

Asst. Prof. YAPRAK DİLBER ŞİMAY DEMİR

Personal Information

Email: yapraksimay@gazi.edu.tr

Web: <https://avesis.gazi.edu.tr/yapraksimay>

Education Information

Doctorate, Gazi University, Sağlık Bilimleri Enstitüsü, -, Turkey 2013 - 2017

Post Graduate, Gazi University, Sağlık Bilimleri Enstitüsü, -, Turkey 2011 - 2013

Under Graduate, Gazi University, Eczacılık Fakültesi, Turkey 2006 - 2011

Certificates, Courses and Trainings

Vocational Training, Lisansüstü Tez Danışmanlığı Eğitimi, Gazi Üniversitesi, 2021

Health&Medicine, İleri İyi Klinik Uygulamalar (Ver 2.0), Klinik Araştırmalar Derneği, 2018

Health&Medicine, Temel İyi Klinik Uygulamalar (Ver2.0), Klinik Araştırmalar Derneği, 2018

Health&Medicine, Bilimsel Araştırmalarda Deney Hayvanları Kullanımına Ait Eğitim Sertifikası Programı, Kobay Deney Hayvanları Laboratuvarı A.Ş., 2012

Dissertations

Doctorate, İlaçla indüklenen senesent hücre sekretomu, hücre proliferasyonu ve rho kinaz arasındaki olası ilişkinin incelenmesi, Gazi University, Sağlık Bilimleri Enstitüsü, -, 2017

Post Graduate, Ouabain ile indüklenen senesens ve RHO kinaz arasındaki olası ilişkinin incelenmesi, Gazi University, Sağlık Bilimleri Enstitüsü, -, 2013

Research Areas

Pharmacology and Therapeutics, Pharmacology

Academic Titles / Tasks

Assistant Professor, Gazi University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri, 2021 - Continues

Assistant Professor, Hitit University, School Of Medicine, Department Of Internal Medicine, 2019 - 2021

Professional Experience

Head of Department, Hitit University, School Of Medicine, Department Of Internal Medicine, 2019 - 2021

Ethics Committee Member, Hitit University, School Of Medicine, Department Of Internal Medicine, 2019 - 2021

Courses

Mezuniyet Projesi I, Under Graduate, 2020 - 2021

Mezuniyet Projesi I, Under Graduate, 2020 - 2021

Kardiyovasküler Sistem Farmakolojisi, Doctorate, 2020 - 2021

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

- I. **The implication of ROCK 2 as a potential senotherapeutic target via the suppression of the harmful effects of the SASP: Do senescent cancer cells really engulf the other cells?**
Demir Y. D., Özdemir A., Sularli C., Benhür E., Ark M.
Cellular Signalling, vol.84, 2021 (Journal Indexed in SCI Expanded)
- II. **Antimigratory effect of pyrazole derivatives through the induction of STAT1 phosphorylation in A549 cancer cells.**
Şimay Demir Y. D., Özdemir A., Özdemir R. G., Cevher S. C., Çalışkan B., Ark M.
The Journal of pharmacy and pharmacology, vol.73, pp.808-815, 2021 (Journal Indexed in SCI Expanded)
- III. **A novel proteolytic cleavage of ROCK 1 in cell death: Not only by caspases 3 and 7 but also by caspase 2**
Özdemir A., İbişoğlu B., Şimay Demir Y. D., Benhür E., Valipour F., Ark M.
BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, vol.547, pp.118-124, 2021 (Journal Indexed in SCI)
- IV. **Novel palladium(II) complexes of N-(5-nitro-salicylidene)-Schiff bases: Synthesis, spectroscopic characterization and cytotoxicity investigation**
ÖZDEMİR Ö., Gurkan P., Demir Y. D., ARK M.
JOURNAL OF MOLECULAR STRUCTURE, vol.1207, 2020 (Journal Indexed in SCI)
- V. **The connection between the cardiac glycoside-induced senescent cell morphology and Rho/Rho kinase pathway**
Simay Y. D., ÖZDEMİR A., Ibisoglu B., ARK M.
CYTOSKELETON, vol.75, no.11, pp.461-471, 2018 (Journal Indexed in SCI)
- VI. **Promising anticancer activity of Cyclotrichium niveum L. extracts through induction of both apoptosis and necrosis**
ÖZDEMİR A., Yıldız M., ŞENOL DENİZ F. S., Simay Y. D., Iboglu B., GÖKBULUT A., ERDOĞAN ORHAN İ., ARK M.
FOOD AND CHEMICAL TOXICOLOGY, vol.109, pp.898-909, 2017 (Journal Indexed in SCI)
- VII. **Cardiac glycoside-induced cell death and Rho/Rho kinase pathway: Implication of different regulation in cancer cell lines**
ÖZDEMİR A., Simay Y. D., Ibisoglu B., Yaren B., Bulbul D., ARK M.
STEROIDS, vol.109, pp.29-43, 2016 (Journal Indexed in SCI)
- VIII. **Ouabain induces Rho-dependent rock activation and membrane blebbing in cultured endothelial cells**
Ozdemir A., Ibisoglu B., Simay Y. D., Polat B., Ark M.
MOLECULAR BIOLOGY, vol.49, no.1, pp.138-143, 2015 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Antioxidant and Cytotoxic Activity Studies in Series of Higher Amino Acid Schiff Bases**
Özdemir Ö., Gürkan P., Şimay Demir Y. D., Ark M.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.33, no.3, pp.646-660, 2020 (Journal Indexed in ESCI)

