

Assoc. Prof. ERHAN ŞAHİN

Personal Information

Office Phone: [+90 228 214 1124](tel:+902282141124)

Email: erhan.sahin@bilecik.edu.tr

Web: <https://avesis.bilecik.edu.tr/erhan.sahin>

International Researcher IDs

ScholarID: KB3IypoAAAAJ

ORCID: 0000-0003-2152-0542

Publons / Web Of Science ResearcherID: V-3427-2017

ScopusID: 56022477500

Yoksis Researcher ID: 13771

Education Information

Doctorate, Eskisehir Osmangazi University, Sağlık Bilimleri Enstitüsü, Histoloji Ve Embriyoloji (Dr), Turkey 2011 - 2015

Postgraduate, Gazi University, Sağlık Bilimleri Enstitüsü, Histoloji Ve Embriyoloji (YI) (Tezli), Turkey 2009 - 2011

Undergraduate, Hacettepe University, Fen Fakültesi, Biyoloji Bölümü, Turkey 2003 - 2007

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Resveratrol ile muamele edilmiş yağ dokusu kaynaklı mezenşimal kök hücre sitokinlerinin A549 kanser hücresine etkilerinin araştırılması, Eskisehir Osmangazi University, Sağlık Bilimleri Enstitüsü, Histoloji Ve Embriyoloji (Dr), 2015

Postgraduate, Di-n Bütıl Fitalat'xxın (DBP) Epididimis ve Duktus Deferens'xxde oluşturabileceği hasar ve işlev bozukluklarına, Resveratrol'xxün olası etkileri, Gazi University, Sağlık Bilimleri Enstitüsü, Histoloji Ve Embriyoloji (YI) (Tezli), 2011

Research Areas

Histology and Embryology, Biochemistry, Molecular Biology and Genetics

Academic Titles / Tasks

Associate Professor, Bilecik Seyh Edebali University, Tıp Fakültesi, Temel Tıp Bilimleri, 2022 - Continues

Research Assistant, Eskisehir Osmangazi University, Tıp Fakültesi, Temel Tıp Bil. Bölümü, 2011 - 2022

Academic and Administrative Experience

Vice Dean, Bilecik Seyh Edebali University, Tıp Fakültesi, 2023 - Continues

Bilecik Seyh Edebali University, 2022 - Continues

Fakülte Yönetim Kurulu Üyesi, Bilecik Seyh Edebali University, Tıp Fakültesi, 2022 - Continues

Fakülte Kurulu Üyesi, Bilecik Seyh Edebali University, Tıp Fakültesi, 2022 - Continues

Program Koordinatörü, Bilecik Seyh Edebali University, Tıp Fakültesi, 2022 - 2023

