

Res. Asst. PhD SELİN ÖNCÜL

Personal Information

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Education Information

Doctorate, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Tıbbi Biyokimya, Turkey 2014 - 2017

Postgraduate, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Tıbbi Biyokimya, Turkey 2011 - 2013

Undergraduate, Ankara Üniversitesi, Fen Fakültesi/Fen Bilimleri Enstitüsü, Biyoloji Bölümü, Turkey 2006 - 2010

Foreign Languages

English, C2 Mastery

Certificates, Courses and Trainings

Vocational Training, Doktora sonrası araştırma, The University of Texas MD Anderson Cancer Center The Department of Experimental Therapeutics, 2018

Dissertations

Doctorate, Doksorubisinin luminal A ve üçlü negatif meme kanseri hücrelerinde P53 apoptoz yolağı ve çoklu ilaç direnci üzerinde farklı etkilerinin incelenmesi, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Biyokimya (Dr), 2017

Postgraduate, Karaciğer ve meme kanseri hücreleri ile embriyonik böbrek hücrelerinde doksorubisinin apoptotik genlerin ve MDR-1 geninin ekspresyon düzeylerine etkisi, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Biyokimya (YI) (Tezli), 2013

Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Biochemistry

Academic Titles / Tasks

Research Assistant, Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2012 - Continues

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

1. An investigation of the effect of surface characterization on Saos-2 cell proliferation after coating of titanium alloy surfaces by a selective laser melting process

- Olçay E. O. , ERCAN A., ÖNCÜL S., Arifagaoglu O., ERSU B.
Surface and Coatings Technology, vol.422, 2021 (Journal Indexed in SCI)
- II. **Antitumor activity of Ankaferd Blood Stopper (R) on MCF-7 breast cancer: A proteomic approach to ascertain the mechanism of the action**
Zeki O. C. , NENNİ M., ÇELEBİER M., ÖNCÜL S., ERCAN A., SÜSLÜ İ., Haznedarog I. C.
JOURNAL OF HERBAL MEDICINE, vol.28, 2021 (Journal Indexed in SCI)
- III. **Polycationic cyclodextrin nanoparticles induce apoptosis and affect antitumoral activity in HepG2 cell line: An evaluation at the molecular level**
ERCAN A., ÇELEBİER M., ÖNCÜL S., VARAN G., KOÇAK E., Benito J. M. , BİLENSOY E.
International Journal of Pharmaceutics, vol.598, 2021 (Journal Indexed in SCI)
- IV. **An allomaltol derivative triggers distinct death pathways in luminal a and triple-negative breast cancer subtypes**
ERCAN A., ÖNCÜL S., Karakaya G., Aytemir M.
BIOORGANIC CHEMISTRY, vol.105, 2020 (Journal Indexed in SCI)
- V. **Long non-coding RNAs in ovarian cancer: expression profile and functional spectrum**
Oncul S., Amero P., Rodriguez-Aguayo C., Calin G. A. , Sood A. K. , Lopez-Berestein G.
RNA BIOLOGY, vol.17, no.11, pp.1523-1534, 2020 (Journal Indexed in SCI)
- VI. **The interaction between the complement system and hemostatic factors**
ÖNCÜL S., Afshar-Kharghan V.
CURRENT OPINION IN HEMATOLOGY, vol.27, no.5, pp.341-352, 2020 (Journal Indexed in SCI)
- VII. **A kojic acid derivative promotes intrinsic apoptotic pathway of hepatocellular carcinoma cells without incurring drug resistance**
ÖNCÜL S., Karakaya G., Dilsiz Aytemir M., ERCAN A.
Chemical Biology and Drug Design, vol.94, no.6, pp.2084-2093, 2019 (Journal Indexed in SCI)
- VIII. **Synthesis, computational molecular docking analysis and effectiveness on tyrosinase inhibition of kojic acid derivatives**
Karakaya G., TÜRE A., ERCAN A., ÖNCÜL S., Aytemir M.
Bioorganic Chemistry, vol.88, 2019 (Journal Indexed in SCI)
- IX. **HGF-1 proliferation on titanium dental implants treated with laser melting technology**
Arifagaoglu O., ÖNCÜL S., ERCAN A., Olçay O., ERSU B.
NIGERIAN JOURNAL OF CLINICAL PRACTICE, vol.22, no.2, pp.251-257, 2019 (Journal Indexed in SCI)
- X. **Synthesis and Cytotoxic Evaluation of Kojic Acid Derivatives with Inhibitory Activity on Melanogenesis in Human Melanoma Cells**
KARAKAYA G., ÖNCÜL S., ERCAN A., AYTEMİR M.
Anti-Cancer Agents In Medicinal Chemistry, vol.18, pp.1-12, 2018 (Journal Indexed in SCI Expanded)
- XI. **Global omics strategies to investigate the effect of cyclodextrin nanoparticles on MCF-7 breast cancer cells**
ERCAN A., ÇELEBİER M., VARAN G., ÖNCÜL S., Nenni M., KAPLAN O., BİLENSOY E.
European Journal of Pharmaceutical Sciences, vol.123, pp.377-386, 2018 (Journal Indexed in SCI Expanded)
- XII. **Discrimination of the Effects of Doxorubicin on Two Different Breast Cancer Cell Lines on Account of Multidrug Resistance and Apoptosis**
ÖNCÜL S., ERCAN A.
INDIAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.79, no.4, pp.599-607, 2017 (Journal Indexed in SCI)
- XIII. **Cholesterol-Targeted Anticancer and Apoptotic Effects of Anionic and Polycationic Amphiphilic Cyclodextrin Nanoparticles**
VARAN G., ÖNCÜL S., ERCAN A., BENITO J. M. , MELLET C. O. , BİLENSOY E.
Journal of Pharmaceutical Sciences, vol.105, no.10, pp.3172-3182, 2016 (Journal Indexed in SCI Expanded)

