

Assoc. Prof. BELGİN SEVER

Personal Information

Email: belginsever@anadolu.edu.tr

Web: <https://avesis.anadolu.edu.tr/belginsever>

International Researcher IDs

ScholarID: LonDE_sAAAAJ

ORCID: 0000-0003-4847-9711

Publons / Web Of Science ResearcherID: V-8319-2017

ScopusID: 56789933000

Yoksis Researcher ID: 122098

Biography

Dr. Belgin Sever is currently an Associate Professor at the Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Anadolu University. Her research is mainly focused on the development of anticancer, antimicrobial, antidiabetic, anti-HIV and anti-ALS drug candidates, especially based on medicinal chemistry and computational chemistry disciplines. She has published many high quality articles in prestigious international peer-reviewed journals indexed by Science Citation Index (SCI) and SCI-Expanded. She was awarded first rank in her graduation from Anadolu University, Faculty of Pharmacy in 2013. She received her MSc and PhD in Pharmaceutical Chemistry from Anadolu University, Faculty of Pharmacy in 2015 and 2019, respectively. During her PhD studies, she was a recipient of the 2211-A National Scholarship Programme of the Scientific and Technological Research Council of Turkey (TUBITAK). After her PhD, she was accepted as a postdoctoral researcher of the Takeda Science Foundation International Fellowship Programme. During this time, she worked on anti-HIV drug development at Kumamoto University, Faculty of Life Sciences, Medicinal and Biological Chemistry Science Farm Joint Research Laboratory, Kumamoto, Japan from November 2020 to May 2021. Then, she was also accepted for TUBITAK 2219-International Postdoctoral Research Fellowship Programme to conduct anticancer research at the same laboratory, Faculty of Life Sciences, Kumamoto University from June 2022 to June 2023. She continues her research on anti-ALS drug development as a Japan Society for the Promotion of Science (JSPS) Postdoctoral Researcher in Japan at the same research laboratory, Faculty of Life Sciences, Kumamoto University. She was selected as "Young Woman Researcher" in the 7th Women Awards - Venus International Women Awards (VIWA) 2022" based on the VIWA 2022 Expert Committee Report and Apex Committee Recommendations. She was also awarded by the Turkish Pharmacists' Association - Academy of Pharmacy in 2022 for her contributions to pharmaceutical science. She has served on the editorial boards of Open Chemistry, Plos One, Heliyon-Pharmaceutical Science, Current Topics in Medicinal Chemistry, Frontiers in Chemistry, Frontiers in Chemical Biology, Oncology Research, Discover Oncology and Scientific Reports. She has also served as a topic editor for Pharmaceuticals, Molecules and Life.

Education Information

Post Doctorate, Kumamoto University, Faculty of Life Sciences, Medicinal and Biological Chemistry Science Farm Joint Research Laboratory, Japan 2022 - 2023

Post Doctorate, Kumamoto University, Faculty of Life Sciences, Medicinal and Biological Chemistry Science Farm Joint Research Laboratory, Japan 2020 - 2021

Doctorate, Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmasötik Kimya (Dr), Turkey 2015 - 2019

Postgraduate, Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmasötik Kimya (Yl) (Tezli), Turkey 2013 - 2015

Dissertations

Doctorate, Yeni pirazolin türevlerinin sentezi ve antikanser etki çalışmaları, Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmasötik Kimya (Dr), 2019

Postgraduate, Yeni triazolotiadiazin türevlerinin sentezi ve biyolojik etki çalışmaları, Anadolu University, SAĞLIK BİLİMLERİ ENSTİTÜSÜ, Farmasötik Kimya (Yl) (Tezli), 2015

Research Areas

Pharmaceutical Chemistry

Academic Titles / Tasks

Associate Professor, Anadolu University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2021 - Continues

Research Assistant, Anadolu University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2014 - 2021

