

## **Assoc. Prof. Mustafa Can GÜLER**

### **Personal Information**

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### **International Researcher IDs**

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ScopusID: 56725851400

Yoksis Researcher ID: 51719

### **Education Information**

Doctorate, Ataturk University, Tıp Fakültesi, Dahili Tıp Bilimleri, Turkey 2011 - 2022

Doctorate, Ataturk University, Tıp Fakültesi, Temel Tıp Bilimleri, Turkey 2014 - 2018

Undergraduate, Ataturk University, Tıp Fakültesi, Turkey 1999 - 2006

### **Foreign Languages**

English, C1 Advanced

### **Dissertations**

Doctorate, Sıçanlarda Oluşturulan Deneysel Renal İskemi Reperfüzyon Modeline Costunolide'in Etkileri, Ataturk University, Sağlık Bilimleri Enstitüsü, 2022

Doctorate, Sıçanlara periferal adropin uygulamasının hipotalamik hipofizer adrenal aks üzerine etkisi, Ataturk University, Sağlık Bilimleri Enstitüsü, 2018

### **Research Areas**

Medicine, Medical Pharmacology and Toxicology, Human Physiology

### **Academic Titles / Tasks**

Associate Professor, Ataturk University, Tıp Fakültesi, Temel Tıp Bilimleri, 2022 - Continues

Assistant Professor, Ataturk University, Tıp Fakültesi, Temel Tıp Bilimleri, 2019 - 2022

Research Assistant, Ataturk University, Tıp Fakültesi, Temel Tıp Bilimleri, 2014 - 2019

### **Jury Memberships**

Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, December, 2024

Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, December, 2024

Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, December, 2024  
Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, December, 2024  
Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, December, 2024  
Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, December, 2024  
Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Ağrı İbrahim Çeçen Üniversitesi, November, 2024  
Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, May, 2023  
Doctoral Examination, Doctoral Examination, Atatürk Üniversitesi, May, 2023  
Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Kafkas Üniversitesi, February, 2023  
Appointment to Academic Staff-Assistant Professorship, Appointment to Academic Staff-Assistant Professorship, Kafkas Üniversitesi, February, 2023

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

- I. **Epilepsy genetics in the paediatric population of the Eastern Anatolia region of Turkey.**  
Yarali O., Gündoğdu Öğütlü Ö. B., Saritaş S., Guler M. C., Keskin F., Türkyilmaz A.  
Journal of neurogenetics, pp.1-10, 2024 (SCI-Expanded)
- II. **Costunolide, an effective agent against oxidative damage, apoptosis and autophagy in the ovarian torsion/detorsion model.**  
Armin Akış P., Tanyeli A., Ekinci Akdemir F. N., Güler M. C., Şebin S. Ö., Eraslan E., Laloğlu E., Çomaklı S.  
Archives of physiology and biochemistry, pp.1-9, 2024 (SCI-Expanded)
- III. **Methamphetamine Use Disorder and Inflammation: A Case-Control Study.**  
Gürbüzer N., Güler M. C., Tör I. B. H.  
Psychiatry investigation, vol.21, no.5, pp.513-520, 2024 (SCI-Expanded)
- IV. **Alleviating sepsis: Revealing the protective role of costunolide in a cecal ligation and puncture rat model**  
GÜLER M. C., Tanyel A., Eraslan E., ÇELEBİ Ö., ÇELEBİ D., ÇOMAKLI S., YURDGÜLÜ E. E., BAYIR Y.  
IRANIAN JOURNAL OF BASIC MEDICAL SCIENCES, vol.27, no.5, pp.567-576, 2024 (SCI-Expanded)
- V. **Boron Compound-Based Treatments Against Multidrug-Resistant Bacterial Infections in Lung Cancer In Vitro Model**  
ÇELEBİ D., ÇELEBİ Ö., AYDIN E., Başer S., GÜLER M. C., YILDIRIM S., TAGHIZADEHGHALEHJOUGH A.  
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.202, pp.145-160, 2024 (SCI-Expanded)
- VI. **A retrospective study on biotinidase deficiency: analysis of the Eastern Anatolia region patient cohort**  
Yaralı O., Arslan S., Gündoğdu Öğütlü Ö. B., GÜLER M. C., Akgül B. N.  
Scandinavian Journal of Clinical and Laboratory Investigation, 2024 (SCI-Expanded)
- VII. **The protective effects of hesperidin pretreatment on kidney and remote organs against renal ischemia-reperfusion injury**  
Karacaer C., Erdogan D. G., TANYELİ A., Baylan H., ERASLAN E., GÜLER M. C., Polat E., ÇOMAKLI S.  
EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES, vol.27, no.7, pp.2808-2814, 2023 (SCI-Expanded)
- VIII. **Costunolide prevents renal ischemia-reperfusion injury in rats by reducing autophagy, apoptosis, inflammation, and DNA damage**  
Güler M. C., Akpinar E., Tanyeli A., Çomaklı S., Bayir Y.  
IRANIAN JOURNAL OF BASIC MEDICAL SCIENCES, vol.26, pp.1168-1176, 2023 (SCI-Expanded)
- IX. **The effects of tarantula cubensis extract on renal ischemia reperfusion injury in rats**  
ÖZBEK ŞEBİN S., Nacar T., TANYELİ A., ERASLAN E., GÜLER M. C., Toktay E., Polat E., Gedik H. T.  
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.53, no.2, pp.463-474, 2023 (SCI-Expanded)
- X. **Therapeutic effects of apocynin on ovarian ischemia-reperfusion induced lung injury**