Articles Published in Other Journals

- I. **Exposure of Hepatocellular Carcinoma Cells to Ankaferd Blood Stopper (R) Alters Cell Death Signaling Networks Confirmed by Oncoproteomic and Genomic Profiling Studies**
NENNİ M., ÖNCÜL S., ERCAN A., ÇELEBİER M., SÜSLÜ İ., HAZNEDAROĞLU İ. C.
CURRENT TRADITIONAL MEDICINE, vol.7, no.2, pp.223-235, 2021 (Journal Indexed in ESCI)
- II. **Comparison of cell lysis techniques via q-tof lc/ms**
KAPLAN O., ÖNCÜL S., ERCAN A., ÇELEBİER M.
Mass Spectrometry Letters, vol.11, no.2, pp.36-40, 2020 (Journal Indexed in ESCI)
- III. **Kojic acid derivatives as potential anticancer agents: Synthesis and cytotoxic evaluation on A375 human malignant melanoma cells**
Karakaya G., ERCAN A., ÖNCÜL S., Aytemir M.
JOURNAL OF RESEARCH IN PHARMACY, vol.23, no.4, pp.596-607, 2019 (Journal Indexed in ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Proteomic Investigation of Ankaferd Hemostat Application on MCF-7 Breast Cancer Cell Line**
ZEKİ Ö. C. , NENNİ M., ÖNCÜL S., ERCAN A., SÜSLÜ İ., HAZNEDAROĞLU İ. C.
International Multidisciplinary Symposium on Drug Research and Development (DRD), 1 - 03 July 2019
- II. **A Metabolomic Study to Investigate the Effect of Folate Conjugated Nanoparticles on Triple Negative Breast Cancer Cells**
ERCAN A., ÇELEBİER M., varol ı., KAPLAN O., Varan G., ÖNCÜL S., KOÇAK E., BİLENSOY E.
EUFEPS Annual Meeting 2019 PERSONALIZED MEDICINES,TARGETED THERAPIES,PRECISION DRUG DELIVERY, 6 - 08 March 2019
- III. **Breast cancer treatment capacity of an allomaltol derivative from the standpoint of apoptosis and multidrug resistance**
ÖNCÜL S., ERCAN A., KARAKAYA G., AYTEMİR M.
FEBS OPEN BIO, 7 - 12 July 2018, vol.8, pp.298
- IV. **Investigation of The Effect of Commercial Herbal Mixture on HepG2 Liver Cancer Cell Line by Proteomic Approach**
NENNİ M., ÖNCÜL S., ERCAN A., SÜSLÜ İ., ÇELEBİER M., HAZNEDAROĞLU İ. C.
12th International Symposium on Pharmaceutical Sciences, 26 - 29 June 2018
- V. **Breast Cancer Treatment Capacity of a Allomaltol Derivative from the Standpoint of Apoptosis and Multidrug Resistance**
ÖNCÜL S., ERCAN A., KARAKAYA G., AYTEMİR M.
The 43rd FEBS Congress, Prag, Czech Republic, 07 June 2018, pp.1
- VI. **GENOMIC AND METABOLOMIC STUDIES OF POLYCATIONIC AMPHIPHILIC CYCLODEXTRIN NANOPARTICLESON HEPG2 CELL LINE**
ERCAN A., ÇELEBİER M., Varan G., ÖNCÜL S., KOÇAK E., KAPLAN O., BİLENSOY E.