Courses

Undergraduate

ECZ449-4(A) Farmasötik Kimya Uygulamaları, Undergraduate, 2024 - 2025

ECZ377 (M) K Kanita Dayalı Eczacılık ve Araştırma V, Undergraduate, 2024 - 2025

ECZ374-4(A) Farmasötik Kimya Uygulamaları, Undergraduate, 2024 - 2025

ECZ875 (H) Mezuniyet Projesi I, Undergraduate, 2024 - 2025

ECZ115-3 (B) Genel Kimya, Undergraduate, 2024 - 2025

ECZ453 (Y) K Kanita Dayalı Eczacılık ve Araştırma IX, Undergraduate, 2024 - 2025

ECZ236-4(B) Farmasötik Kimya Uygulamaları, Undergraduate, 2021 - 2022

ECZ876 (H) Mezuniyet Projesi II, Undergraduate, 2021 - 2022

ECZ253 (G) K Kanita Dayalı Eczacılık ve Araştırma III, Undergraduate, 2021 - 2022

ECZ379 (I) K Kanita Dayalı Eczacılık ve Araştırma VII, Undergraduate, 2021 - 2022

ECZ236-4(A) Farmasötik Kimya Uygulamaları, Undergraduate, 2021 - 2022

ECZ374-4(A) Farmasötik Kimya Uygulamaları, Undergraduate, 2021 - 2022

ECZ374-4(B) Farmasötik Kimya Uygulamaları, Undergraduate, 2021 - 2022

ECZ453 (Tür) K Kanita Dayalı Eczacılık ve Araştırma IX, Undergraduate, 2021 - 2022

ECZ875 (Tür) H Mezuniyet Projesi I, Undergraduate, 2021 - 2022

ECZ321 (Tür) Farmasötik Kimya Uygulamaları I, Undergraduate, 2021 - 2022

ECZ115-3 (Tür) A Genel Kimya, Undergraduate, 2021 - 2022

ECZ 321 Farmasötik Kimya Uygulamaları I (Tür) (Yaz Okulu), Undergraduate, 2020 - 2021