- TANYELİ A., Erdogan D. G., ÇOMAKLI S., Polat E., GÜLER M. C., ERASLAN E., DOĞANAY S.  
BIOTECHNIC & HISTOCHEMISTRY, vol.97, no.7, pp.536-545, 2022 (SCI-Expanded)
- XI. **Urapidil alleviates ovarian torsion detorsion injury via regulating oxidative stress, apoptosis, autophagia, and inflammation**  
GÜLER M. C., TANYELİ A., Erdogan D. G., ERASLAN E., ÇOMAKLI S., Polat E., DOĞANAY S.  
IRANIAN JOURNAL OF BASIC MEDICAL SCIENCES, vol.24, no.7, pp.935-942, 2021 (SCI-Expanded)
- XII. **THE POSSIBLE BENEFICIAL EFFECT OF AMPLEOPSLIN ON INJURIES OF OVARIAN AND LUNG TISSUES GENERATED BY OVARIAN TORSION/DETORSION**  
Yilmaz E. P., Tanyeli A., AKDEMİR F. N. E., Gueler M. C., Eraslan E.  
JOURNAL OF ANIMAL AND PLANT SCIENCES-JAPS, vol.30, no.6, pp.1366-1373, 2020 (SCI-Expanded)
- XIII. **Agomelatine prevents indomethacin-induced gastric ulcer in rats**  
Eraslan E., Tanyeli A., Güler M. C., Kurt N., Yetim Z.  
PHARMACOLOGICAL REPORTS, vol.72, no.4, pp.984-991, 2020 (SCI-Expanded)
- XIV. **Higenamine Decreased Oxidative Kidney Damage Induced By Ischemia Reperfusion in Rats**  
GÜLER M. C., TANYELİ A., Eraslan E., Ekinci Akdemir F. N., Nacar T., TOPDAĞI Ö.  
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGİSİ, vol.26, no.3, pp.365-370, 2020 (SCI-Expanded)
- XV. **Preventive effects of fraxin on ischemia/reperfusion-induced acute kidney injury in rats**  
Topdağı Ö., Tanyeli A., Akdemir F., Eraslan E., Güler M., Çomaklı S.  
LIFE SCIENCES, vol.242, 2020 (SCI-Expanded)
- XVI. **Gossypin Protects Against Renal Ischemia-Reperfusion Injury in Rats**  
TANYELİ A., Eraslan E., GÜLER M. C., Kurt N., Akaras N.  
KAFKAS UNIVERSITESI VETERINER FAKULTESI DERGİSİ, vol.26, no.1, pp.89-96, 2020 (SCI-Expanded)
- XVII. **Effectiveness of Syringic Acid Aganist Reproductive Organ Damage in Rats**  
TANYELİ A., Yilmaz E. P. T., AKDEMİR F. N. E., ERASLAN E., GÜLER M. C.  
ACTA PHYSIOLOGICA, vol.227, pp.118, 2019 (SCI-Expanded)
