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Publons / Web Of Science ResearcherID: AAW-2940-2020

ScopusID: 56816709400

Yoksis Araştırmacı ID: 180972

Eğitim Bilgileri

Doktora, Ankara Üniversitesi, Sağlık Bilimleri Enstitüsü, Farmasötik Toksikoloji Anabilim Dalı, Türkiye 2012 - 2017

Yüksek Lisans, Karadeniz Teknik Üniversitesi, Sağlık Bilimleri Enstitüsü, Tıbbi Biyokimya Anabilim Dalı, Türkiye 2009 - 2012

Lisans, Atatürk Üniversitesi, Eczacılık Fakültesi, Eczacılık, Türkiye 2002 - 2006

Yabancı Diller

İngilizce, B2 Orta Üstü

Yaptığı Tezler

Doktora, Bor maruziyetinin insanların üreme fonksiyonu üzerindeki toksik etkilerinin araştırılması , Ankara Üniversitesi, Sağlık Bilimleri Enstitüsü, Farmasötik Toksikoloji , 2017

Yüksek Lisans, Türk propolis ekstraktlarının iyonizan (Gama) radyasyonla uyarılmış insan lenfositleri üzerine olası radyoprotektif etkisinin değerlendirilmesi, Karadeniz Teknik Üniversitesi, Sağlık Bilimleri Fakültesi, Tıbbi Biyokimya, 2012

Araştırma Alanları

Sağlık Bilimleri, Eczacılık, Meslek Bilimleri, Farmasötik Toksikoloji

Akademik Unvanlar / Görevler

Doç. Dr., Karadeniz Teknik Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2021 - Devam Ediyor

Dr. Öğr. Üyesi, Karadeniz Teknik Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2018 - 2021

Yrd. Doç. Dr., Karadeniz Teknik Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2017 - 2018

Akademik İdari Deneyim

Anabilim/Bilim Dalı Başkanı, Karadeniz Teknik Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2019 - Devam Ediyor

Fakülte Yönetim Kurulu Üyesi, Karadeniz Teknik Üniversitesi, Eczacılık Fakültesi, Eczacılık, 2019 - 2022