ECZ876 Mezuniyet Projesi II (Tür) H Grubu, Undergraduate, 2019 - 2020

ECZ322 Farmasötik Kimya Uygulamaları II (Tür), Undergraduate, 2019 - 2020

ECZ875 Mezuniyet Projesi I (Tür) H Grubu, Undergraduate, 2019 - 2020

ECZ321 Farmasötik Kimya Uygulamaları I (Tür) B Grubu, Undergraduate, 2019 - 2020

ECZ321 Farmasötik Kimya Uygulamaları I (Tür) A Grubu, Undergraduate, 2019 - 2020

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A Structural Insight Into Two Important ErbB Receptors (EGFR and HER2) and Their Relevance to Non-Small Cell Lung Cancer**
Topalan E., Buyukgungor A., Cigdem M., Gura S., SEVER B., Otsuka M., Fujita M., Demirci H., Ciftci H.
ARCHIV DER PHARMAZIE, no.4, 2025 (SCI-Expanded)
- II. **Design, Synthesis, and Mechanistic Anticancer Evaluation of New Pyrimidine-Tethered Compounds**
Reymova F., SEVER B., Topalan E., Sevimli-Gur C., Can M., TUYUN A. F., Basoglu F., Ece A., Otsuka M., Fujita M., et al.
PHARMACEUTICALS, no.2, 2025 (SCI-Expanded)
- III. **A Review of FDA-Approved Anti-HIV-1 Drugs, Anti-Gag Compounds, and Potential Strategies for HIV-1 Eradication**
SEVER B., Otsuka M., Fujita M., Ciftci H.
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, vol.25, no.7, 2024 (SCI-Expanded)
- IV. **New naphthalene-linked pyrazoline-thiazole hybrids as prominent antilung and antibreast cancer inhibitors**
Ciftci H., Otsuka M., Fujita M., Sever B.
TURKISH JOURNAL OF CHEMISTRY, vol.48, no.6, pp.856-866, 2024 (SCI-Expanded)
- V. **Editorial: Multi-targeted tyrosine kinase inhibitors in the treatment of cancer and neurodegenerative disorders**
SEVER B., Saso L., Tzoneva R., Onnis V., Ciftci H.
FRONTIERS IN CHEMISTRY, vol.12, 2024 (SCI-Expanded)
- VI. **Scaffold Hopping and Structural Modification of NSC 663284: Discovery of Potent (Non)Halogenated Aminobenzoquinones**
Bayrak N., Sever B., Ciftci H., Otsuka M., Fujita M., Tuyun A. F.
BIOMEDICINES, vol.12, no.1, 2024 (SCI-Expanded)
- VII. **Discovery of the Aminated Quinoxalines as Potential Active Molecules**
Bener S., Bayrak N., Mataraci-Kara E., YILDIZ M., SEVER B., Ciftci H., Tuyun A. F.
LETTERS IN DRUG DESIGN & DISCOVERY, vol.21, no.15, pp.3285-3297, 2024 (SCI-Expanded)
- VIII. **Structural Characterization of TRAF6 N-Terminal for Therapeutic Uses and Computational Studies on New Derivatives**
Guven O., Sever B., Basoglu-Unal F., Ece A., Tateishi H., Koga R., Radwan M. O., Demir N., Can M., Aytemir M. D., et al.
PHARMACEUTICALS, vol.16, no.11, 2023 (SCI-Expanded)
- IX. **Evaluation of anti-glioma effects of benzothiazoles as efficient apoptosis inducers and DNA cleaving agents**
SEVER B., Ciftci H.
MOLECULAR AND CELLULAR BIOCHEMISTRY, vol.478, no.5, pp.1099-1108, 2023 (SCI-Expanded)
- X. **Synthesis, in silico and in vitro evaluation of new 3,5-disubstituted-1,2,4-oxadiazole derivatives as carbonic anhydrase inhibitors and cytotoxic agents**
Kucukoglu K., Faydali N., Bul D., NADAROĞLU H., SEVER B., ALTINTOP M. D., Ozturk B., Guzel I.
Journal of Molecular Structure, vol.1276, 2023 (SCI-Expanded)
- XI. **In vitro evaluation of 2-pyrazoline derivatives as DPP-4 inhibitors**
Temel H. E., Altintop M. D., Sever B., Ozdemir A., Akalin Çiftçi G.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGİSİ, vol.48, no.1, pp.104-109, 2023 (SCI-Expanded)
- XII. **Studies on 1,4-Quinone Derivatives Exhibiting Anti-Leukemic Activity along with Anti-Colorectal and Anti-Breast Cancer Effects**
Ciftci H., SEVER B., Kaya N., BAYRAK N., Yıldız M., YILDIRIM H., Tateishi H., Otsuka M., Fujita M., TUYUN A. F.
Molecules, vol.28, no.1, 2023 (SCI-Expanded)
- XIII. **Design, semi-synthesis and examination of new gypsogenin derivatives against leukemia via Abl tyrosine kinase inhibition and apoptosis induction**
Ulusoy N. G., EMİRDAĞ S., Sozer E., Radwan M. O., Ciftci H., AKSEL M., ÖZMEN A., YAYLI N., KARAYILDIRIM T., ALANKUŞ Ö., et al.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.222, pp.1487-1499, 2022 (SCI-Expanded)
- XIV. **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**
Altintop 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)
- XV. **Identification of New L-Heptanoylphosphatidyl Inositol Pentakisphosphate Derivatives Targeting the Interaction with HIV-1 Gag by Molecular Modelling Studies**
Ciftci H., SEVER B., Ayan E., Can M., DeMirci H., Otsuka M., TuYuN A. F., Tateishi H., Fujita M.
PHARMACEUTICALS, vol.15, no.10, 2022 (SCI-Expanded)
- XVI. **An investigation of bacteriocin nisin anti-cancer effects and FZD7 protein interactions in liver cancer cells**
BALÇIK ERÇİN P., SEVER B.
CHEMICO-BIOLOGICAL INTERACTIONS, vol.366, 2022 (SCI-Expanded)
- XVII. **In Vitro Cytotoxicity Evaluation of Plastoquinone Analogues against Colorectal and Breast Cancers along with In Silico Insights**
Ciftci H., SEVER B., Bayrak N., Tateishi H., Otsuka M., Fujita M., TUYUN A. F., Mahmut Yildiz M. Y., YILDIRIM H.
PHARMACEUTICALS, vol.15, no.10, 2022 (SCI-Expanded)
- XVIII. **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)
- XIX. **Comprehensive Research on Past and Future Therapeutic Strategies Devoted to Treatment of Amyotrophic Lateral Sclerosis**
SEVER B., Ciftci H., DeMirci H., Sever H., Ocak F., Yulug B., Tateishi H., Tateishi T., Otsuka M., Fujita M., et al.
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, vol.23, no.5, 2022 (SCI-Expanded)
- XX. **In Vitro and In Silico Study of Analogs of Plant Product Plastoquinone to Be Effective in Colorectal Cancer Treatment**
Ciftci H., SEVER B., Ocak F., Bayrak N., YILDIZ M., YILDIRIM H., DeMirci H., Tateishi H., Otsuka M., Fujita M., et al.
MOLECULES, vol.27, no.3, 2022 (SCI-Expanded)
- XXI. **A New Series of Indeno[1,2-c]pyrazoles as EGFR TK Inhibitors for NSCLC Therapy**
ÖZDEMİR A., Ciftci H., SEVER B., Tateishi H., Otsuka M., Fujita M., ALTINTOP M. D.
MOLECULES, vol.27, no.2, 2022 (SCI-Expanded)
- XXII. **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)
- XXIII. **EGFR-Targeted Pentacyclic Triterpene Analogues for Glioma Therapy**
Ciftci H. I., Radwan M. O., SEVER B., Hamdy A. K., EMİRDAĞ S., Ulusoy N. G., Sozer E., Can M., YAYLI N., Araki N., et al.
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, vol.22, no.20, 2021 (SCI-Expanded)
- XXIV. **Design, synthesis and investigation of the mechanism of action underlying anti-leukemic effects of the quinolinequinones as LY83583 analogs**
Ciftci H., BAYRAK N., YILDIZ M., YILDIRIM H., SEVER B., Tateishi H., Otsuka M., Fujita M., Tuyun A. F.
BIOORGANIC CHEMISTRY, vol.114, 2021 (SCI-Expanded)
- XXV. **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)
- XXVI. **Structure based design, synthesis, and evaluation of anti-CML activity of the quinolinequinones as LY83583 analogs**
BAYRAK N., Ciftci H. I., YILDIZ M., YILDIRIM H., SEVER B., Tateishi H., Otsuka M., Fujita M., Tuyun A. F.
CHEMICO-BIOLOGICAL INTERACTIONS, vol.345, 2021 (SCI-Expanded)
- XXVII. **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)
- XXVIII. **Synthesis of New Bis-pyrazolines Endowed with Potent Antifungal Activity against Candida albicans and Aspergillus niger**
SEVER B., ALTINTOP M. D., ÖZDEMİR A.
LETTERS IN DRUG DESIGN & DISCOVERY, vol.18, no.1, pp.3-15, 2021 (SCI-Expanded)
- XXIX. **A New Series of Antileukemic Agents: Design, Synthesis, In Vitro and In Silico Evaluation of Thiazole-Based ABL1 Kinase Inhibitors**
Zeytun E., ALTINTOP M. D., SEVER B., ÖZDEMİR A., Ellakwa D. E., Ocak Z., Ciftci H. I., Otsuka M., Fujita M., Radwan M. O.
ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY, vol.21, no.9, pp.1099-1109, 2021 (SCI-Expanded)
- XXX. **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)
- XXXI. **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)
- XXXII. **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)
- XXXIII. **Thiazolyl-pyrazoline derivatives: In vitro and in silico evaluation as potential acetylcholinesterase and carbonic anhydrase inhibitors**
SEVER B., TÜRKEŞ C., ALTINTOP M. D., Demir Y., BEYDEMİR Ş.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.163, pp.1970-1988, 2020 (SCI-Expanded)
- XXXIV. **Pyrazole Incorporated New Thiosemicarbazones: Design, Synthesis and Investigation of DPP-4 Inhibitory Effects**
SEVER B., Soybir H., Gorgulu S., CANTÜRK Z., ALTINTOP M. D.
MOLECULES, vol.25, no.21, 2020 (SCI-Expanded)
- XXXV. **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)
- XXXVI. **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)
- XXXVII. **In vitro and in silico studies on AChE inhibitory effects of a series of donepezil-like arylidene indanones**
SEVER B., ALTINTOP M. D., TEMEL H. E.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGİSİ, vol.45, no.4, pp.359-363, 2020 (SCI-Expanded)
- XXXVIII. **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)
- XXXIX. **A Series of Furan-based Hydrazones: Design, Synthesis, and Evaluation of Antimicrobial Activity, Cytotoxicity and Genotoxicity**
ALTINTOP M. D., SEVER B., ATLI EKLİOĞLU Ö., BAYSAL M., Demirel R., ÖZDEMİR A.
LETTERS IN DRUG DESIGN & DISCOVERY, vol.17, no.3, pp.312-322, 2020 (SCI-Expanded)

