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Education Information

Doctorate, Cukurova University, Sağlık Bilimleri Enstitüsü, Temel Tıp Bilimleri, Turkey 2017 - 2023

Research Areas

Medicine, Health Sciences, Fundamental Medical Sciences, Histology and Embryology, Life Sciences, Molecular Biology and Genetics, Genetic Engineering, Cytogenetic, Natural Sciences

Academic Titles / Tasks

Research Assistant PhD, Cukurova University, Tıp Fakültesi, Temel Tıp Bilimleri, 2015 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Anti-Inflammatory effect of INSL-3 on experimental arthritis model and LPS-induced macrophage cell line.**
COŞKUN G., ŞAKER D., Kara S., SAPMAZ T., ÇELENK A., SENCAR L., COŞKUN Ç., POLAT S.
International immunopharmacology, vol.143, no.Pt 2, pp.113439, 2024 (SCI-Expanded)
- II. **Galantamine and wedelolactone combined treatment suppresses LPS-induced NLRP3 inflammasome activation in microglial cells**
ŞAKER D., SENCAR L., COŞKUN G., Sapmaz Ercakalli T., YILMAZ D. M., POLAT S.
Immunopharmacology and Immunotoxicology, 2024 (SCI-Expanded)
- III. **Effects of metformin, letrozole and atorvastatin on inflammation and apoptosis in experimental peritoneal and ovarian endometriosis in the rat**
Sapmaz T., COŞKUN G., ŞAKER D., Pence H. H., Keles P., Hayretdag C., Kuras S., Topkaraoglu S., Erdem E., Efendic F., et al.
PATHOLOGY RESEARCH AND PRACTICE, vol.235, 2022 (SCI-Expanded)
- IV. **Distribution of Aquaporin-4 channels in hippocampus and prefrontal cortex in mk-801-treated balb/c mice**
Ericek O. B., Akillioglu K., Saker D., Cevik I., Donmez Kutlu M., Kara S., Yilmaz D. M.
ULTRASTRUCTURAL PATHOLOGY, vol.46, no.1, pp.63-79, 2022 (SCI-Expanded)
- V. **Histopathological effects of topical coenzyme q 10+Vit E TPGS in experimental ischemic optic neuropathy**
Oruz O., YAR K., ŞAKER D., AÇIKALIN A., Daglioglu Y. K., POLAT S.
ULTRASTRUCTURAL PATHOLOGY, vol.46, pp.54-62, 2022 (SCI-Expanded)
- VI. **Immunohistochemical examination of androgen receptor and estrogen receptor alpha expressions in obstructive and non-obstructive azoospermia.**

Kuyucu Y., Coşkun G., Şaker D., Karaoğlan Ö., Ürünsak İ. F., İzol V., Arıdoğan İ. A., Erdoğan Ş., Özgür H., Polat S.
Systems biology in reproductive medicine, vol.67, no.6, pp.463-470, 2021 (SCI-Expanded)

- VII. **Bisphenol A decreases expression of insulin-like factor 3 and induces histopathological changes in testes of rat**
Sencar L., Coskun G., Şaker D., Sapmaz T., Tuli A., Özgür H., Polat S.
TOXICOLOGY AND INDUSTRIAL HEALTH, vol.37, no.6, pp.314-327, 2021 (SCI-Expanded)
- VIII. **Effects of Theranekron and alpha-lipoic acid combined treatment on GAP-43 and Krox-20 gene expressions and inflammation markers in peripheral nerve injury.**
Sencar L., Coşkun G., Şaker D., Sapmaz T., Kara S., Çelenk A., Polat S., Yılmaz D. M., Dağlıoğlu Y. K., Polat S.
Ultrastructural pathology, vol.45, no.3, pp.167-181, 2021 (SCI-Expanded)
- IX. **Ultrastructural effects of nerve growth factor and betamethasone on nerve regeneration after experimental nerve injury**
SENCAR L., GÜVEN M., ŞAKER D., SAPMAZ T., TULİ A., POLAT S.
ULTRASTRUCTURAL PATHOLOGY, vol.44, no.4-6, pp.436-449, 2020 (SCI-Expanded)
- X. **Effects of Osteocalcin on Synthesis of Testosterone and INSL3 during Adult Leydig Cell Differentiation**
COŞKUN G., SENCAR L., TULİ A., ŞAKER D., ALPARSLAN M. M., POLAT S.
INTERNATIONAL JOURNAL OF ENDOCRINOLOGY, vol.2019, 2019 (SCI-Expanded)
- XI. **Relationships between microRNA-20a and microRNA-125b expression and apoptosis and inflammation in experimental spinal cord injury**
ŞAKER D., SENCAR L., YILMAZ D. M., POLAT S.
NEUROLOGICAL RESEARCH, vol.41, no.11, pp.991-1000, 2019 (SCI-Expanded)

