Soluble, and Nonaggregated Axially Substituted Silicon Phthalocyanine as Potential Endometrial Anticancer Agent**
KELEŞ T., SEYHAN G., BIYIKLIOĞLU Z., KOLCİ K., REIS R., BARUT B.
Applied Organometallic Chemistry, vol.38, no.12, 2024 (SCI-Expanded)
II. **The effective polymeric macromolecule as peroxymonosulfate activator as an alternative to metal**

oxides in the treatment of organic dye pollutants
DEMİR A., AKÇAY H. T., ÖZÇİFÇİ Z., KELEŞ T.
MATERIALS TODAY COMMUNICATIONS, vol.39, 2024 (SCI-Expanded)

III. **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, vol.38, no.5, 2024 (SCI-Expanded)

IV. **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, vol.33, no.5, pp.1445-1460, 2023 (SCI-Expanded)

V. **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, vol.977, 2022 (SCI-Expanded)

VI. **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)

VII. **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, vol.35, no.11, 2021 (SCI-Expanded)

VIII. **Recent studies of nitrogen containing heterocyclic compounds as novel antiviral agents: A review**
Mermer A., KELEŞ T., Sirin Y.
BIOORGANIC CHEMISTRY, vol.114, 2021 (SCI-Expanded)

IX. **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, vol.107, 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, vol.45, no.1, pp.17-25, 2021 (SCI-Expanded)

XI. **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, vol.35, no.1, 2021 (SCI-Expanded)

XII. **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, vol.35, no.1, 2021 (SCI-Expanded)

XIII. **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, vol.183, 2019 (SCI-Expanded)

XIV. **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, vol.90, 2019 (SCI-Expanded)

XV. **Synthesis of water soluble silicon phthacyanine, 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, vol.164, pp.372-383, 2019 (SCI-Expanded)

XVI. **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, vol.487, pp.201-207, 2019 (SCI-Expanded)

XVII. **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, vol.471, pp.121-125, 2018 (SCI-Expanded)

XVIII. **Metallophthalocyanines Bearing Polymerizable {[5-({(1E)-[4-(Diethylamino)phenyl]methylene}amino)-1-naphthy1]oxy} Groups as Electrochemical Pesticide Sensor**
Akyuz D., Keles T., BIYIKLIOĞLU Z., KOCA A.
ELECTROANALYSIS, vol.29, no.12, pp.2913-2924, 2017 (SCI-Expanded)

XIX. **Electrochemical pesticide sensors based on electropolymerized metallophthalocyanines**
Akyuz D., Keles T., BIYIKLIOĞLU Z., KOCA A.
JOURNAL OF ELECTROANALYTICAL CHEMISTRY, vol.804, pp.53-63, 2017 (SCI-Expanded)

XX. **Electropolymerization of Metallophthalocyanines Carrying Redox Active Metal Centers and their Electrochemical Pesticide Sensing Application**
Keles T., Akyuz D., BIYIKLIOĞLU Z., KOCA A.
ELECTROANALYSIS, vol.29, no.9, pp.2125-2137, 2017 (SCI-Expanded)

XXI. **Synthesis and electrochemical characterization of BODIPY dyes bearing polymerizable substituents**
BIYIKLIOĞLU Z., Keles T.
INORGANICA CHIMICA ACTA, vol.466, pp.130-138, 2017 (SCI-Expanded)

XXII. **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, vol.139, pp.575-586, 2017 (SCI-Expanded)

XXIII. **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, vol.26, no.6, pp.2257-2266, 2016 (SCI-Expanded)

XXIV. **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, vol.163, no.14, 2016 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

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 October 2018

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

BARUT B., ÖZEL A., KELEŞ T., BIYIKLIOĞLU Z.
TBS International Biochemistry Congress 2018 29th National Biochemistry Congress, 26 - 30 October 2018

Patent

Bıyıklıoğlu Z., Özel A., Barut B., Keleş T., Suda Çözünebilen Agregasyon Göstermeyen Akciğer Karaciğer Meme ve Melanoma Kanser Türlerine Karşi In Vitro Antikanser Etkili Yeni Bir Silisyum Ftalosiyanin Bileşiği, Patent, CHAPTER C Chemistry; Metallurgy, The Invention Registration Number: 2018/14012 , Standard Registration, 2022

Metrics

Publication: 26
Citation (WoS): 251
Citation (Scopus): 284
H-Index (WoS): 9
H-Index (Scopus): 10