

## Lect. PhD NİHAL TÜRKMEN ALEMDAR

### Personal Information

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### Education Information

Doctorate, Karadeniz Technical University, -, Tıbbi Biyokimya, Turkey 2016 - Continues

Postgraduate, Balıkesir University, Institute Of Health Sciences, Tıbbi Biyokimya, Turkey 2013 - 2015

Undergraduate, Balıkesir University, Fen Edebiyat Fakültesi, Biyoloji, Turkey 2010 - 2012

Undergraduate, Fırat University, Faculty Of Science, Biyoloji, Turkey 2008 - 2010

### Dissertations

Postgraduate, RAT KARACİĞER VE BÖBREK DOKULARINDAN SAFLAŞTIRILAN BETA-GLUKOZİDAZLAR ÜZERİNE BAZI ANTİBİYOTİKLERİN *in vitro* ETKİLERİNİN İNCELENMESİ, Balıkesir University, Sağlık Bilimleri Enstitüsü, Tıbbi Biyokimya, 2015

### Research Areas

Health Sciences, Natural Sciences

### Academic Titles / Tasks

Lecturer, Recep Tayyip Erdoğan University, Sağlık Hizmetleri Meslek Yüksekokulu, Tıbbi Hizmetler ve Teknikler Bölümü, 2016 - Continues

### Academic and Administrative Experience

Birim Kalite Komisyonu Üyesi, Recep Tayyip Erdoğan University, Sağlık Hizmetleri Meslek Yüksekokulu, Tıbbi Hizmetler ve Teknikler Bölümü, 2019 - Continues

### Published journal articles indexed by SCI, SSCI, and AHCI

1. **Usnic acid alleviates testicular ischemia/reperfusion injury in rats by modulating endoplasmic reticulum stress.**

DEMİR S., KAZAZ İ. O., Mungan S. A., Alemdar N., PEROLLI N., Demir E. A., MENTEŞE A.

Reproductive toxicology (Elmsford, N.Y.), vol.128, 2024 (SCI-Expanded)