Courses

Histoloji ve Embriyoloji, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Quercetin decreases sterile inflammation proteins NLRP3 and caspase 1 in clone-9 cell line damaged by hydrogen peroxide**
ŞAHİN E., Dabagolu Psav S., ŞAHİNTÜRK V., KOPARAL A. T.
Rendiconti Lincei, vol.32, no.4, pp.911-919, 2021 (SCI-Expanded)
- II. **Lichen-derived physodic acid exerts cytotoxic and anti-invasive effects in human lung cancer**
ŞAHİN E., Dabagolu Psav S., Avan I., Candan M., ŞAHİNTÜRK V., KOPARAL A. T.
Rendiconti Lincei, vol.32, no.3, pp.511-520, 2021 (SCI-Expanded)
- III. **β-Hydroxybutyrate, one of the three main ketone bodies, ameliorates acute pancreatitis in rats by suppressing the NLRP3 inflammasome pathway**
ŞAHİN E., Aykanat N. E. B., Kacar S., Bağcı R., ŞAHİNTÜRK V.
Turkish Journal of Gastroenterology, vol.32, no.8, pp.702-711, 2021 (SCI-Expanded)
- IV. **Cardiac hypertrophy caused by hyperthyroidism in rats: The role of ATF-6 AND TRPC1 channels**
Bektur Aykanat N. E., ŞAHİN E., Kaçar S., Bağcı R., Karakaya Ş., Dönmez D. B., ŞAHİNTÜRK V.
Canadian Journal of Physiology and Pharmacology, vol.99, no.11, pp.1226-1233, 2021 (SCI-Expanded)
- V. **Investigation of the effect of hyperthyroidism on endoplasmic reticulum stress and transient receptor potential canonical 1 channel in the kidney**
Bektur Aykanat N. E., ŞAHİN E., Kaçar S., Bağcı R., Karakaya Ş., BURUKOĞLU DÖNMEZ D., ŞAHİNTÜRK V.
Turkish Journal of Medical Sciences, vol.51, no.3, pp.1554-1563, 2021 (SCI-Expanded)
- VI. **Silymarin attenuated nonalcoholic fatty liver disease through the regulation of endoplasmic reticulum stress proteins GRP78 and XBP-1 in mice**
ŞAHİN E., Bağcı R., Bektur Aykanat N. E., Kacar S., ŞAHİNTÜRK V.
Journal of Food Biochemistry, vol.44, no.6, 2020 (SCI-Expanded)
- VII. **Investigation of endoplasmic reticulum stress and sonic hedgehog pathway in diabetic liver injury in mice**
ŞAHİNTÜRK V., Kacar S., ŞAHİN E., Aykanat N. E. B.
Life Sciences, vol.246, 2020 (SCI-Expanded)
- VIII. **Azoramide ameliorates fructose-induced nonalcoholic fatty liver disease in mice**
Bağcı R., ŞAHİNTÜRK V., ŞAHİN E.
Tissue and Cell, vol.59, pp.62-69, 2019 (SCI-Expanded)
- IX. **Cytotoxic, apoptotic and cell migration inhibitory effects of atranorin on SPC212 mesothelioma cells**
ŞAHİN E., Psav S., Avan I., Candan M., ŞAHİNTÜRK V., Koparal A.
Asian Pacific Journal of Tropical Biomedicine, vol.9, no.7, pp.299-306, 2019 (SCI-Expanded)
- X. **Beneficial effect of mirtazapine on diabetes-induced hyperalgesia: involvement of TRPV1 and ASIC1 channels in the spinal cord and dorsal root ganglion**
Bektur E., ŞAHİN E., CEYHAN E., Donmez D. B., CANBEK M., Baycu C., CAN Ö. D.
Neurological Research, vol.41, no.6, pp.544-553, 2019 (SCI-Expanded)
- XI. **Vulpinic acid, a lichen metabolite, emerges as a potential drug candidate in the therapy of oxidative**

stress-related diseases, such as atherosclerosis

ŞAHİN E., Dabagoglu Psav S., Avan I., Candan M., ŞAHİNTÜRK V., Koparal A.
Human and Experimental Toxicology, vol.38, no.6, pp.675-684, 2019 (SCI-Expanded)

- XII. **Mirtazapine suppresses sterile inflammation through NLRP3-inflammasome in diabetic rat kidney**
ŞAHİN E., Bektur E., BURUKOĞLU DÖNMEZ D., Baycu C., CAN Ö. D., ŞAHİNTÜRK V.
Acta Histochemica, vol.121, no.3, pp.289-296, 2019 (SCI-Expanded)
- XIII. **HYPOTHYROIDISM INCREASES EXPRESSION OF STERILE INFLAMMATION PROTEINS IN RAT HEART TISSUE.**
Sahin E., Bektur E., Baycu C., Burukoglu Dönmez D., Kaygisiz B.
Acta endocrinologica (Bucharest, Romania : 2005), vol.-5, no.1, pp.39-45, 2019 (SCI-Expanded)
- XIV. **Mirtazapine may show anti-hyperglycemic effect by decreasing GLUT2 through leptin and galanin expressions in the liver of type 1 diabetic rats**
Bektur E., ŞAHİN E., Baycu C.
Iranian Journal of Basic Medical Sciences, vol.22, no.6, pp.676-682, 2019 (SCI-Expanded)
- XV. **Neuroprotective effect of genistein in peripheral nerve injury**
ÖZBEK Z., Aydın H. E., Kocman A. E., ÖZKARA E., ŞAHİN E., Bektur E., VURAL M., KÖSE A. A., ARSLANTAŞ A., Baycu C.
Turkish Neurosurgery, vol.27, no.5, pp.816-822, 2017 (SCI-Expanded)
- XVI. **Effects of nonsteroidal anti-inflammatory meloxicam on stomach, kidney, and liver of rats**
Burukoglu D., Baycu C., TAPLAMACIOĞLU F., ŞAHİN E., Bektur E.
Toxicology and Industrial Health, vol.32, no.6, pp.980-986, 2016 (SCI-Expanded)
- XVII. **Resveratrol reduces IL-6 and VEGF secretion from co-cultured A549 lung cancer cells and adipose-derived mesenchymal stem cells**
ŞAHİN E., Baycu C., KOPARAL A. T., BURUKOĞLU DÖNMEZ D., Bektur E.
Tumor Biology, vol.37, no.6, pp.7573-7582, 2016 (SCI-Expanded)
- XVIII. **The effect of di-n-butyl phthalate on testis and the potential protective effects of resveratrol**
DEMİR S., TAKE KAPLANOĞLU G., Erdoğan D., GÖKTAŞ G., ŞAHİN E.
Toxicology and Industrial Health, vol.32, no.5, pp.777-790, 2016 (SCI-Expanded)
- XIX. **Protective effects of silymarin against acetaminophen-induced hepatotoxicity and nephrotoxicity in mice**
Bektur N. E., ŞAHİN E., Baycu C., Unver G.
Toxicology and Industrial Health, vol.32, no.4, pp.589-600, 2016 (SCI-Expanded)
- XX. **Protective effects of resveratrol against di-n buthyl phthalate induced toxicity in ductus epididymis and ductus deferens in rats**
ŞAHİN E., Ilgaz C., Erdoğan D., TAKE KAPLANOĞLU G., GÖKTAŞ G.
Indian Journal of Pharmacology, vol.46, no.1, pp.51-56, 2014 (SCI-Expanded)

