

## Res. Asst. PhD DİLEK ŞAKER

### Personal Information

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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. 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)
- II. 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)
- III. 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)
- IV. 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)
- V. Bisphenol A decreases expression of Insulin-like factor 3 and induces histopathological changes in the Testes of Rats.  
Sencar L., Coskun G., Şaker D., Sapmaz T., Tuli A., Özgür H., Polat S.  
Toxicology and industrial health, vol.37, pp.314-327, 2021 (SCI-Expanded)
- VI. 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., Sapmaç 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)
- VII. **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)
- VIII. **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)
- IX. **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) siklofamin 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. **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
- II. **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
- III. **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
- IV. **Deneysel spinal kord yaralanmasında miR-20a ve miR-125b ekspresyonlarının apopitoz ve enflamasyon üzerine etkileri**  
ŞAKER D., SENCAR GÜNDÖĞDU 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 hipokampuste Aquaporin-4

## Metrics

Publication: 18

Citation (WoS): 19

Citation (Scopus): 37

H-Index (WoS): 2

H-Index (Scopus): 4