- XVIII. **The antiapoptotic and antioxidant effects of eugenol against cisplatin-induced testicular damage in the experimental model**  
Akdemir F. N. E., Yıldırım S., Kandemir F. M., Aksu E. H., Guler M. C., Kızıltunç Özmen H., Küçükler S., Eser G.  
ANDROLOGIA, vol.51, no.9, 2019 (SCI-Expanded)
- XIX. **Effectiveness of Syringic Acid against reproductive Organ Damage in rats**  
Tanyeli A., Topdağı Yilmaz E. P., Ekinci Akdemir F. N., Eraslan E., Güler M. C.  
Acta Physiologica, vol.1, pp.1, 2019 (SCI-Expanded)
- XX. **The therapeutic efficacy of gentisic acid in torsion-detorsion model of the ovarian tissue in rats**  
TANYELİ A., TOPDAĞI YILMAZ E. P., EKİNCİ AKDEMİR F. N., ERASLAN E., GÜLER M. C.  
ACTA PHYSIOLOGICA, vol.1, pp.1, 2019 (SCI-Expanded)
- XXI. **Anti-oxidant and anti-inflamatuar effectiveness of caftaric acid on gastric ulcer induced by indomethacin in rats**  
TANYELİ A., AKDEMİR F. N. E., Eraslan E., GÜLER M. C., NACAR T.  
GENERAL PHYSIOLOGY AND BIOPHYSICS, vol.38, no.2, pp.175-181, 2019 (SCI-Expanded)
- XXII. **Evodiamine Against Intestinal Tissue Damage Induced by Mesenteric Ischemia-Reperfusion**  
GÜLER M. C., TANYELİ A., AKDEMİR F. N. E., Eraslan E., GÜLER M. C., TOPDAĞI Ö.  
ACTA PHYSIOLOGICA, vol.225, pp.55, 2018 (SCI-Expanded)
- XXIII. **Protective Effect of Casticin Against Ovary Ischemia-Reperfusion Damage**  
TANYELİ A., AKDEMİR F. N. E., Eraslan E., GÜLER M. C., TOPDAĞI Ö.  
ACTA PHYSIOLOGICA, vol.225, pp.51, 2018 (SCI-Expanded)
- XXIV. **Can ADRP Hormone be a New Marker in Breast Cancer?**  
TOPDAĞI Ö., Eraslan E., TANYELİ A., GÜLER M. C., Sebin E., ÖZBEK ŞEBİN S., POLAT E.  
ACTA PHYSIOLOGICA, vol.225, pp.34, 2018 (SCI-Expanded)
- XXV. **The Effects of Agomelatine on Indomethacin-Induced Gastric Injury in Rats**  
TANYELİ A., Eraslan E., GÜLER M. C., KURT N., Yetim Z.  
ACTA PHYSIOLOGICA, vol.225, pp.48, 2018 (SCI-Expanded)