Articles Published in Other Journals

- I. **Transcriptional Control of Neuronal Diversity in Dorsal Neural Tube**
Şaker D., polat s.
Arşiv Kaynak Tarama Dergisi, vol.32, no.3, pp.169-173, 2023 (Peer-Reviewed Journal)
- II. **Glioblastoma hücre hattında (U87) siklopamin ve temozolomid kombine tedavisinin miR-20a ekspresyonu üzerine etkileri**
SENCAR L., COŞKUN G., YILMAZ D. M., GÖKTÜRK D., POLAT S., ŞAKER D., SAPMAZ T., KARA S., ÇELENK A., POLAT S.
CUKUROVA MEDICAL JOURNAL, 2021 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Effects of TFG-β1 on Aβ-40 and α-β-γ Secretase Expression in Hippocampus and Prefrontal Cortex in Experimental Alzheimer's Diseases**
Kara S., Özandaç Polat S., Akıllıoğlu K., Şaker D., Evlice A. T., Sencar L., Coşkun G., Aydın Ü. F., Polat S.
16TH NATIONAL AND 2ND INTERNATIONAL CONGRESS OF HISTOLOGY AND EMBRYOLOGY, Sakarya, Turkey, 26 - 28 September 2024, pp.54-55
- II. **Investigation the Effects of Nimodipine on Experimental Testicular Torsion/Detorsion Model**
Kanak E., Kara S., Şaker D., Görüroğlu Öztürk Ö., Kuyucu Y.
NICHE2024; 16th National and 2nd International Congress of Histology and Embryology, Sakarya, Turkey, 26 - 28 September 2024, pp.1
- III. **Lps ile İndüklenen Mikroglia Hücre Hattında Kolekalsiferol'ün Anti-Inflamatuvar Etkisinin Araştırılması**
COŞKUN G., ŞAKER D.
14th International Medicine and Health Sciences Researches Congress, Turkey, 23 - 24 December 2023
- IV. **Tavşan Kulağı Modelinde Multi Target Tirozin Kinaz İnhibitörü Regorafenib'in Hipertrofik Skar**

Üzerine Etkisi

Şaker D., Karagöz Ceylan Ö. İ., Kuyucu Y., Kesiktaş E.

26. ULUSAL ELEKTRON MİKROSKOPİ KONGRESİ, Eskişehir, Turkey, 20 - 23 September 2023, pp.49

- V. **GALANTAMINE AND WEDELACTONE COMBINED TREATMENT SUPPRESSES LPS-INDUCED INFLAMMATORY RESPONSES AND NLRP3 ACTIVATION IN N9 MICROGLIA CELLS**
Şaker D., Sencar L., Coşkun G., Sapmaz T., Yılmaz D. M., Polat S.
15th NATIONAL – 1 st INTERNATIONAL CONGRESS OF HISTOLOGY AND EMBRYOLOGY, 26 - 28 May 2022, pp.54
- VI. **GALANTAMINE AND WEDELACTONE COMBINED TREATMENT SUPPRESSES LPS-INDUCED INFLAMMATORY RESPONSES AND NLRP3 ACTIVATION IN N9 MICROGLIA CELLS**
ŞAKER D., SENCAR L., COŞKUN G., SAPMAZ ERÇAKALLI T., YILMAZ D. M., POLAT S.
15th NATIONAL – 1st INTERNATIONAL CONGRESS OF HISTOLOGY AND EMBRYOLOGY, Turkey, 26 - 28 May 2022
- VII. **Investigation of MiR-26b and MiR-27b expressions and the effect of Quercetin on Pulmonary Fibrosis**
Toker Ç., METE U. Ö., KUYUCU Y., KARA S., ŞAKER D., GÜZELEL B.
1st INTERNATIONAL MICROSCOPY & SPECTROSCOPY CONGRESS, online, Turkey, 22 - 24 September 2021, pp.70
- VIII. **Effects of Experimental Leydig Cell Damage on The Adrenal Gland**
COŞKUN G., POLAT S., ŞAKER D., SENCAR L., KUYUCU Y., TULİ A., Alparslan M. M., Toker Ç.
International Conference on Research in Health Sciences (ICRHS 2020), Konya, Turkey, 14 - 15 November 2020, pp.174-175
- IX. **Periferik sinir hasarında alfa-lipoik asit tedavisinin nöroprotektif etkisi**
ŞAKER D., SENCAR L., YILMAZ D. M., DAĞLIOĞLU Y. K., SAPMAZ T., COŞKUN G., KARA S., ÇELENK A., POLAT S., POLAT S.
International Conference on Research in Health Sciences(ICRHS 2020), 14 - 15 November 2020
- X. **Effects of experimental leydig cell damage on the adrenal gland**
Polat S., Coşkun G., Şaker D., Sencar L., Tuli A., Alparslan M. M.
International Conference on Research in Health Sciences, Konya, Turkey, 14 - 15 November 2020, pp.175
- XI. **Glioblastoma hücre hattında (U87) Cyclopamin ve Temozolomid kombine tedavisinin miR-20a ekspresyonu üzerine etkileri**
SAPMAZ T., SENCAR L., POLAT S., YILMAZ D. M., POLAT S., COŞKUN G., ŞAKER D., KARA S., ÇELENK A.
International Conference on Research in Health Sciences(ICRHS 2020), 14 - 15 November 2020
- XII. **Deneysel spinal kord yaralanmasında miR-20a ve miR-125b ekspresyonlarının apoptoz ve enflamasyon üzerine etkileri**
ŞAKER D., SENCAR GÜNDOĞDU L., YILMAZ D. M., POLAT S.
XIV. Ulusal Histoloji ve Embriyoloji Kongresi, Antalya, Turkey, 10 - 13 May 2018

Supported Projects

YILMAZ D. M., ERİÇEK Ö. B., KARA S., ŞAKER D., ÇEVİK İ., DÖNMEZ M., Project Supported by Higher Education Institutions, MK801 ile oluşturulan deneysel şizofreni modelinde prefrontal korteks ve hipokampusta Aquaporin-4 kanallarının incelenmesi, 2018 - 2019

Metrics

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