

Prof. GÜLŞEN AKALIN ÇİFTÇİ

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Eskisehir Osmangazi University, Sağlık Bilimleri Enstitüsü, Tıbbi Biyokimya (Dr), Turkey 2004 - 2010

Postgraduate, Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Biyokimya (YI) (Tezli), Turkey 2002 - 2004

Undergraduate, Anadolu University, ECZACILIK FAKÜLTESİ, Eczacılık Pr., Turkey 1997 - 2001

Dissertations

Doctorate, Hiperkolesterolemik ratlarda, statin ve tiazolidindion tedavisi ile aterosjenik risk faktörleri, endotelial fonksiyonlar ve inflamasyon markırlarının değerlendirilmesi, Eskisehir Osmangazi University, Sağlık Bilimleri Enstitüsü, Tıbbi Biyokimya (Dr), 2010

Postgraduate, Bazı sentetik bileşiklerin kanserli hücre içi protein aktivasyonuna ve apoptose olan etkileri, Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Biyokimya (YI) (Tezli), 2004

Research Areas

Health Sciences

Academic Titles / Tasks

Professor, Anadolu University, ECZACILIK FAKÜLTESİ, TEMEL ECZACILIK BİLİMLERİ BÖLÜMÜ, 2020 - Continues

Associate Professor, Anadolu University, ECZACILIK FAKÜLTESİ, TEMEL ECZACILIK BİLİMLERİ BÖLÜMÜ, 2016 - 2020

Assistant Professor, Anadolu University, ECZACILIK FAKÜLTESİ, TEMEL ECZACILIK BİLİMLERİ BÖLÜMÜ, 2012 - 2016

Research Assistant, Anadolu University, ECZACILIK FAKÜLTESİ, TEMEL ECZACILIK BİLİMLERİ BÖLÜMÜ, 2001 - 2012

Academic and Administrative Experience

Anadolu University, 2022 - Continues

Courses

TEZ, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2015 - 2016
BİYOMOLEKÜLLER, Postgraduate, 2019 - 2020
NÜKLEİK ASİT METABOLİZMASI, Postgraduate, 2019 - 2020
MEZUNİYET PROJESİ II(TÜR)X5 GRUBU, Undergraduate, 2019 - 2020, 2018 - 2019, 2016 - 2017, 2015 - 2016, 2012 - 2013
KANITA DAYALI ECZACILIK VE ARAŞTIRMA IV, Undergraduate, 2019 - 2020
BİYOKİMYA II, Undergraduate, 2019 - 2020, 2016 - 2017
NÜKLEOTİD BİYOKİMYASI, Postgraduate, 2019 - 2020
SEMİNER, Postgraduate, 2019 - 2020, 2017 - 2018, 2016 - 2017
MEZUNİYET PROJESİ I (TÜR) X5 GRUBU, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2012 - 2013
KLİNİK BİYOKİMYA, Undergraduate, 2019 - 2020
BİYOKİMYA UYGULAMALARI, Undergraduate, 2019 - 2020, 2015 - 2016, 2013 - 2014, 2012 - 2013
BİYOKİMYASAL LABORATUAR TEKNİKLERİ, Postgraduate, 2019 - 2020
UZMANLIK ALAN DERSİ, Postgraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016
TEMEL BİYOKİMYA, Associate Degree, 2018 - 2019, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2012 - 2013
ECZACILIK VE TEMEL TIP BİLİMLERİ I, Undergraduate, 2018 - 2019
İLAÇ TASARIMINDA BİYOKİMYASAL YAKLAŞIMLAR, Associate Degree, 2018 - 2019
LİPİD METABOLİZMASI, Doctorate, 2018 - 2019
BİYOKİMYASAL KASKAD SİSTEMLER, Postgraduate, 2018 - 2019, 2016 - 2017, 2015 - 2016
İLAÇ TASARIMINDA BİYOKİMYASAL YAKLAŞIMLAR, Postgraduate, 2017 - 2018, 2015 - 2016, 2014 - 2015
NÜKLEOTİD BYOKİMYASI, Postgraduate, 2017 - 2018
HORMON BİYOKİMYASI, Postgraduate, 2017 - 2018
BİYOKİMYASAL LABORATUVAR TEKNİKLERİ, Postgraduate, 2017 - 2018
MOLEKÜLER BİYOLOJİ, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015
BİYOKİMYA I, Undergraduate, 2016 - 2017
TEZ, Associate Degree, 2016 - 2017
KLİNİK BİYOKİMYA UYGULAMALARI, Associate Degree, 2016 - 2017, 2015 - 2016, 2014 - 2015
İMMÜN SİSTEM BİYOKİMYASI, Postgraduate, 2016 - 2017, 2015 - 2016
DOKU BİYOKİMYASI, Postgraduate, 2016 - 2017, 2015 - 2016
Biyokimyasal Omik Yaklaşımlar, Postgraduate, 2015 - 2016
Sitokinler, Hücre Büyüme Kontrolü ve İlgili Hastalıklar, Postgraduate, 2015 - 2016
X5 Mezuniyet Projesi II, Undergraduate, 2014 - 2015
X5 Mezuniyet Projesi I, Undergraduate, 2013 - 2014
Hormon Biyokimyası, Undergraduate, 2012 - 2013
Klinik Biyokimya, Associate Degree, 2012 - 2013