- XXVI. **Antioxidant Effects of Persimmon (*Diospyros Kaki L.*) Against Ethanol-induced Gastric Ulcer in Rats**  
 TANYELİ A., GÜLER M. C., ERASLAN E., BOZHÜYÜK M. R., KURT N.  
*ACTA PHYSIOLOGICA*, vol.221, pp.90, 2017 (SCI-Expanded)
- XXVII. **Investigation of the Effect of Nifedipine on Kidney Carbonic Anhydrase Enzyme of Ischemia/Reperfusion Injured Rat**  
 ERASLAN E., GÜLER M. C., TANYELİ A., ŞENTÜRK M.  
*ACTA PHYSIOLOGICA*, vol.221, pp.92-93, 2017 (SCI-Expanded)
- XXVIII. **The Effects of the Adropin Hormone on Orexigenic and Anorexigenic Neurons**  
 ERASLAN E., TANYELİ A., GÜLER M. C., NACAR T., BAL TAŞTAN T.  
*ACTA PHYSIOLOGICA*, vol.221, pp.111, 2017 (SCI-Expanded)
- XXIX. **The Effects of Gossypin on Renal Ischemia/Reperfusion Injury in Rats: Histopathologic Study**  
 TANYELİ A., ERASLAN E., GÜLER M. C., AKARAS N.  
*ACTA PHYSIOLOGICA*, vol.221, pp.94, 2017 (SCI-Expanded)
- XXX. **Effect of Adropin on the Penicilline-induced Epileptiform Activity**  
 NACAR T., DOĞRU Y. Z., TANYELİ A., ERASLAN E., GÜLER M. C.  
*ACTA PHYSIOLOGICA*, vol.221, pp.84-85, 2017 (SCI-Expanded)
- XXXI. **The Effects of Tarantula Cubensis Extract on Renal Ischemia/Reperfusion Injury in Rats**  
 ÖZBEK ŞEBİN S., NACAR T., TANYELİ A., ERASLAN E., GÜLER M. C., TOKTAY E., POLAT E.  
*ACTA PHYSIOLOGICA*, vol.221, pp.93, 2017 (SCI-Expanded)
- XXXII. **Determination of Glutathione Reductase Enzyme Activity in Liver of Ischemia/ Reperfusion Damaged Rats**  
 GÜLER M. C., ERASLAN E., TANYELİ A., ŞENTÜRK M.  
*ACTA PHYSIOLOGICA*, vol.221, pp.91, 2017 (SCI-Expanded)
- XXXIII. **Investigation of The Effect of *Ziziphus Jujuba* Extract on Ethanol-Applied Rat Carbonic Anhydrase Enzyme**  
 GÜLER M. C., ERASLAN E., Senturk M., BOZHÜYÜK M. R.  
*ACTA PHYSIOLOGICA*, vol.221, pp.55, 2017 (SCI-Expanded)
- XXXIV. **The Effects of Adropin Application on the Hormones Having a Role in the Reproduction Function**  
 GÜLER M. C., ERASLAN E., TANYELİ A., POLAT E., BAL T., KURT N.  
*Acta Physiologica*, 2016 (SCI-Expanded)
- XXXV. **The Effects on the Thyroid Hormones of the Application of Peripheral-Adropin in Rats**  
 NACAR T., TANYELİ A., ERASLAN E., GÜLER M. C., POLAT E., POLAT E.  
*Acta Physiologica*, 2016 (SCI-Expanded)
- XXXVI. **The Effects of Nifedipine in Liver Injury Induced byRenal Ischemia-Reperfusion**  
 GÜLER M. C., TANYELİ A., ERASLAN E., POLAT E., POLAT E., KURT N.  
*Acta Physiologica*, 2016 (SCI-Expanded)