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Synthesis, characterization, in vitro cholinesterase inhibition and cytotoxic activity of silicon(IV) phthalocyanines containing anthraquinone groups against lung and colorectal cancer cells**
KELEŞ T., BIYIKLIOĞLU Z., Ali Y. A., AKKAYA D., YALÇIN C. Ö., BARUT B.
Journal of Molecular Structure, cilt.1330, 2025 (SCI-Expanded)
- II. **Assessing Toxicological Safety of EverX Posterior and Filtek Ultimate: An In-Depth Extractable and Leachable Study Under ISO 10993-17 and 10993-18 Standards**
AYDINOĞLU A., ERDEM HEPŞENOĞLU Y., YALÇIN C. Ö., Sağır K., Ölçer Us Y., Eroğlu Ş. E., HAZAR A. B.
ACS Omega, cilt.10, sa.10, ss.9903-9918, 2025 (SCI-Expanded)
- III. **Comprehensive evaluation of the toxicological effects of commonly encountered synthetic cathinones using in silico methods**
YALÇIN C. Ö., YILMAZ SARIALTIN S., Raitano G., Benfenati E.
TOXICOLOGY RESEARCH, sa.1, 2025 (SCI-Expanded)
- IV. **The synthesis and therapeutic effect of silicon(IV) phthalocyanines for colorectal cancer cells in photodynamic therapy by altering Wnt/13-catenin and apoptotic signaling**
BARUT B., BARUT E. N., YALÇIN C. Ö., Ali Y. A., AKKAYA D., SEYHAN G., ENGİN S., BIYIKLIOĞLU Z.
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, cilt.453, 2024 (SCI-Expanded)
- V. **In vitro cholinesterases, tyrosinase, α -glucosidase inhibitory and anticancer effects of novel silicon phthalocyanines containing geraniol/phytol**
Yalazan H., BARUT B., YALÇIN C. Ö., KANTEKİN H., YILDIRMIŞ S.
INORGANIC CHEMISTRY COMMUNICATIONS, cilt.165, 2024 (SCI-Expanded)
- VI. **Highly water soluble axial disubstituted silicon(IV) phthalocyanine, naphthalocyanine: Synthesis, DNA interaction and anticancer effects against human lung (A549), liver (SNU-398), melanoma (SK-MEL128), prostate (DU-145), breast (BT-20) cell lines**
Baş H., Biyiklioğlu Z., Barut B., Yalçın C. Ö., Özel A.
INORGANIC CHEMISTRY COMMUNICATIONS, cilt.156, 2023 (SCI-Expanded)
- VII. **Design, Synthesis, Biological Activity and Molecular Docking Studies of New Imine-Chalcone Derivatives**
Çelik G., Yılmaz G. T., BARUT B., YALÇIN C. Ö., YAYLI N.
PHARMACEUTICAL CHEMISTRY JOURNAL, cilt.57, sa.4, ss.550-558, 2023 (SCI-Expanded)
- VIII. **Evaluation of photodynamic therapy effects of novel zinc (II) phthalocyanine through a possible interaction with toll-like receptor signaling pathway**
Barut B., Yalçın C. Ö., Altun Y., Akkaya D., Barut E. N., Baş H., Biyiklioğlu Z.
APPLIED ORGANOMETALLIC CHEMISTRY, cilt.37, sa.4, 2023 (SCI-Expanded)
- IX. **DNA interaction, cytotoxic and phototoxic properties of new water-soluble zinc (II) phthalocyanines**
BIYIKLIOĞLU Z., Bas H., ALTUN ALI Y., YALÇIN C. Ö., BARUT B.
APPLIED ORGANOMETALLIC CHEMISTRY, sa.12, 2022 (SCI-Expanded)
- X. **Axially disubstituted silicon (IV) phthalocyanines containing different isoxazolyl groups: Design, syntheses, binding and in vitro phototoxic activities against SH-SY5Y cells**
Yalazan H., BARUT B., YILDIRIM S., YALÇIN C. Ö., KANTEKİN H.

Journal of Molecular Structure, cilt.1262, 2022 (SCI-Expanded)

