

Lect. PhD Barbaros Akkurt



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International Researcher IDs

ScholarID: [_CeUZ54AAAAJ](https://orcid.org/0000-0003-4066-3004)

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Publons / Web Of Science ResearcherID: A-2400-2014

ScopusID: 8427282700

Yoksis Researcher ID: 31337

Education Information

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Turkey 2003 - 2009

Postgraduate, İstanbul University-Cerrahpaşa, Institute Of Graduate Education, Department Of Chemistry, Turkey 1999 - 2002

Undergraduate, İstanbul University-Cerrahpaşa, Faculty Of Engineering, Department Of Chemistry, Turkey 1995 - 1999

Biography

1978 yılında İstanbul'da dünyaya geldim. İlk, orta ve liseyi İstanbul'da tamamladım. 1995 yılında İstanbul Üniversitesi, Mühendislik Fakültesi, Kimya Bölümüne girdim. 1999 yılında mezun oldum. Aynı yıl Anorganik Kimya anabilim dalında yüksek lisans öğrenimine ve Araştırma Görevlisi olarak hizmete başladım. 2002 yılında mezun oldum. Askerlik görevinden sonra 2003 yılında İstanbul Teknik Üniversitesi Fen Bilimleri Enstitüsü Kimya Anabilim dalı Anorganik Kimya programında doktora öğrenimime başladım. 2005 yılında İstanbul Teknik Üniversitesi Fen-Edebiyat Fakültesi Kimya Bölümü Anorganik Kimya Anabilim dalında Uzman kadrosuna atandım. 2009 yılında doktora programından mezun oldum.

Dissertations

Doctorate, Oktasüstitü ftalosiyanimlere yeni fonksiyonel gruplar kazandırılması, Istanbul Technical University, Fen Bilimleri Enstitüsü, 2009