Advising Theses

GÜLŞEN A. Ç., Oriyentin ve visenin'nin anti kanser ajan olarak akciğer kanser hücre hatları üzerinde etkisinin incelenmesi ve sema 3F, NP-2 ve VEGF üzerinden araştırılması, Postgraduate, H.AL(Student), 2021
GÜLŞEN A. Ç., Lomustin ve Metformin Kombinasyonu Kullanılarak C6 Glioblastoma Hücrelerinde Yüksek Glukoz ve Düşük Glukoz Konsantrasyonlarında Glioma'nın Tedavisi, Doctorate, M.TİLTAY(Student), 2019
GÜLŞEN A. Ç., Betülin molekülünün bazı bakterilerle biyotransformasyonu ve apoptotik etkilerinin incelenmesi, Postgraduate, Ş.GAMZE(Student), 2018

Published journal articles indexed by SCI, SSCI, and AHCI

1. Design and synthesis of new benzothiazole-piperazine derivatives and *in vitro*

and *in silico* investigation of their anticancer activity

Evren A. E., Ekselli B., YURTTAŞ L., TEMEL H. E., AKALIN ÇİFTÇİ G.

JOURNAL OF MOLECULAR STRUCTURE, vol.1320, 2025 (SCI-Expanded)

- II. **Pharmacophore-Based Modeling, Synthesis, and Biological Evaluation of Novel Quinazoline/Quinoline Derivatives: Discovery of EGFR Inhibitors with Low Nanomolar Activity**
EVREN A. E., SAĞLIK ÖZKAN B. N., AKALIN ÇİFTÇİ G., YURTTAŞ L.
ADVANCED THEORY AND SIMULATIONS, 2024 (SCI-Expanded)
- III. **Synthesis of Some New 1,3,4-Oxadiazole Derivatives and Evaluation of Their Anticancer Activity**
Yurttas L., Evren A. E., Kubilay A., Aksoy M. O., Temel H. E., Akalın Çiftçi G.
ACS OMEGA, vol.1, pp.1, 2024 (SCI-Expanded)
- IV. **Synthesis, molecular docking, and molecular dynamic simulation studies of new 1,3,4-thiadiazole derivatives as potential apoptosis inducers in A549 lung cancer cell line**
YURTTAŞ L., EVREN A. E., AlChaib H., TEMEL H. E., AKALIN ÇİFTÇİ G.
JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS, 2023 (SCI-Expanded)
- V. **Design, synthesis and apoptotic effects of novel benzoxazole compounds**
Kaya B., YURTTAŞ L., AKALIN ÇİFTÇİ G., Aksoy M. O.
ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION C-A JOURNAL OF BIOSCIENCES, vol.78, no.11-12, pp.433-440, 2023 (SCI-Expanded)
- VI. **Design, synthesis and biological evaluation of novel tetralone/indanone containing thiosemicarbazone derivatives with selective COX-2 inhibition as anticancer agents**
Kuran E. D., Dincel E. D., BİLTEKİN KALELİ S. N., AKALIN ÇİFTÇİ G., Ulusoy-Guzeldemirci N.