## Articles Published in Other Journals

- I. **A Study of The Spinal Muscular Atrophy Cohorts in The Eastern Anatolia Region of Türkiye**  
 YARALI O., GÜNDÖĞDU ÖĞÜTLÜ Ö. B., Sarıtaş S., GÜLER M. C., Keskin F.  
*Southern Clinics of Istanbul Eurasia*, 2024 (Peer-Reviewed Journal)
- II. **A Neurophysical Hypothesis on the Role of the Intensity of the Electromagnetic Field Generated by the Cerebral Hemispheres in the Determination of Laterality, in Line with Einstein's Unified Field Theory**  
 GÜLER M. C., KARADAĞ M. K., AYDIN M. D.  
*JOURNAL OF CONTEMPORARY MEDICINE*, vol.14, no.4, pp.174-179, 2024 (Peer-Reviewed Journal)
- III. **Can Apigenin Be an Effective Therapeutic Agent Against Experimental Renal Ischemia-Reperfusion Injury?**  
 TOPDAĞI Ö., GÜLER M. C., ERASLAN E., EKİNCİ AKDEMİR F. N., TANYELİ A., ÖZBEK ŞEBİN S., ŞEBİN E.

- Pediatric Practice and Research, vol.12, no.2, pp.53-56, 2024 (Peer-Reviewed Journal)
- IV. **Potential Beneficial Effects of Apelin-13 on Testicular Ischemia-Reperfusin Injury**  
TANYELİ A., GÜLER M. C., ERASLAN E., ÖZBEK ŞEBİN S., BİRCAN B., ŞEBİN E., EKİNCİ AKDEMİR F. N.  
New Trends in Medicine Sciences, vol.5, no.2, pp.98-103, 2024 (Peer-Reviewed Journal)
- V. **The Protective Role of Syringic Acid on Ovarian Injury Created by Ischemia Reperfusion**  
TOPDAĞI YILMAZ E. P., TANYELİ A., ERASLAN E., GÜLER M. C., EKİNCİ AKDEMİR F. N., GÜZEL ERDOĞAN D., TAŞPINAR F.  
Van Tip Dergisi, vol.31, no.2, pp.127-132, 2024 (Peer-Reviewed Journal)
- VI. **Investigation of the presence of the virus in the urine and fecal samples of COVID-19 diagnosed and suspected patients by RT-PCR method: A different perspective on fecal-oral transmission theory**  
BALKAN BOZLAK Ç. E., ünlü gül b., coşgun y., yıldız b., YILMAZ A., VATANSEVER Z., ÖZDEN Ö., ŞÜKÜN A., TUNA A., ÇALIŞKAN O., et al.  
Medicine Science, vol.13, no.1, pp.67-73, 2024 (Peer-Reviewed Journal)
- VII. **A Newly Defined Electromagnetic Dural Armor Functioned as a Brain Protecting CerebrospHERE: A Preliminary Theoretical Analysis**  
AYDIN M. D., GÜLER M. C., ŞAHİN M. H., ÇELİK E. C., KELEŞ O. N.  
New Trends in Medicine Sciences, vol.5, no.1, pp.14-20, 2024 (Peer-Reviewed Journal)
- VIII. **Klebsiella pneumoniae Infection in Alveolar Type II Epithelial Cells; Antibiotic-Vitamin Combination Therapeutic Effect**  
ÇELEBİ Ö., ÇELEBİ D., Başer S., YILDIRIM S., GÜLER M. C., TAGHIZADEHGHALEHJOUGHİ A.  
Genel Tip Dergisi, vol.33, no.5, pp.503-508, 2023 (Peer-Reviewed Journal)
- IX. **Gastroprotective Effects of Jujuba (*Ziziphus jujuba*) Fruit Extract Against the Ethanol-Related Gastric Ulcer in Rats**  
TANYELİ A., GÜLER M. C., ERASLAN E., BOZHÜYÜK M. R., EKİNCİ AKDEMİR F. N., TOKTAY E., KURT N., ÖZKAN G., ÇAPANOĞLU GÜVEN E.  