EUFEPS Annual Meeting 2018 Crossing Barriers for Future Medicines, 24 - 26 May 2018
- VII. **Synthesis of Some New Mannich Bases with Anti-tyrosinase Activity.**
AYTEMİR M., KARAKAYA G., ERCAN A., ÖNCÜL S.
2nd International Gazi Pharma Symposium Series (GPSS), 11 - 13 October 2017
- VIII. **MCF-7 Breast Cell Proteome Analysis Determination With New UPLC/MS Method**
KOÇAK E., ÖNCÜL S., NENNİ M., kaplan o., ÇELEBİER M., SÜSLÜ İ., ERCAN A., ALTINÖZ S.
Symposium on Drug Research Development, 5 - 07 October 2017
- IX. **Screening for Cytotoxic Effects of Chlorokojic Acid Derivatives**
AYTEMİR M., Karakaya G., ERCAN A., ÖNCÜL S.
Symposium on Drug Research And Development, 5 - 07 October 2017
- X. **An in vitro investigation of human gingival fibroblast proliferation on dental titanium implants treated with selective laser melting technology**
ARİFAĞAOĞLU Ö., ÖNCÜL S., ERCAN A., ERSU B.

26th Annual Scientific Meeting of the European Association for Osseointegration, Madrid, Spain, 5 - 07 October 2017, vol.28, pp.26

- XI. **Cytotoxic Effect of Allomaltol Derivative on A375 Human Malignant Melanoma and MCF7 Breast Cancer Cells**
ERCAN A., AYTEMİR M., KARAKAYA G., ÖNCÜL S.
International Multidisciplinary Symposium on Drug Research Development (DRD2017), 5 - 07 October 2017
- XII. **Screening for Cytotoxic Effects of Chkorkojic Acid Derivatives**
AYTEMİR M., KARAKAYA G., ERCAN A., ÖNCÜL S.
International Multidisciplinary Symposium on Drug Research Development (DRD2017), 5 - 07 October 2017
- XIII. **Mild doses of doxorubicin alters apoptotic response and cell cycle arrest on both luminalA and triple negative breast cancer cell lines**
ÖNCÜL S., ERCAN A.
42nd FEBS Congress, Israel, 10 - 14 September 2017, vol.284, pp.286
- XIV. **CYTOTOXICITY OF A KOJIC ACID DERIVATIVE ON A375 HUMAN MALIGNANT MELANOMA AND HGF1 FIBROBLAST CELLS**
AYTEMİR M., KARAKAYA G., ERCAN A., ÖNCÜL S.
10th Joint Meeting On Medicinal Chemistry, Dubrovnik, Croatia, 25 - 28 June 2017
- XV. **Evaluation of Cholesterol-Targeted Amphiphilic Cyclodextrin Nanoparticles for Cancer Therapy**
VARAN G., ÖNCÜL S., ERCAN A., BENİTO J., MELLET C. O. , BİLENSOY E.
Innovation in Medicine Meetings III Congress, 11 - 13 May 2017
- XVI. **Assessment of Low Dose Doxorubicin on Apoptosis and Multidrug Resistance in MCF 7 Cells**
ERCAN A., ÖNCÜL S.
6. MOKAD, Konya, Turkey, 27 - 30 October 2016