Articles Published in Other Journals

- I. **The Potential Effect of Berberine on 5-Fluorouracil Induced Gastrointestinal Mucositis in Rats**
KIRCADERE M., Harmanci N., Eroglu E., ÇENGELİ ÜNEL Ç., Sahin E., yigitaslan s.
Osmangazi Tıp Dergisi, vol.46, no.1, pp.139-146, 2024 (Peer-Reviewed Journal)
- II. **Therapeutic potential of morus nigra on 5-fluorouracil-induced gastrointestinal mucositis in rats**
YİĞİTASLAN S., ÖZKARAMAN A., AÇIKGÖZ A., BALCI ALPARSLAN G., TOPRAK Ç., GÖGER F., ŞAHİN E.
Osmangazi Tıp Dergisi, vol.42, no.4, pp.363-372, 2020 (Peer-Reviewed Journal)
- III. **Tip 1 Diyabetes Mellitus Oluşturulan Sıçanların Beyninde Leptin Miktarı Azalmaktadır**
ŞAHİN E., Özcan Ö., BEKTUR N. E., BAYÇU C., DEMİR ÖZKAY Ü., CAN Ö. D., ŞAHİNTÜRK V.
Kocatepe Tıp Dergisi, vol.20, no.2, pp.91-97, 2019 (Peer-Reviewed Journal)
- IV. **Mirtazapin Diyabet Oluşturulan Sıçanların Beyinciklerindeki Hasarı Kısmen Düzeltmektedir**
ŞAHİN E., BEKTUR N. E., BURUKOĞLU DÖNMEZ D., BAYÇU C., CAN Ö. D., ŞAHİNTÜRK V.
Osmangazi Tıp Dergisi, vol.40, no.3, pp.61-69, 2018 (Peer-Reviewed Journal)

- V. **Mezenşimal Kk Hcre Sitokinlerinin Kansere Hcreleri zerine Olumsuz Etkileri**
ŞAHİN E., BAYÇU C., KOPARAL A. T., BURUKOĐLU DNMEZ D., BEKTUR N. E., Glen M., GLEN M.
Osmangazi Tıp Dergisi, vol.37, no.3, pp.7-12, 2015 (Peer-Reviewed Journal)

Books & Book Chapters

I. Histoloji

ŞAHİN E.

in: ODYOLOĐİK TERMİNOLOĐİ, TURAN DİZDAR Handan, KIRBAÇ Arzu, Editor, İSTANBUL TIP KİTAPEVLERİ, pp.20-28, 2022