JOURNAL OF MOLECULAR STRUCTURE, vol.1286, 2023 (SCI-Expanded)
- VII. **Design, Synthesis, and Evaluation of a New Series of Hydrazones as Small-Molecule Akt Inhibitors for NSCLC Therapy**
Erdönmez B., Altıntop M. D., Akalın Çiftçi G., Özdemir A., Ece A.
ACS OMEGA, vol.8, no.22, pp.20056-20065, 2023 (SCI-Expanded)
- VIII. **Contributions of Chemical Content and Biological Activity to Plant Taxonomy Based on the Four *Allium* L. Taxa (Sect. *Cupanoscordum* - Amaryllidaceae)**
EKŞİ BONA G., Ciftci G., DEMİRCİ B., PINAR N. M., ACAR ŞAHİN A., Kocyyigit M., BONA M., GENÇLER ÖZKAN A. M.
CHEMISTRY & BIODIVERSITY, vol.20, no.5, 2023 (SCI-Expanded)
- IX. **A new series of thiazole-hydrazone hybrids for Akt-targeted therapy of non-small cell lung cancer**
Orujova T., Ece A., AKALIN ÇİFTÇİ G., ÖZDEMİR A., ALTINTOP M. D.
Drug Development Research, vol.84, no.2, pp.185-199, 2023 (SCI-Expanded)
- X. **In vitro evaluation of 2-pyrazoline derivatives as DPP-4 inhibitors**
Temel H. E., Altıntop M. D., Sever B., Özdemir A., Akalın Çiftçi G.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, no.1, pp.104-109, 2023 (SCI-Expanded)
- XI. **Discovery of Small Molecule COX-1 and Akt Inhibitors as Anti-NSCLC Agents Endowed with Anti-Inflammatory Action**
Altıntop M. D., Akalın Çiftçi G., Yılmaz Savaş N., Ertorun İ., Can B., Sever B., Temel H. E., Alataş İ. Ö., Özdemir A.
International Journal of Molecular Sciences, vol.24, no.3, 2023 (SCI-Expanded)
- XII. **Design, synthesis and biological evaluation of a new series of arylidene indanones as small molecules for targeted therapy of non-small cell lung carcinoma and prostate cancer**
Altıntop M. D., Özdemir A., Temel H. E., Cevizlidere B. D., Sever B., Kaplancıklı Z. A., Akalın Çiftçi G.
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.244, 2022 (SCI-Expanded)
- XIII. **Design, synthesis, characterization, molecular docking studies and anticancer activity evaluation of novel hydrazinecarbothioamide, 1,2,4-triazole-3-thione, 4-thiazolidinone and 1,3,4-oxadiazole derivatives**
Dincel E. D., Akdag C., Kayra T., Cosar E. D., Aksoy M. O., AKALIN ÇİFTÇİ G., Ulusoy-Guzeldemirci N.
JOURNAL OF MOLECULAR STRUCTURE, vol.1268, 2022 (SCI-Expanded)
- XIV. **A new series of thiosemicarbazone-based anti-inflammatory agents exerting their action through cyclooxygenase inhibition**