- XL. **Investigation of the inhibitory effects of isoindoline-1,3-dion derivatives on hCA-I and hCA-II enzyme activities**
NADAROĞLU H., Gungor A. A., GÜNDÖĞDU Ö., KİSHALI N., SEVER B., ALTINTOP M. D.
JOURNAL OF MOLECULAR STRUCTURE, vol.1197, pp.386-392, 2019 (SCI-Expanded)
- XLI. **Design, synthesis and biological evaluation of a new series of thiazolyl-pyrazolines as dual EGFR and HER2 inhibitors**
Sever B., Altintop M. D., Radwan M. O., Özdemir A., Otsuka M., Fujita M., Ciftci H. I.
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.182, 2019 (SCI-Expanded)
- XLII. **New Benzodioxole-based Pyrazoline Derivatives: Synthesis and Anticandidal, In silico ADME, Molecular Docking Studies**
ÖZDEMİR A., SEVER B., ALTINTOP M. D.
LETTERS IN DRUG DESIGN & DISCOVERY, vol.16, no.1, pp.82-92, 2019 (SCI-Expanded)
- XLIII. **Biological evaluation of a series of benzothiazole derivatives as mosquitocidal agents**
SEVER B., ALTINTOP M. D., ÖZDEMİR A., Tabanca N., Estep A. S., Becnel J. J., Bloomquist J. R.
OPEN CHEMISTRY, vol.17, no.1, pp.288-294, 2019 (SCI-Expanded)
- XLIV. **In silico Molecular Docking and ADME Studies of 1,3,4-Thiadiazole Derivatives in Relation to in vitro PON1 Activity**
SEVER B., KÜÇÜKOĞLU K., NADAROĞLU H., ALTINTOP M. D.
CURRENT COMPUTER-AIDED DRUG DESIGN, vol.15, no.2, pp.136-144, 2019 (SCI-Expanded)
- XLV. **Design, Synthesis, and Neuroprotective Effects of a Series of Pyrazolines against 6-Hydroxydopamine-Induced Oxidative Stress**
ÖZDEMİR A., SEVER B., ALTINTOP M. D., KAYA TİLKİ E., DİKMEN M.
MOLECULES, vol.23, no.9, 2018 (SCI-Expanded)
- XLVI. **Design, synthesis, in vitro and in silico evaluation of a new series of oxadiazole-based anticancer agents as potential Akt and FAK inhibitors**
Altintop M. D., Sever B., Akalin Çiftçi G., Turan-Zitouni G., Kaplancıklı Z. A., Özdemir A.
EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, vol.155, pp.905-924, 2018 (SCI-Expanded)
- XLVII. **Design, synthesis, in vitro and in silico evaluation of new pyrrole derivatives as monoamine oxidase inhibitors**
ALTINTOP M. D., SEVER B., OSMANIYE D., SAĞLIK B. N., ÖZDEMİR A.
ARCHIV DER PHARMAZIE, vol.351, no.7, 2018 (SCI-Expanded)
- XLVIII. **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)
- XLIX. **Synthesis and Evaluation of a New Series of Arylidene Indianones 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)
- L. **Synthesis of New Thiazolyl-pyrazoline Derivatives and Evaluation of Their Antimicrobial, Cytotoxic and Genotoxic Effects**
SEVER B., ALTINTOP M. D., Gencer H., KAPKAÇ H. A., ATLI EKLİOĞLU Ö., BAYSAL M., ÖZDEMİR A.
LETTERS IN DRUG DESIGN & DISCOVERY, vol.15, no.7, pp.744-756, 2018 (SCI-Expanded)
- LI. **Synthesis and Evaluation of a Series of 1,3,4-Thiadiazole Derivatives as Potential Anticancer Agents**
ALTINTOP M. D., SEVER B., ÖZDEMİR A., ILGIN S., ATLI EKLİOĞLU Ö., Turan-Zitouni G., KAPLANCIKLI Z. A.
ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY, vol.18, no.11, pp.1606-1616, 2018 (SCI-Expanded)
- LII. **Synthesis and Biological Evaluation of New Quinoline-Based Thiazolyl Hydrazone Derivatives as Potent Antifungal and Anticancer Agents**
Erguc A., ALTINTOP M. D., ATLI EKLİOĞLU Ö., SEVER B., İŞCAN G., Gormus G., ÖZDEMİR A.
LETTERS IN DRUG DESIGN & DISCOVERY, vol.15, no.2, pp.193-202, 2018 (SCI-Expanded)
- LIII. **Design, Synthesis, and Biological Evaluation of Novel 1,3,4-Thiadiazole Derivatives as Potential Antitumor Agents against Chronic Myelogenous Leukemia: Striking Effect of Nitrothiazole Moiety**