Research Areas

Inorganic Chemistry, Coordination Chemistry, Novel Ligands

Academic Titles / Tasks

Expert, Istanbul Technical University, Fen-Edebiyat, Kimya, 2005 - Continues

Research Assistant, Istanbul University, 1999 - 2002

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **The preparation and biomedical applications of self-assembled two-dimensional sandalose gum supported polyvinyl alcohol/alginate bio-polymeric nanoparticles**
KARAKUŞ S., Akkurt B., TÜZÜN E., Ozbas F.
POLYMER BULLETIN, vol.80, no.5, pp.5313-5332, 2023 (SCI-Expanded)
- II. **Synthesis, characterization, photophysics, and photochemistry of peripherally substituted tetrakis(quinolinylethylenephenoxy)-substituted zinc(ii) phthalocyanines**
ÖZDEMİR M., Artuc G. O., Akkurt B., YALÇIN B., Satan U., DURMUŞ M., Bulut M.
NEW JOURNAL OF CHEMISTRY, vol.45, pp.9912-9921, 2021 (SCI-Expanded)
- III. **Synthesis, characterization and staining performance of peripherally and non-peripherally substituted metallo-phthalocyanines bearing 1,3-bis-(trimethylamino)-2-propoxy groups**
Özçeşmeci M., Bas S. S., Akkurt B., BOLKENT Ş., Hamuryudan E.
NEW JOURNAL OF CHEMISTRY, vol.44, no.19, pp.7786-7794, 2020 (SCI-Expanded)
- IV. **Synthesis and Biological Uses of A(3)B Type Water-Soluble Phthalocyanine Alternate to Alcian Blue**
Özçeşmeci M., SANCAR-BAS S., Akkurt B., Hamuryudan E., BOLKENT S.
CHEMISTRYSELECT, vol.3, no.45, pp.12805-12812, 2018 (SCI-Expanded)
- V. **Synthesis, in situ spectroelectrochemistry and in situ electrocolorimetry of electrochromic octakis(chloroethylsulfanyl) phthalocyaninatomanganese(III) chloride**
Akkurt B., Koca A., Hamuryudan E.
NEW JOURNAL OF CHEMISTRY, vol.33, no.11, pp.2248-2254, 2009 (SCI-Expanded)
- VI. **Enhancement of solubility via esterification: Synthesis and characterization of octakis (ester)-substituted phthalocyanines**
Akkurt B., Hamuryudan E.
DYES AND PIGMENTS, vol.79, no.2, pp.153-158, 2008 (SCI-Expanded)
- VII. **Antimicrobial activity of a series of thiosemicarbazones and their Zn-II and Pd-II complexes**
Kizilcikli I., Kurt Y. D., Akkurt B., Genel A. Y., Birteksoz S., Otuk G., Ulkuseven B.
FOLIA MICROBIOLOGICA, vol.52, no.1, pp.15-25, 2007 (SCI-Expanded)
- VIII. **Zn(II) and Pd(II) complexes of thiosemicarbazone-S-alkyl esters derived from 2/3-formylpyridine**
Kizilcikli I., Ulkuseven B., Dasedemir Y., Akkurt B.
SYNTHESIS AND REACTIVITY IN INORGANIC AND METAL-ORGANIC CHEMISTRY, vol.34, no.4, pp.653-665, 2004 (SCI-Expanded)
- IX. **Potentiometric investigation of Fe(III),Ni(II) and Cu(II) complexes of some isatin and thiophene isothiosemicarbazones**
Kizilcikli I., Akkurt B., Ulkuseven B.
REVIEWS IN INORGANIC CHEMISTRY, vol.24, no.1, pp.31-38, 2004 (SCI-Expanded)
- X. **Acidity of some 2-substituted-1H-benzimidazoles and their affinity towards Cu(II) ion**
Ulkuseven B., Kizilcikli I., Tavman A., Akkurt B.
REVIEWS IN INORGANIC CHEMISTRY, vol.21, pp.369-379, 2001 (SCI-Expanded)

Articles Published in Other Journals

- I. **The Inhibition Mechanism of Pancreatic Ductal Adenocarcinoma via LXR Receptors: A Multifaceted Approach Integrating Molecular Docking, Molecular Dynamics and Post-MD Inter-Molecular Contact**

Analysis

AĞAR S., AKKURT B., ULUKAYA E.

Asian Pacific Journal of Cancer Prevention, vol.24, no.12, pp.4103-4109, 2023 (Scopus)

II. Formation and Uses of Imidazo[1,2-a]pyrimidines and Related Compounds: A Review Comprising Years 2000-2021

Kobak R. Z., Akkurt B.

Journal of the Turkish Chemical Society, Section A: Chemistry, vol.9, no.4, pp.1335-1386, 2022 (Scopus)

III. Comparison of Polyacrylonitrile-and Polypyrrole-based Electrochemical Sensors for Detection of Propamocarb in Food Samples

KARAKUŞ S., Tasaltın C., GUROL İ., Akkurt B., Baytemir G., TASALTIN N.

Journal of the Turkish Chemical Society, Section A: Chemistry, vol.9, no.3, pp.801-808, 2022 (Peer-Reviewed Journal)

IV. Facile Preparation of Carbon Nanopillar Array

Taşaltın N., KARAKUŞ S., Akkurt B.

Journal of the Turkish Chemical Society, Section A: Chemistry, vol.9, no.4, pp.985-990, 2022 (Scopus)

V. On the Biological Importance, Preparation, and Uses of Imidazo[1,2-b]pyridazine-Based Compounds

AKKURT B.

Journal of the Turkish Chemical Society Section A: Chemistry, vol.8, no.4, pp.1217-1250, 2021 (Scopus)

VI. CURCUMIN, INCREASING ITS WATER SOLUBILITY BY ULTRASOUND AND PEG

Catalgil Giz H. H., ISCI S., BAHADORI F., Kalaycioglu Z., Akkurt B.