- ALTINTOP M. D., SEVER B., AKALIN ÇİFTÇİ G., Ertorun I., Alastas O., ÖZDEMİR A.
ARCHIV DER PHARMAZIE, vol.355, no.9, 2022 (SCI-Expanded)
- XV. **Synthesis, density functional theory calculation, molecular docking studies, and evaluation of novel 5-nitrothiophene derivatives for anticancer activity**
Nuha D., Evren A. E., ciyanci Z. S., TEMEL H. E., AKALIN ÇİFTÇİ G., YURTTAŞ L.
ARCHIV DER PHARMAZIE, vol.355, no.9, 2022 (SCI-Expanded)
- XVI. **New chromanone derivatives containing thiazoles: Synthesis and antitumor activity evaluation on A549 lung cancer cell line**
YURTTAŞ L., TEMEL H. E., Aksoy M. O., Bulbul E. F., AKALIN ÇİFTÇİ G.
DRUG DEVELOPMENT RESEARCH, vol.83, no.2, pp.470-484, 2022 (SCI-Expanded)
- XVII. **Apoptotic Effect of Novel Benzimidazole Derivatives Bearing Pyridyl/Pyrimidinyl Piperazine Moiety**
AKALIN ÇİFTÇİ G., TEMEL H. E., YURTTAŞ L.
ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY, vol.22, no.9, pp.1780-1792, 2022 (SCI-Expanded)
- XVIII. **Novel metabolic enzyme inhibitors designed through the molecular hybridization of thiazole and pyrazoline scaffolds**
SEVER B., TÜRKEŞ C., ALTINTOP M. D., Demir Y., AKALIN ÇİFTÇİ G., BEYDEMİR Ş.
ARCHIV DER PHARMAZIE, vol.354, no.12, 2021 (SCI-Expanded)
- XIX. **Evaluation of new sulfathiazole derivatives as antiproliferative agents**
YURTTAŞ L., AKALIN ÇİFTÇİ G., TEMEL H. E.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.46, no.5, pp.533-539, 2021 (SCI-Expanded)
- XX. **Design, synthesis, characterization, in vitro and in silico evaluation of novel imidazo[2,1-b][1,3,4]thiadiazoles as highly potent acetylcholinesterase and non-classical carbonic anhydrase inhibitors**
Askin S., Tahtaci H., TÜRKEŞ C., Demir Y., Ece A., AKALIN ÇİFTÇİ G., BEYDEMİR Ş.
BIOORGANIC CHEMISTRY, vol.113, 2021 (SCI-Expanded)
- XXI. **Identification of a new class of potent aldose reductase inhibitors: Design, microwave-assisted synthesis, in vitro and in silico evaluation of 2-pyrazolines**
SEVER B., ALTINTOP M. D., Demir Y., Yilmaz N., AKALIN ÇİFTÇİ G., BEYDEMİR Ş., ÖZDEMİR A.
CHEMICO-BIOLOGICAL INTERACTIONS, vol.345, 2021 (SCI-Expanded)
- XXII. **Novel imidazo[2,1-b]thiazole-based anticancer agents as potential focal adhesion kinase inhibitors: Synthesis, in silico and in vitro evaluation**
Basoglu F., Ulusoy-Guzeldemirci N., AKALIN ÇİFTÇİ G., ÇETİNKAYA S., Ece A.
CHEMICAL BIOLOGY & DRUG DESIGN, vol.98, no.2, pp.270-282, 2021 (SCI-Expanded)
- XXIII. **Design and Efficient Synthesis of Novel 4,5-Dimethylthiazole-Hydrazone Derivatives and their Anticancer Activity**
Evren A. E., YURTTAŞ L., Ekselli B., Aksoy O., AKALIN ÇİFTÇİ G.
LETTERS IN DRUG DESIGN & DISCOVERY, vol.18, no.4, pp.372-386, 2021 (SCI-Expanded)
- XXIV. **A new series of 2,4-thiazolidinediones endowed with potent aldose reductase inhibitory activity**
SEVER B., ALTINTOP M. D., Demir Y., TÜRKEŞ C., Ozbas K., AKALIN ÇİFTÇİ G., BEYDEMİR Ş., ÖZDEMİR A.
OPEN CHEMISTRY, vol.19, no.1, pp.347-357, 2021 (SCI-Expanded)
- XXV. **Bacterial Biotransformation and Anticancer Activities of Betulin against A549, HepG2 and 5RP7 Cancer Cell Lines**
KIRAN İ., AKALIN ÇİFTÇİ G., ATLI EKİOĞLU Ö., Akkaya S. G. K.
ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY, vol.21, no.12, pp.1581-1593, 2021 (SCI-Expanded)
- XXVI. **A new series of benzoxazole-based SIRT1 modulators for targeted therapy of non-small-cell lung cancer**
SEVER B., AKALIN ÇİFTÇİ G., ALTINTOP M. D.
ARCHIV DER PHARMAZIE, vol.354, no.1, 2021 (SCI-Expanded)
- XXVII. **An extensive research on aldose reductase inhibitory effects of new 4H-1,2,4-triazole derivatives**
SEVER B., ALTINTOP M. D., Demir Y., Pekdogan M., AKALIN ÇİFTÇİ G., BEYDEMİR Ş., ÖZDEMİR A.
JOURNAL OF MOLECULAR STRUCTURE, vol.1224, 2021 (SCI-Expanded)