Refereed Congress / Symposium Publications in Proceedings

- I. **Activation Of Sonic Hedgehog Enhances Survival Of Neurons Via Inhibition Of GRP78-Dependent Pathway In Brain Of Diabetic Mice**
BEKTUR AYKANAT N. E., KAÇAR S., ŞAHİN E., ŞAHİNTRK V.
FENS Regional Meeting, 10 - 13 July 2019
- II. **Silymarin Shows Anti-Cancerogenic Effect On Du145 Prostate Cancer Cell Lines**
BEKTUR N. E., KAÇAR S., ŞAHİN E., ŞAHİNTRK V.
5th INTERNATIONAL SYMPOSIUM ON MULTIDISCIPLINARY STUDIES, Ankara, Turkey, 16 - 17 November 2018
- III. **Sterile Inflammation and Lung Cancer**
ŞAHİN E., BEKTUR N. E., ŞAHİNTRK V.
5th INTERNATIONAL SYMPOSIUM ON MULTIDISCIPLINARY STUDIES, Ankara, Turkey, 16 - 17 November 2018
- IV. **Carvacrol inhibits lung and neuroblastoma cancer cell lines proliferation**
ŞAHİN E.
5th INTERNATIONAL SYMPOSIUM ON MULTIDISCIPLINARY STUDIES, Ankara, Turkey, 16 - 17 November 2018
- V. **Hypertyroidism Increases Trpv1 Activity In Rat Brain And Cerebellum**
BEKTUR N. E., ŞAHİN E., KAÇAR S., ŞAHİNTRK V.
TBS INTERNATIONAL BIOCHEMISTRY CONGRESS - 29TH NATIONAL BIOCHEMISTRY CONGRESS, 26 - 30 October 2018
- VI. **Curcumin reduces the sterile inflammation markers in oxidative stress induced clone 9 liver cells**
ŞAHİN E., ŞAHİNTRK V.
The 1st International Mediterranean Anatomy Congress(IMAC2018) -19th National Anatomy Congress, Konya, Turkey, 6 - 09 September 2018
- VII. **Immunocytochemical Examination of Tnf-A Protein After Acrylamide Administration**
KAÇAR S., ŞAHİN E., ŞAHİNTRK V.
The 1st International Mediterranean Anatomy Congress(IMAC2018) -19th National Anatomy Congress, Konya, Turkey, 6 - 09 September 2018
- VIII. **Acrylamide Reduced The Expression Of Vascular Endothelial Growth Factor In Clone 9 Cells**
KAÇAR S., ŞAHİN E., ŞAHİNTRK V.
The 1st International Mediterranean Anatomy Congress(IMAC2018) -19th National Anatomy Congress, Turkey, 6 - 09 September 2018
- IX. **NF-KB Protein Expression Of Hepatocytes Increased In Vitro After Acrylamide Administration**
KAÇAR S., ŞAHİN E., ŞAHİNTRK V.
The 1st International Mediterranean Anatomy Congress(IMAC2018) -19th National Anatomy Congress, Konya, Turkey, 6 - 09 September 2018
- X. **Oxidative Stress, Inflammation and Fatty Acid Oxidation Increased in Diabetic Rats Kidneys**
BEKTUR N. E., KAÇAR S., ŞAHİN E., ŞAHİNTRK V.
4th International Congress on Applied Biological Sciences, 3 - 05 May 2018