- Altintop M. D., Ciftci H. I., Radwan M. O., Sever B., Kaplancıklı Z. A., Ali T. F. S., Koga R., Fujita M., Otsuka M., Özdemir A.
MOLECULES, vol.23, no.1, 2018 (SCI-Expanded)
- LIV. **A New Series of Pyrrole-Based Chalcones: Synthesis and Evaluation of Antimicrobial Activity, Cytotoxicity, and Genotoxicity**
ÖZDEMİR A., ALTINTOP M. D., SEVER B., Gencer H., KAPKAÇ H. A., ATLI EKLİOĞLU Ö., BAYSAL M.
MOLECULES, vol.22, no.12, 2017 (SCI-Expanded)
- LV. **Potential inhibitors of human carbonic anhydrase isozymes I and II: Design, synthesis and docking studies of new 1,3,4-thiadiazole derivatives**
ALTINTOP M. D., SEVER B., ÖZDEMİR A., KÜÇÜKOĞLU K., Onem H., NADAROĞLU H., KAPLANCIKLI Z. A.
BIOORGANIC & MEDICINAL CHEMISTRY, vol.25, no.13, pp.3547-3554, 2017 (SCI-Expanded)
- LVI. **Synthesis and Evaluation of New Oxadiazole, Thiadiazole, and Triazole Derivatives as Potential Anticancer Agents Targeting MMP-9**
ÖZDEMİR A., SEVER B., ALTINTOP M. D., TEMEL H. E., ATLI EKLİOĞLU Ö., BAYSAL M., DEMİRCİ F.
MOLECULES, vol.22, no.7, 2017 (SCI-Expanded)
- LVII. **Synthesis and evaluation of new benzodioxole-based dithiocarbamate derivatives as potential anticancer agents and hCA-I and hCA-II inhibitors**
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SCIENTIFIC REPORTS, Committee Member, 2025 - Continues