- II. **Gentisic acid attenuates 5-fluorouracil-induced ovotoxicity in rats via modulating Nrf2 signalling: An experimental approach**  
 MENTEŞE A., DEMİR S., YULUĞ E., Kucuk H., Alemdar N., Demir E. A., ALİYAZICIOĞLU Y.  
 Reproductive Toxicology, vol.128, 2024 (SCI-Expanded)
- III. **Ethyl pyruvate attenuates cisplatin-induced ovarian injury in rats via activating Nrf2 pathway**  
 DEMİR S., MENTEŞE A., Kucuk H., YULUĞ E., Alemdar N., AYAZOĞLU DEMİR E., ALİYAZICIOĞLU Y.  
 DRUG AND CHEMICAL TOXICOLOGY, vol.47, no.2, pp.218-226, 2024 (SCI-Expanded)
- IV. **Gallic acid attenuates torsion/detorsion-induced testicular injury in rats through suppressing of HMGB1/NF-κB axis and endoplasmic reticulum stress.**  
 DEMİR S., KAZAZ İ. O., KERİMOĞLU G., Alemdar N., ÇOLAK F., Arıcı T., MENTEŞE A., ALİYAZICIOĞLU Y.  
 Revista internacional de andrologia, vol.22, no.1, pp.1-7, 2024 (SCI-Expanded)
- V. **Chlorogenic acid attenuates cisplatin-induced ovarian injury in rats**  
 AYAZOĞLU DEMİR E., MENTEŞE A., Livaoglu A., Alemdar N., ALİYAZICIOĞLU Y., DEMİR S.  
 DRUG AND CHEMICAL TOXICOLOGY, vol.47, no.2, pp.213-217, 2024 (SCI-Expanded)
- VI. **Therapeutic effect of berberine against 5-fluorouracil induced ovarian toxicity in rats**  
 DEMİR S., TÜRKMEN ALEMDAR N., Kucuk H., AYAZOĞLU DEMİR E., MENTEŞE A., ALİYAZICIOĞLU Y.  
 Biotechnic and Histochemistry, 2024 (SCI-Expanded)
- VII. **Gentisic acid ameliorates cisplatin-induced reprotoxicity through suppressing endoplasmic reticulum stress and upregulating Nrf2 pathway.**  
 MENTEŞE A., DEMİR S., Mungan S. A., Alemdar N., Demir E. A., ALİYAZICIOĞLU Y.  
 Tissue & cell, vol.85, pp.102256, 2023 (SCI-Expanded)
- VIII. **Evaluation of the therapeutic effects of arbutin on cisplatin-induced ovarian toxicity in rats through endoplasmic reticulum stress and Nrf2 pathway.**  
 Demir E. A., MENTEŞE A., Yılmaz Z. S., Alemdar N., DEMİR S., ALİYAZICIOĞLU Y.  
 Reproductive biology, vol.23, no.4, pp.100824, 2023 (SCI-Expanded)
- IX. **The ameliorative effect of Primula vulgaris on cisplatin-induced nephrotoxicity in rats and quantification of its phenolic components using LC-ESI-MS/MS.**  
 Turan I., Canbolat D., Demir S., Kerimoglu G., Colak F., Turkmen Alemdar N., Mentese A., Aliyazicioglu Y.  
 Saudi pharmaceutical journal : SPJ : the official publication of the Saudi Pharmaceutical Society, vol.31, no.9, pp.101730, 2023 (SCI-Expanded)
- X. **The therapeutic effect of silibinin against 5-fluorouracil-induced ovarian toxicity in rats**  
 AYAZOĞLU DEMİR E., MENTEŞE A., Kucuk H., Turkmen Alemdar N., DEMİR S.  
 Journal of Biochemical and Molecular Toxicology, vol.37, no.9, 2023 (SCI-Expanded)
- XI. **Protective potential of pterostilbene against cyclophosphamide-induced nephrotoxicity and cystitis in rats.**  
 Kerimoğlu G., Arıcı T., Bıyık A. F., Kulaber A., Türkmen Alemdar N., Demir S., Aliyazıcıoğlu Y., Yenilmez E.  
 International urology and nephrology, 2023 (SCI-Expanded)
- XII. **Vanillic acid abrogates cisplatin-induced ovotoxicity through activating Nrf2 pathway.**  
 Mentese A., Demir S., Kucuk H., Yulug E., Alemdar N., Demir E. A., Aliyazicioglu Y.  
 Tissue & cell, vol.84, pp.102161, 2023 (SCI-Expanded)
- XIII. **Syringic acid ameliorates ischemia/reperfusion-induced testicular injury in rats via suppressing of HMGB1/NF-kappa B axis and endoplasmic reticulum stress**  
 AYAZOĞLU DEMİR E., DEMİR S., KAZAZ İ. O., Kucuk H., Alemdar N., GEÇİCİ Ö. F., MENTEŞE A., ALİYAZICIOĞLU Y.  
 EUROPEAN JOURNAL OF TRAUMA AND EMERGENCY SURGERY, vol.49, no.3, pp.1595-1602, 2023 (SCI-Expanded)
- XIV. **Arbutin abrogates testicular ischemia/reperfusion injury in rats through repression of inflammation and ER stress**  
 AYAZOĞLU DEMİR E., DEMİR S., KAZAZ İ. O., Kucuk H., Alemdar N., BÜYÜK A., MENTEŞE A., ALİYAZICIOĞLU Y.  
 TISSUE & CELL, vol.82, 2023 (SCI-Expanded)
- XV. **An Investigation of the Protective Effect of Rhododendron luteum Extract on Cisplatin-Induced DNA Damage and Nephrotoxicity and Biochemical Parameters in Rats**  
 Turan I., Canbolat D., DEMİR S., KERİMOĞLU G., ÇOLAK F., Alemdar N., MENTEŞE A., ALİYAZICIOĞLU Y.