Supported Projects

ERCAN A., ÖNCÜL S., Project Supported by Higher Education Institutions, Yeni Sentezlenen Bir Antrasiklin Türevinin Meme Kanseri Hücrelerinde p53 Apoptoz Yolağı ve Çoklu İlaç Direnci Üzerine Etkisi, 2016 - 2018

ERCAN A., AYTEMİR M., TUBITAK Project, Yeni Mannich Bazlarının Tirozinaz İnhibitörü Etkileri ve A375 İnsan Melanoma Hücreleri Üzerine Hücre Canlıklarının Değerlendirilmesi, 2016 - 2017

UÇAR G., ERİKÇİ A., BAYSAL İ., ERCAN A., YÜKSEL TEK M., BİBEROĞLU K., TÜYLÜ KÜÇÜKKILINÇ Z. T. , AYAZGÖK B., TACAL Ö., YABANOĞLU ÇİFTÇİ S., et al., Project Supported by Higher Education Institutions, ECF385 Biyokimya III Laboratuvar Ders İçeriğinin Klinik Biyokimya Yöntemleri ile Zenginleştirilerek Güncellenmesi, 2015 - 2016

Edit Congress and Symposium Activities

IV International Conference on Cancer Research & Drug Development, Attendee, Maryland, United States Of America, 2019

The University of Houston College Pharmacy Pharmacological and Pharmaceutical Sciences 2019 Research Symposium, Working Group, Texas, United States Of America, 2019

The 43rd FEBS EMBO Congress, Attendee, Praha, Czech Republic, 2018

The 42nd FEBS EMBO Congress, Attendee, Yerushalayim, Israel, 2017

METU Biochemistry Conference II, Audience, Ankara, Turkey, 2015

The 40th FEBS EMBO Congress, Attendee, Berlin, Germany, 2015

The Organization Committee of Advanced Technologies of Health Sciences Symposium, Audience, Ankara, Turkey, 2014

IFCC WorldLab 2014, Attendee, İstanbul, Turkey, 2014

The 38th FEBS EMBO Congress, Attendee, Sankt-Peterburg, Russia, 2013

Citations

Total Citations (WOS):72

h-index (WOS):4

Scholarships

TUBITAK 2219 Doktora Sonrası Araştırma Bursu, TUBITAK, 2018 - 2020

Awards

Öncül S., 21-23 Ekim 2019'da Baltimore, MD, ABD'de gerçekleşen IV. Kanser Araştırma & İlaç Geliştirme Uluslararası Kongresine sözlü sunum ile katılmak için seyahat ödülü, The University Of Texas Md Anderson Cancer Center Clyde H. Wright Memorial Fund, October 2019

Nenni M., Öncül S., Ercan A., Süslü İ., Çelebier M., Haznedaroğlu İ. C. , Poster 3.lük ödülü, 12Th International Symposium On Pharmaceutical Sciences (Isops) 2018, July 2018

Ercan A., Çelebier M., Varan G., Öncül S., Koçak E., Kaplan O., Bilensoy E., Women in Pharmaceutical Scientists (WIPS), Eufeps 2018, May 2018