- XXVIII. **A New Series of Triazolothiadiazines as Potential Anticancer Agents for Targeted Therapy of Non-small Cell Lung and Colorectal Cancers: Design, Synthesis, In silico and In vitro Studies Providing Mechanistic Insight into Their Anticancer Potencies**
SEVER B., ALTINTOP M. D., AKALIN ÇİFTÇİ G., ÖZDEMİR A.
MEDICINAL CHEMISTRY, vol.17, no.10, pp.1104-1128, 2021 (SCI-Expanded)
- XXIX. **In Vitro and In Silico Evaluation of Anticancer Activity of New Indole-Based 1,3,4-Oxadiazoles as EGFR and COX-2 Inhibitors**
SEVER B., ALTINTOP M. D., ÖZDEMİR A., AKALIN ÇİFTÇİ G., Ellakwa D. E., Tateishi H., Radwan M. O., Ibrahim M. A. A., Otsuka M., Fujita M., et al.
MOLECULES, vol.25, no.21, 2020 (SCI-Expanded)
- XXX. **Design, synthesis, in vitro and in silico investigation of aldose reductase inhibitory effects of new thiazole-based compounds**
SEVER B., ALTINTOP M. D., Demir Y., AKALIN ÇİFTÇİ G., BEYDEMİR Ş., ÖZDEMİR A.
BIOORGANIC CHEMISTRY, vol.102, 2020 (SCI-Expanded)
- XXXI. **Fe3O4 Nanopowders: Genomic and Apoptotic Evaluations on A549 Lung Adenocarcinoma Cell Line**
Kaplan A., KUTLU H. M., AKALIN ÇİFTÇİ G.
NUTRITION AND CANCER-AN INTERNATIONAL JOURNAL, vol.72, no.4, pp.708-721, 2020 (SCI-Expanded)
- XXXII. **3,4,5-Trisubstituted-1,2,4-triazole Derivatives as Antiproliferative Agents: Synthesis, In vitro Evaluation and Molecular Modelling**
YURTTAŞ L., Evren A. E., Kubilay A., TEMEL H. E., AKALIN ÇİFTÇİ G.
LETTERS IN DRUG DESIGN & DISCOVERY, vol.17, no.12, pp.1502-1515, 2020 (SCI-Expanded)
- XXXIII. **Novel Benzimidazole Derivatives: Cytotoxic and Apoptotic Properties on Lung Cancer Cell Line**
YURTTAŞ L., AKALIN ÇİFTÇİ G., Akso M. O., DEMİRAYAK Ş.
LETTERS IN DRUG DESIGN & DISCOVERY, vol.17, no.10, pp.1227-1236, 2020 (SCI-Expanded)
- XXXIV. **Design, Synthesis, In vitro and In silico Evaluation of New Hydrazone-based Antitumor Agents as Potent Akt Inhibitors**
Gungor E. M., ALTINTOP M. D., SEVER B., AKALIN ÇİFTÇİ G.
LETTERS IN DRUG DESIGN & DISCOVERY, vol.17, no.11, pp.1380-1392, 2020 (SCI-Expanded)
- XXXV. **Synthesis and biological evaluation of 5-methyl-4-phenyl thiazole derivatives as anticancer agents**
Evren A. E., YURTTAŞ L., Ekselli B., AKALIN ÇİFTÇİ G.
PHOSPHORUS SULFUR AND SILICON AND THE RELATED ELEMENTS, vol.194, no.8, pp.820-828, 2019 (SCI-Expanded)
- XXXVI. **Novel Tri-substituted Thiazoles Bearing Piperazine Ring: Synthesis and Evaluation of their Anticancer Activity**
Evren A. E., YURTTAŞ L., Ekselli B., AKALIN ÇİFTÇİ G.
LETTERS IN DRUG DESIGN & DISCOVERY, vol.16, no.5, pp.547-555, 2019 (SCI-Expanded)
- XXXVII. **Design, Synthesis, and Evaluation of a New Series of Thiazole-Based Anticancer Agents as Potent Akt Inhibitors**
ALTINTOP M. D., SEVER B., AKALIN ÇİFTÇİ G., ÖZDEMİR A.
MOLECULES, vol.23, no.6, 2018 (SCI-Expanded)
- XXXVIII. **New Quinoline Based Sulfonamide Derivatives: Cytotoxic and Apoptotic Activity Evaluation Against Pancreatic Cancer Cells**
YURTTAŞ L., AKALIN ÇİFTÇİ G.
ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY, vol.18, no.8, pp.1122-1130, 2018 (SCI-Expanded)
- XXXIX. **Synthesis and Evaluation of a New Series of Arylidene Indanones as Potential Anticancer Agents**
ÖZDEMİR A., Gokbulut S., SEVER B., AKALIN ÇİFTÇİ G., ALTINTOP M. D.
ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY, vol.18, no.10, pp.1394-1404, 2018 (SCI-Expanded)
- XL. **Some Thiazole Derivatives Combined with Different Heterocycles: Cytotoxicity Evaluation and Apoptosis Inducing Studies**
YURTTAŞ L., Demir B., AKALIN ÇİFTÇİ G.
ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY, vol.18, no.8, pp.1115-1121, 2018 (SCI-Expanded)