BOOKS & BOOK CHAPTERS

I. Hücre Kültürü ve Temel Moleküler Biyoloji Protokolleri

ARK M., ÖZDEMİR A., ŞİMAY Y. D. , İbişoğlu B.
Ankara Nobel Tıp Kitabevleri, Ankara, 2017

Refereed Congress / Symposium Publications in Proceedings

- I. **Antimigratory Effect of a Newly Synthesized Pyrazole Derivative Compound in A549 Cancer Cells**
ÖZDEMİR A., Gönbe Özdemir R., ŞİMAY DEMİR Y. D. , Cevher S. C. , Şahinoğlu E., ÇALIŞKAN B., ARK M.
DGZ International Meeting, 17 - 19 September 2018, vol.44
- II. **Possible involvement of Rho Kinase on the secretory activity of drug-induced senescent cell**
ŞİMAY DEMİR Y. D. , ÖZDEMİR A., ARK M.
Cold Spring Harbor Meetings, 15 - 19 August 2017
- III. **Holographic view of the senescent cells: Imagine all the senescent cells are not flattened**
Simay Y. D. , ÖZDEMİR A., İbisoglu B., ARK M.
Experimental Biology Meeting, Illinois, United States Of America, 22 - 26 April 2017, vol.31
- IV. **A possible novel mechanism in the formation of senescent cell morphology: caveolar depletion and rho kinases**
ŞİMAY DEMİR Y. D. , ÖZDEMİR A., İbişoğlu B., ARK M.
12th International Congress of Cell Biology, 21 - 25 July 2016
- V. **A novel proteolytic cleavage of ROCK 1 by caspase-2**
İbişoğlu B., ÖZDEMİR A., ŞİMAY DEMİR Y. D. , ARK M.
7th European Congress of Pharmacology, 26 - 30 June 2016
- VI. **Cytotoxic Activity Appraisal of Different Extracts From *Cyclotrichium Niveum* L. In Three Cell Lines**
Yıldız M., ŞENOL DENİZ F. S. , ÖZDEMİR A., İbişoğlu B., ŞİMAY DEMİR Y. D. , ERDOĞAN ORHAN İ., ARK M.
pytopharm, 3 - 05 July 2014
- VII. **Combination of ouabain and a specific ROCK inhibitor Y27632 in HeLa cells: implication of therapeutic benefits**
İbişoğlu B., ŞİMAY DEMİR Y. D. , ÖZDEMİR A., ARK M.
FASEB JOURNAL, San Diego, 26 - 30 April 2014, vol.28
- VIII. **Cleavage of ROCK II: As a Common Phenomenon in Cell Death**
ÖZDEMİR A., İbisoglu B., Simay Y. D. , Yaren B. M. , ARK M.
Joint Annual Meeting of the ASPET/BPS at Experimental Biology (EB), Massachusetts, United States Of America, 20 - 24 April 2013, vol.27
- IX. **Rock Inhibition Reduces Senescent Cell Size**
Simay Y. D. , Hosbas S., İbisoglu B., Yıldız M., ÖZDEMİR A., ARK M.
Joint Annual Meeting of the ASPET/BPS at Experimental Biology (EB), Massachusetts, United States Of America, 20 - 24 April 2013, vol.27

Memberships / Tasks in Scientific Organizations

Yaşam Bilimleri Derneği, Board Member, 2015 - Continues, Turkey
Türk Farmakoloji Derneği, Member, 2011 - Continues, Turkey

Scientific Refereeing

TÜRK HİJYEN VE DENEYSEL BİYOLOJİ DERGİSİ, National Scientific Refreed Journal, June 2020

Citations

Total Citations (WOS):28

h-index (WOS):3