SIGMA JOURNAL OF ENGINEERING AND NATURAL SCIENCES-SIGMA MUHENDISLIK VE FEN BILIMLERI DERGISI, vol.35, no.1, pp.47-58, 2017 (ESCI)

Books & Book Chapters

I. Bilimsel Araştırma Sürecinde Zotero Rehberi

AKKURT B.

Kitapyurdu Doğrudan Yayıncılık, İstanbul, 2020

II. Libreoffice Math ile Matematik Formülleri

AKKURT B.

Kitapyurdu Doğrudan Yayıncılık, İstanbul, 2020

III. A SURVEY OF SOME COMPLEXES ABOUT ANTICANCER ACTIVITY APPEARED IN 2020

AKKURT B., SEVİM A. M.

in: Theory and Research in Science and Mathematics, Ercan EN, Akgül, H, Editor, Gece Kitaphı, Ankara, pp.1-20, 2020

IV. ON THE HECK REACTION: A LITERATURE SURVEY WITH SOME ARTICLES IN 2020

SEVİM A. M., AKKURT B.

in: Current Researches in Science and Mathematics Sciences, Canan DEMİR, Editor, IVPE, İstanbul, pp.89-107, 2020

V. USE OF SONOGASHIRA CARBON-CARBON COUPLING TO GIVE WAY TO NEW PHTHALOCYANINE MACROCYCLES

SEVİM A. M., AKKURT B.

in: Current Researches in Science and Mathematics Sciences, Canan Demir, Editor, IVPE, İstanbul, pp.71-88, 2020

VI. PHOTODYNAMIC THERAPY WITH PHTHALOCYANINES:A FIGHT AGAINST CANCER (VIEWS FROM THE RECENTLITERATURE)

AKKURT B., SEVİM A. M.

in: Theory and Research in Science and Mathematics II, AKGÜL Hasan, YÜKSEL Mehmet, Editor, Gece Kitaphı, Ankara, pp.1-26, 2020

VII. Some Examples for Iron Phthalocyanines as Efficient Catalysts

SEVİM A. M., AKKURT B.

in: Innovative Approaches in Science and Mathematics, Prof. Dr. Hüsniye AKA SAĞLIKER, Doç. Dr. Sadık ÇOĞAL,

Doç. Dr. Seçkin KÖROĞLU, Editor, Gece Kitaplığı, İstanbul, pp.7-19, 2018

VIII. Ftalosiyenin kullanım alanlarına örnekler

Akkurt B.

in: Fen Bilimleri ve Matematik Temel Alanı Örnek Araştırmaları Kitabı, Doç.Dr. Ali Yakar,Doç.Dr. Hüseyin Topaklı, Editor, Nobel Yayın Dağıtım, Ankara, pp.261-278, 2018

IX. ACD/ChemSketch Kitabı

AKKURT B.

Türkiye Kimya Derneği, İstanbul, 2017

Supported Projects

Akkurt B., Özçeşmeci M., Bolkent Ş., Sancar Baş S., Hamuryudan E., TUBITAK Project, Alcian Blue Boyasına Alternatif Katyonik Ftalosiyeninlerin Sentezi ve Biyolojik Kullanımı, 2015 - 2017

Activities in Scientific Journals

Journal of the Turkish Chemical Society, Section B: Chemical Engineering, Assistant Editor/Section Editor, 2016 - Continues

Journal of the Turkish Chemical Society, Section A: Chemistry, Assistant Editor/Section Editor, 2014 - Continues

Memberships / Tasks in Scientific Organizations

Türkiye Kimya Derneği, Member, 2002 - Continues, Turkey

Mobility Activity

Sabbatical Leave, Research During Graduate Education, Johannes Kepler Universitaet Linz, Austria, 2007 - 2007

Metrics

Publication: 34

Citation (WoS): 184

Citation (Scopus): 248

H-Index (WoS): 5

H-Index (Scopus): 6

Non Academic Experience

Türkiye Kimya Derneği

İstanbul Üniversitesi