Discover Oncology, Committee Member, 2025 - Continues

NATURAL PRODUCT COMMUNICATIONS, Committee Member, 2024 - Continues

MOLECULES, Advisory Committee Member, 2024 - Continues

ONCOLOGY RESEARCH, Committee Member, 2024 - Continues
PHARMACEUTICALS, Advisory Committee Member, 2023 - Continues
CURRENT TOPICS IN MEDICINAL CHEMISTRY, Committee Member, 2023 - Continues
HELIYON, Assistant Editor/Section Editor, 2022 - Continues
PLOS ONE, Committee Member, 2022 - Continues
MOLECULES, Special Issue Editor, 2022 - Continues
PHARMACEUTICALS, Special Issue Editor, 2022 - Continues
FRONTIERS IN CHEMISTRY, Assistant Editor/Section Editor, 2022 - Continues
FRONTIERS IN CHEMISTRY, Special Issue Editor, 2022 - Continues
OPEN CHEMISTRY, Committee Member, 2020 - Continues
MOLECULES, Special Issue Editor, 2021 - 2022

Awards

Sever B., Bilim, Hizmet ve Teşvik Ödülleri-Teşvik Ödülü, Türk Eczacıları Birliği (Teb) Eczacılık Akademisi, September 2022
Sever B., "Young Woman Researcher", Venus International Foundation, March 2022