Pakistan Veterinary Journal, vol.43, no.3, pp.442-448, 2023 (SCI-Expanded)

- XVI. **Ameliorative effect of gallic acid on cisplatin-induced ovarian toxicity in rats.**  
Ayazoglu D., Mentese A., Livaoglu A., Turkmen A., Demir S.  
Drug and chemical toxicology, vol.46, no.1, pp.97-103, 2023 (SCI-Expanded)
- XVII. **Suppression of cisplatin-induced ovarian injury in rats by chrysin: an experimental study.**  
MENTEŞE A., Alemdar N., Livaoglu A., AYAZOĞLU DEMİR E., ALİYAZICIOĞLU Y., DEMİR S.  
Journal of obstetrics and gynaecology : the journal of the Institute of Obstetrics and Gynaecology, vol.42, no.8, pp.3584-3590, 2022 (SCI-Expanded)
- XVIII. **Chlorogenic acid ameliorates torsion/detorsion-induced testicular injury via decreasing endoplasmic reticulum stress.**  
Kazaz I. O., Demir S., Kerimoğlu G., Colak F., Turkmen Alemdar N., Yilmaz Dogan S., Bostan S., Mentese A.  
Journal of pediatric urology, vol.18, 2022 (SCI-Expanded)
- XIX. **p-Coumaric acid alleviates cisplatin-induced ovarian toxicity in rats**  
AYAZOĞLU DEMİR E., MENTEŞE A., Kucuk H., Turkmen Alemdar N., DEMİR S.  
JOURNAL OF OBSTETRICS AND GYNAECOLOGY RESEARCH, vol.48, no.2, pp.411-419, 2022 (SCI-Expanded)
- XX. **Effect of Chrysin on Endoplasmic Reticulum Stress in a Rat Model of Testicular Torsion**  
KAZAZ İ. O., DEMİR S., KERİMOĞLU G., ÇOLAK F., Alemdar N., Akman A. U., ÇEKÜÇ O. C., MENTEŞE A.  
JOURNAL OF INVESTIGATIVE SURGERY, vol.35, pp.1106-1111, 2022 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Therapeutic Effect of Astaxanthin on 5-Fluorouracil-Induced Ovarian Damage in Rats**  
ayazoglu demir e., Mentese A., LİVAOĞLU a., TÜRKMEN ALEMDAR N., Demir S., Aliyazicioğlu Y.  
Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, vol.11, no.1, pp.47-55, 2024 (Peer-Reviewed Journal)
- II. **Investigation of the Effects of Bilberry Extract on Methotrexate-Induced Hepatotoxicity**  
Kerimoğlu G., Bilgin G., Kerimoğlu S., Türkmen Alemdar N., Demir S., Aliyazicioğlu Y.  
Harran Üniversitesi Tıp Fakültesi Dergisi, vol.20, no.3, pp.519-524, 2023 (Peer-Reviewed Journal)
- III. **Alleviating Effect of Alpha-Pinene on Testicular Torsion and Detorsion Injury in Rats**  
Demir S., Kazaz İ. O., Sağnak Yılmaz Z., Türkmen Alemdar N., Ayazoglu Demir E., Tepe R. S., Mentese A.  
JOURNAL OF UROLOGICAL SURGERY, vol.10, no.3, pp.253-258, 2023 (ESCI)
- IV. **Therapeutic Effect of Sinapic Acid against 5-Fluorouracil-Induced Oxidative Stress and Inflammation in Rat Ovarium: An Experimental Approach**  
Demir S., Mentese A., Livaoglu A., Demir E. A., Alemdar N., Aliyazicioğlu Y.  
FARABI TIP DERGİSİ, vol.2, no.2, pp.1-7, 2023 (Peer-Reviewed Journal)
- V. **Vanillic acid attenuates testicular ischemia/reperfusion injury in rats**  
Mentese A., Demir S., Kazaz I. O., Yulug E., Türkmen Alemdar N., Demir E. A., Kartal M. B., Durmus T. B., Aliyazicioğlu Y.  
BENI-SUEF UNIVERSITY JOURNAL OF BASIC AND APPLIED SCIENCES, vol.55, no.11, pp.3-6, 2022 (ESCI)
- VI. **The Effect of Rosa pimpinellifolia Extract on the Proliferation of Human Tumor Cells**  
DEMİR E. A., DEMİR S., TÜRKMEN N., TURAN İ.  
Kahramanmaraş Sütçü İmam Üniversitesi Tarım ve Doğa Dergisi, vol.24, no.6, pp.1170-1176, 2021 (ESCI)

## Metrics

Publication: 32

Citation (Scopus): 41

H-Index (Scopus): 4