- XI. **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)
- XII. **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., Keles T., BIYIKLIOĞLU Z., YALÇIN C. Ö.
Applied Organometallic Chemistry, cilt.35, sa.1, 2021 (SCI-Expanded)
- XIII. **The water soluble Zn(II) and Mg(II) phthalocyanines: Synthesis, photochemical, DNA photodamage and PDT effects against A549 cells**
Barut B., YALÇIN C. Ö., DEMİRBAŞ Ü.
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, cilt.405, 2021 (SCI-Expanded)
- XIV. **Photodynamic therapy effect of morpholinium containing silicon (IV) phthalocyanine on HCT-116 cells.**
YALÇIN C. Ö., Barut B., BARUT E. N., DEMİRBAŞ Ü., DİNÇER T., ENGİN S., ÖZEL A., Sena Sezen F. S.
Photodiagnosis and photodynamic therapy, cilt.32, ss.101975, 2020 (SCI-Expanded)
- XV. **Development and in vitro evaluation of BSA-coated liposomes containing Zn (II) phthalocyanine-containing ferrocene groups for photodynamic therapy of lung cancer**
ÇOBAN Ö., Barut B., YALÇIN C. Ö., ÖZEL A., BIYIKLIOĞLU Z.
Journal of Organometallic Chemistry, cilt.925, 2020 (SCI-Expanded)
- XVI. **The novel Zn(II) phthalocyanines: Synthesis, characterization, photochemical, DNA interaction and cytotoxic/phototoxic properties**
Barut B., YALÇIN C. Ö., DEMİRBAŞ Ü., AKÇAY H. T., KANTEKİN H., ÖZEL A.
JOURNAL OF MOLECULAR STRUCTURE, cilt.1218, 2020 (SCI-Expanded)
- XVII. **Effects of boric acid on cell death and oxidative stress of mouse TM3 Leydig cells in vitro**
YALÇIN C. Ö., Abudayyak M.
Journal of Trace Elements in Medicine and Biology, cilt.61, 2020 (SCI-Expanded)
- XVIII. **Evaluation of oxidative stress and immune parameters of boron exposed males and females**
Başaran N., Duydu Y., Bacanlı M., Gül Anlar H., DİLSİZ S. A., Üstündağ A., YALÇIN C. Ö., Schwerdtle T., Bolt H. M.
Food and Chemical Toxicology, cilt.142, 2020 (SCI-Expanded)
- XIX. **Photochemical and in vitro phototoxic properties of Zn (II) phthalocyanine bearing piperidinium groups on different cell lines**
Barut B., YALÇIN C. Ö., DEMİRBAŞ Ü., ÖZEL A.
JOURNAL OF ORGANOMETALLIC CHEMISTRY, cilt.921, 2020 (SCI-Expanded)
- XX. **Occupational exposure of dental technicians to methyl methacrylate: Genotoxicity assessment**
Soykut B., Erdem O., YALÇIN C. Ö., ÜSTÜNDAĞ A., DUYSU Y., Akay C., Piskin B.
MUTATION RESEARCH-GENETIC TOXICOLOGY AND ENVIRONMENTAL MUTAGENESIS, cilt.852, 2020 (SCI-Expanded)
- XXI. **Synthesis of axially disubstituted quaternized silicon phthalocyanines as a promising photosensitizer for the photodynamic treatment of HCT-116, A549 and SH-SY5Y cancer cell lines**
YALÇIN C. Ö., Bas H., Barut B., ÖZEL A., BIYIKLIOĞLU Z.
DALTON TRANSACTIONS, sa.15, ss.4927-4934, 2020 (SCI-Expanded)
- XXII. **Synthesis, DNA interaction, *in vitro* / *in silico* topoisomerase II inhibition and photodynamic therapy activities of two cationic BODIPY derivatives**
Barut B., COBAN O., YALÇIN C. Ö., Bas H., SARI S., Biyiklioglu Z., Demirbas Ü., ÖZEL A.
DYES AND PIGMENTS, 2020 (SCI-Expanded)
- XXIII. **DNA interaction and anticancer properties of new peripheral phthalocyanines carrying tosylated 4-morpholinoaniline units**
Yalazan H., Barut B., Ertem B., Yalçin C. Ö., Ünver Y., Özel A., Omeroglu I., Durmus M., Kantekin H.

POLYHEDRON, cilt.177, 2020 (SCI-Expanded)