- XLI. New Thiazoline-Tetralin Derivatives and Biological Activity Evaluation**
Turan-Zitouni G., YURTTAŞ L., Tabbi A., AKALIN ÇİFTÇİ G., TEMEL H. E., KAPLANCIKLI Z. A.
MOLECULES, vol.23, no.1, 2018 (SCI-Expanded)
- XLII. Synthesis and Biological Evaluation of New 1,3,4-Oxadiazoles as Potential Anticancer Agents and Enzyme Inhibitors**
YURTTAŞ L., KAYA ÇAVUŞOĞLU B., AKALIN ÇİFTÇİ G., TEMEL H. E.
ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY, vol.18, no.6, pp.914-921, 2018 (SCI-Expanded)
- XLIII. A preliminary investigation of anticancer activity of novel benzothiazole derivatives against A549 lung carcinoma cell line**
YURTTAŞ L., KAYA ÇAVUŞOĞLU B., Sever A., AKALIN ÇİFTÇİ G.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.42, no.5, pp.535-544, 2017 (SCI-Expanded)
- XLIV. Phenolic Contents, in vitro Antioxidant and Cytotoxicity Activities of Salvia aethiopis L. and S. ceratophylla L. (Lamiaceae)**
ERÖZ POYRAZ İ., AKALIN ÇİFTÇİ G., ÖZTÜRK N.
RECORDS OF NATURAL PRODUCTS, vol.11, no.4, pp.345-355, 2017 (SCI-Expanded)
- XLV. Synthesis and biological evaluation of some new pyrimidine bearing 2,5-disubstituted 1,3,4-oxadiazole derivatives as cytotoxic agents**
KAYA ÇAVUŞOĞLU B., KAPLANCIKLI Z. A., YURTTAŞ L., AKALIN ÇİFTÇİ G.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.42, no.2, pp.131-137, 2017 (SCI-Expanded)
- XLVI. Novel tetrazole derivatives: synthesis, anticholinesterase activity and cytotoxicity evaluation**
YURTTAŞ L., KAPLANCIKLI Z. A., TEMEL H. E., AKALIN ÇİFTÇİ G.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.42, no.2, pp.169-180, 2017 (SCI-Expanded)
- XLVII. The apoptotic and genomic studies on A549 cell line induced by silver nitrate**
Kaplan A., AKALIN ÇİFTÇİ G., KUTLU H. M.
TUMOR BIOLOGY, vol.39, no.4, 2017 (SCI-Expanded)
- XLVIII. Biotransformation of abietic acid by fungi and biological evaluation of its metabolites**
ÖZŞEN BATUR Ö., KIRAN İ., DAĞ İ., ATLI EKİÖĞLU Ö., AKALIN ÇİFTÇİ G., DEMİRCİ F.
PROCESS BIOCHEMISTRY, vol.52, pp.130-140, 2017 (SCI-Expanded)
- XLIX. Cytotoxic, Antiproliferative and Apoptotic Effects of Perillyl Alcohol and Its Biotransformation Metabolite on A549 and HepG2 Cancer Cell Lines**
Oturanel C. E., KIRAN İ., ÖZŞEN BATUR Ö., AKALIN ÇİFTÇİ G., ATLI EKİÖĞLU Ö.
ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY, vol.17, no.9, pp.1243-1250, 2017 (SCI-Expanded)
- L. Cytotoxic, Apoptotic and DNA Synthesis Inhibitory Effects of Some Thiazole Derivatives**
AKALIN ÇİFTÇİ G., ALTINTOP M. D., TEMEL H. E., ÖZDEMİR A., KAPLANCIKLI Z. A.
LETTERS IN DRUG DESIGN & DISCOVERY, vol.14, no.5, pp.554-566, 2017 (SCI-Expanded)
- LI. Synthesis and evaluation of new benzodioxole-based dithiocarbamate derivatives as potential anticancer agents and hCA-I and hCA-II inhibitors**
Altıntop M. D., Sever B., Akalın Çiftçi G., Kucukoglu K., Özdemir A., Soleimani S. S., Nadaroğlu H., Kaplançıklı Z. A.
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.125, pp.190-196, 2017 (SCI-Expanded)
- LII. Biological Activity Evaluation of Novel 1,2,4-Triazine Derivatives Containing Thiazole/Benzothiazole Rings**
YURTTAŞ L., AKALIN ÇİFTÇİ G., TEMEL H. E., SAĞLIK B. N., Demir B., LEVENT S.
ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY, vol.17, no.13, pp.1846-1853, 2017 (SCI-Expanded)
- LIII. The LC/ESI-MSMS Profiles and Biological Potentials of Vitex agnus castus Extracts**
AĞALAR H. G., AKALIN ÇİFTÇİ G., Yildirim S. U., GÖGER F., KIRIMER N.
NATURAL PRODUCT COMMUNICATIONS, vol.11, no.11, pp.1655-1660, 2016 (SCI-Expanded)