- XI. **The Morphological Changes In Clone 9 Hepatocyte Cells As A Result of The Reaction Between B-Carotene And Ready-To-Use Medium**
Ertekin R., KAÇAR S., ŞAHİN E., ŞAHİNTÜRK V.
4th International Congress On Applied Biological Sciences, Turkey, 3 - 05 May 2018
- XII. **Curcumin reduces the expressions of TNF-a and NF-kB proteins in liver clone 9 cells following oxidative stress injury by hydrogen peroxide**
ŞAHİN E., BEKTUR N. E., KAÇAR S., ŞAHİNTÜRK V.
1st International Health Sciences and Life Congress, 2 - 05 May 2018
- XIII. **What Are Appropriate Plating Densities Of Clone 9 Hepatocyte Cells For 24, 48 And 72 Hours Cell Culture Experiment?**
BAĞCI R., KAÇAR S., ŞAHİN E., BEKTUR AYKANAT N. E., BURUKOĞLU DÖNMEZ D., ŞAHİNTÜRK V.
International Eurasian Conference On Biological And Chemical Sciences, Turkey, 26 - 27 April 2018
- XIV. **The Effect of Different Concentrations of Melatonin on Clone 9 Hepatocyte Cells**
KAÇAR S., BAĞCI R., ŞAHİN E., BEKTUR AYKANAT N. E., ŞAHİNTÜRK V.
International Eurasian Conference On Biological And Chemical Sciences, Turkey, 26 - 27 April 2018
- XV. **How Do the Ascending Doses of Acrylamide Affect clone 9 Hepatocyte Cells?**
KAÇAR S., ŞAHİN E., BEKTUR N. E., ŞAHİNTÜRK V.
International Eurasian Conference on Biological and Chemical Sciences, 26 - 27 April 2018
- XVI. **Co-Treatment Of B-Carotene and H2O2 Increased The Caspase 3 Expression In Clone 9 Liver Cells**
ŞAHİN E., KAÇAR S., BURUKOĞLU DÖNMEZ D., ŞAHİNTÜRK V.
International Eurasian Conference On Biological And Chemical Sciences, Turkey, 26 - 27 April 2018
- XVII. **A Comparison Between Standard and Diluted MTT Concentrations: Can It Be Diluted More?**
KAÇAR S., BEKTUR AYKANAT N. E., ŞAHİN E., BURUKOĞLU DÖNMEZ D., ŞAHİNTÜRK V.
International Eurasian Conference On Biological And Chemical Sciences, Turkey, 26 - 27 April 2018
- XVIII. **Quercetin decreases H2O2-induced oxidative stress and sterile inflammation proteins in clone 9 liver cells**
ŞAHİN E., DABAGOĞLU S., ŞAHİNTÜRK V., KOPARAL A. T.
International Eurasian Conference on Biological and Chemical Sciences, 26 - 27 April 2018
- XIX. **The Effects Of Silymarin On Healthy Hepatocytes Cell Line**
BEKTUR AYKANAT N. E., KAÇAR S., ŞAHİN E., ŞAHİNTÜRK V.
International Eurasian Conference On Biological And Chemical Sciences, Turkey, 26 - 27 April 2018
- XX. **Mirtazapine's effect on appetite metabolism in diabetic liver**
BEKTUR AYKANAT N. E., ŞAHİN E., DEMİR ÖZKAY Ü., CAN Ö. D., BAYÇU C.
Uluslararası Katılımlı 17. Ulusal Anatomi Kongresi, Turkey, 5 - 09 September 2016
- XXI. **Leptin expression in diabetic rat brain**
ŞAHİN E., BEKTUR AYKANAT N. E., DEMİR ÖZKAY Ü., CAN Ö. D., BAYÇU C.
Uluslararası Katılımlı 17. Ulusal Anatomi Kongresi, Turkey, 5 - 09 September 2016
- XXII. **Long-term administration of tamoxifen's effect on the heart tissue**
BEKTUR N. E., ŞAHİN E., BURUKOĞLU DÖNMEZ D., BAYÇU C.
Uluslararası Katılımlı 17. Ulusal Anatomi Kongresi, Turkey, 5 - 09 September 2016
- XXIII. **The Effects Of Mirtazapine on Diabetic Nephropathy**
BEKTUR AYKANAT N. E., ŞAHİN E., BAYÇU C.
1st International Cell Death Research Congress, 4 - 07 May 2016
- XXIV. **Deneysel olarak oluşturulmuş hipotiroid, hipertiroid ve ötroid modellerinde miyokardiyal yağ asidi metabolizması ile inflamasyon arasındaki ilişkinin incelenmesi**
BEKTUR AYKANAT N. E., BAYÇU C., ŞAHİN E., BURUKOĞLU DÖNMEZ D., KAYGISIZ B.
Uluslararası Katılımlı XIII. Ulusal Histoloji ve Embriyoloji Kongresi, Turkey, 30 April - 03 May 2016
- XXV. **Resveratrol ile ortak kültüre edilmiş A549 akciğer kanser hücreleri ve yağ doku kaynaklı mezenseyal kök hücrelerde IL 6 ve VEGF salınımını azaltmaktadır**
ŞAHİN E., BAYÇU C., KOPARAL A. T., BURUKOĞLU DÖNMEZ D., BEKTUR N. E.
Uluslararası Katılımlı XIII. Ulusal Histoloji ve Embriyoloji Kongresi, Turkey, 30 April - 03 May 2016

- XXVI. **Mirtazapin'in Diyabetik Karaciger Üzerine Etkisi**
Özcan Ö., BEKTUR AYKANAT N. E., ŞAHİN E., BAYÇU C.
Uluslararası Katılımlı XIII. Ulusal Histoloji ve Embriyoloji Kongresi, Turkey, 30 April - 03 May 2016
- XXVII. **Mirtazapine affects the ion channels and neuropeptides levels in diabetic neuropathy**
BEKTUR AYKANAT N. E., ŞAHİN E., BURUKOĞLU DÖNMEZ D., BAYÇU C.
XXIV International Symposium on Morphological Sciences, 2 - 06 September 2015
- XXVIII. **Di N Bütil Fitalat ın Dbp Epididimis ve Duktus Deferens'de Oluşturabileceği Hasar ve İşlev Bozukluklarına Resveratrol ün Olası Etkileri**
ŞAHİN E., ILGAZ C., ERDOĞAN D., TAKE KAPLANOĞLU G., GÖKTAŞ G.
XI. Ulusal Histoloji ve Embriyoloji Kongresi, Denizli, Turkey, 16 - 19 May 2012

Metrics

Publication: 54

Citation (Scopus): 232

H-Index (Scopus): 9