- XXIV. **Non-aggregated axially disubstituted silicon phthalocyanines: Synthesis, DNA cleavage and in vitro cytotoxic/phototoxic anticancer activities against SH-SY5Y cell line**
Barut B., Biyikhoglu Z., YALÇIN C. Ö., Abudayyak M.
DYES AND PIGMENTS, cilt.172, 2020 (SCI-Expanded)
- XXV. **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)
- XXVI. **Evaluation of the DNA damage in lymphocytes, sperm and buccal cells of workers under environmental and occupational boron exposure conditions.**
BAŞARAN N., DUYDU Y., ÜSTÜNDAĞ A., TANER G., AYDIN S., ANLAR H., Yalçin C. Ö., BACANLI M., AYDOS K., ATABEKOĞLU C., et al.
Mutation research, cilt.843, ss.33-39, 2019 (SCI-Expanded)
- XXVII. **Environmental boron exposure does not induce DNA damage in lymphocytes and buccal cells of females: DNA damage in lymphocytes and buccal cells of boron exposed females.**
BAŞARAN N., DUYDU Y., ÜSTÜNDAĞ A., TANER G., Aydın D., ANLAR H., Yalçin C. Ö., BACANLI M., GOLKA K., SCHWERDTLE T., et al.
Journal of trace elements in medicine and biology : organ of the Society for Minerals and Trace Elements (GMS), cilt.53, ss.150-153, 2019 (SCI-Expanded)
- XXVIII. **Boron-exposed male workers in Turkey: no change in sperm Y:X chromosome ratio and in offspring's sex ratio**
Duydu Y., Başaran N., Yalçin C. Ö., Üstündağ A., Aydın S., Anlar H. G., Bacanlı M., Aydos K., Atabekoğlu C. S., Golka K., et al.
Archives of Toxicology, cilt.93, sa.3, ss.743-751, 2019 (SCI-Expanded)
- XXIX. **Synthesis & anticancer evaluation of new substituted 2-(3,4- Dimethoxyphenyl)benzazoles**
Karaaslan C., Duydu Y., Ustundag A., Yalcin C. Ö., Kaskatepe B., Goker H.
Medicinal Chemistry, cilt.15, sa.3, ss.287-297, 2019 (SCI-Expanded)
- XXX. **Evaluation of FSH, LH, testosterone levels and semen parameters in male boron workers under extreme exposure conditions**
Duydu Y., Başaran N., Aydın S., Üstündağ A., Yalçin C. Ö., Anlar H. G., Bacanlı M., Aydos K., Atabekoğlu C. S., Golka K., et al.
Archives of Toxicology, cilt.92, sa.10, ss.3051-3059, 2018 (SCI-Expanded)
- XXXI. **Birth weights of newborns and pregnancy outcomes of environmentally boron-exposed females in Turkey**
Duydu Y., Başaran N., Üstündağ A., Aydın S., Yalçin C. Ö., Anlar H. G., Bacanlı M., Aydos K., Atabekoğlu C. S., Golka K., et al.
Archives of Toxicology, cilt.92, sa.8, ss.2475-2485, 2018 (SCI-Expanded)
- XXXII. **Evaluation of the radioprotective effect of Turkish propolis on foreskin fibroblast cells**
Yalcin C. Ö., ALİYAZICIOĞLU Y., DEMİR S., Turan I., BAHAT Z., Mısır S., DEĞER O.
Journal of Cancer Research and Therapeutics, cilt.12, sa.2, ss.990-994, 2016 (SCI-Expanded)
- XXXIII. **Synthesis and In Vitro Activity of Polyhalogenated 2-phenylbenzimidazoles as a New Class of anti-MRSA and Anti-VRE Agents.**
GÖKER H., KARAASLAN C., PÜSKÜLLÜ M., YILDIZ S., DUYDU Y., ÜSTÜNDAĞ A., Yalcin C. Ö.
Chemical biology & drug design, cilt.87, ss.57-68, 2016 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

1. **Evaluation of Cytotoxic Effects of 2-Monochloropropanediol (2-MCPD) on Mouse TM3 Leydig and TM4 Sertoli Cells in vitro**

YALÇIN C. Ö., YILMAZ SARIALTIN S., ABUDAYYAK M., YENİLMEZ E.

Journal of Nutrition and Dietetics, cilt.48, sa.1, ss.55-62, 2020 (Hakemli Dergi)

- II. **Is there an association between extreme levels of boron exposure and decrease in Y:X sperm ratio in men? results of an epidemiological study** Erkeklerde Y:X sperm oranındaki azalma ile aşırı düzeyde bor maruziyeti arasında bir ilişki var mıdır? epidemiyolojik çalışma sonuçları

Yalcin C. Ö., Ustundag A., Duydu Y.

Turkish Journal of Pharmaceutical Sciences, cilt.16, sa.1, ss.96-100, 2019 (ESCI)

Metrikler

Yayın: 65

Atıf (WoS): 299

Atıf (Scopus): 352

H-İndeks (WoS): 11

H-İndeks (Scopus): 13

Akademi Dışı Deneyim

Kamu Hastanesi, Sağlık Bakanlığı, Eczacı, Eczacı