- LIV. Synthesis and Evaluation of New Benzodioxole-Based Thiosemicarbazone Derivatives as Potential Antitumor Agents**
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- XXX. **Biological Activities and Phytochemical Analyzes of Arum italicum Miller Tubers**
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- XL. **Betülinin A549 Akciğer Adenokarsinom Hücre Hatları Üzerindeki Antiproliferatif ve Apoptotik Etkileri**
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- XLV. **Synthesis of Novel Thiazole Derivatives and Evaluation of Their Cytotoxic Effects on A549 Cells**
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- XLVI. **SYNTHESIS AND EVALUATION OF A SERIES OF BENZOXAZOLE DERIVATIVES AS NEW ANTICANCER AGENTS**
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- XLVIII. **Novel benzothiazole acetamide derivatives induces apoptosis in A549 lung adenocarcinoma**
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- XLIX. **Biological activity evaluataion of new 3 5 6 trisubstituted triazine derivatives bearing different heterocyclic rings against lung cancer cell lines**
YURTTAŞ L., AKALIN ÇİFTÇİ G., TEMEL H. E., DEMİR B.
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- L. **Some triazine-benzothiazole derivatives have cytotoxic and anticancer properties on A549 lung adenocarcinoma**
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- LI. **Cytotoxic Apoptotic and DNA Synthesis Inhibitory Effects of New Quinoxaline Derivatives**
ALTINTOP M. D., AKALIN ÇİFTÇİ G., ÖZKAY Y.
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- LII. **Synthesis and evaluation of new thiosemicarbazone derivatives as potential COX inhibitors**
ALTINTOP M. D., ÖZDEMİR A., SEVER B., AKALIN ÇİFTÇİ G., KAPLANCIKLI Z. A.
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- LIII. **Synthesis and Evaluation of DNA Inhibitory Effects of Novel Thiosemicarbazone Derivatives**
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- LIV. **Synthesis and evaluation of DNA Inhibitory Effects of Novel Thiosemicarbazone Derivatives**
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- LIX. **Inhibitory Effects of Lavandula angustifolia Essential oil on Selected Metalloproteinases**
DEMİRCİ F., TEMEL H. E., AKALIN ÇİFTÇİ G., ŞENER G., GÖĞER G., İŞCAN G., BAŞER K. H. C.
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- LX. **Novel Dibenzofuran Derivatives Synthesis And Anticholinesterase Activity**
Temel H. E., Akalın Çiftçi G., Yurttaş L., Kaya B., Kaplanıklı Z. A.
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- LXII. **The Cytotoxic activity guided fractionation of Arum Italicum Miller Rhizomes**
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- LXIII. **Synthesis and evaluation of some benzodioxole-based thiosemicarbazone derivatives as novel anticancer agents**
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- LXV. **Synthesis and Antiproliferative Activity of Some New 2,5-Disubstituted Oxadiazole Derivatives**
KAYA B., YURTTAŞ L., AKALIN ÇİFTÇİ G., KAPLANCIKLI Z. A.
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- LXVI. **Novel Morpholine Dithiocarbamate Derivatives Bearing Benzimidazole Moiety Induces Apoptosis**

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- LXVII. **Apoptotic Effect of Novel Benzimidazole Derivatives Bearing Pyridyl Pyrimidinyl Piperazine Moiety**
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- LXXI. **Synthesis and evaluation of thiazole-based oxadiazole derivatives as potential anticancer agents**
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