JOURNAL OF CONTEMPORARY MEDICINE, vol.13, no.6, pp.1046-1052, 2023 (Peer-Reviewed Journal)
- X. **The Effect of Rosmarinic Acid Against Ovarian and Lung Injuries Induced by Ovarian Torsion Detorsion in Rats**  
TANYELİ A., EKİNCİ AKDEMİR F. N., GÜZEL ERDOĞAN D., Erdogan K., ERASLAN E., Bilgin G., GÜLER M. C.  
Pediatric Practice and Research Journal, vol.11, no.2, pp.47-52, 2023 (Peer-Reviewed Journal)
- XI. **Reno-Protective Effects of Brusatol Against Renal Ischemia Reperfusion Injury**  
EKİNCİ AKDEMİR F. N., TANYELİ A., ERASLAN E., GÜLER M. C., TOPDAĞI Ö., NACAR T.  
Akdeniz Tip Dergisi, vol.9, no.2, pp.136-141, 2023 (Peer-Reviewed Journal)
- XII. **Evaluation of the Effect of the Combination of Boron Compounds on Chronic Liver Disease**  
ÇELEBİ Ö., ÇELEBİ D., TAGHIZADEHGHALEHJOUGHİ A., Başer S., GÜLER M. C., YILDIRIM S.  
JOURNAL OF CONTEMPORARY MEDICINE, vol.13, no.2, pp.163-169, 2023 (Peer-Reviewed Journal)
- XIII. **Toward to Explain of Working Principles of Blood-Brain Barriers Like X-Ray Devices: A Neurophysical Hypothesis**  
Aydın M. D., Güler M. C., Atalay C., Keleş O. N.  
JOURNAL OF CONTEMPORARY MEDICINE, vol.13, no.1, pp.42-46, 2023 (Peer-Reviewed Journal)
- XIV. **The Antibacterial Effect of Boron Compounds and Evaluation of the Effects on Biofilm Formation in the Infection Model of Klebsiella pneumoniae on the HepG2 Cell Line**  
ÇELEBİ Ö., ÇELEBİ D., TAGHIZADEHGHALEHJOUGHİ A., başer s., GÜLER M. C., YILDIRIM S.  
JOURNAL OF CONTEMPORARY MEDICINE, vol.13, no.1, pp.12-18, 2023 (Peer-Reviewed Journal)
- XV. **Determination of antibacterial activity of St. Johns Wort (*Hypericum perforatum L.*) oil, Nigella sativa oil, Clove (*Eugenia caryophyllata*) oil, Orange Peel (*Citrus sinensis*) and Garlic (*Allium sativa*) oil against microorganisms isolated from clinical samples**  
ÇELEBİ Ö., Başer S., GÜLER M. C., ÇELEBİ D., ÇELEBİ S.  
New Trends in Medicine Sciences, vol.4, no.1, pp.19-26, 2023 (Peer-Reviewed Journal)
- XVI. **An Overview of Ischemia-Reperfusion Injury: Review on Oxidative Stress and Inflammatory Response**

- GÜLER M. C., TANYELİ A., EKİNCİ AKDEMİR F. N., ERASLAN E., ÖZBEK ŞEBİN S., GÜZEL ERDOĞAN D., NACAR T. EURASIAN JOURNAL OF MEDICINE, vol.54, 2022 (ESCI)
- XVII. **The Role of p-Coumaric Acid on Reproductive and Remote Organ Damages Created by Adnexal Torsion/Detorsion: Biochemical and Immunohistochemical A Study**  
TANYELİ A., EKİNCİ AKDEMİR F. N., ERASLAN E., GÜLER M. C., NACAR T., ÇOMAKLI S., GÜLÇİN İ. CLINICAL AND EXPERIMENTAL HEALTH SCIENCES, vol.12, no.4, pp.1005-1012, 2022 (ESCI)
- XVIII. **Cecal Ligation and Puncture-Induced Sepsis Model in Rats**  
Güler M. C., Tanyeli A., Eraslan E., Çomaklı S., Bayır Y.  
Laboratuvar Hayvanları Bilimi ve Uygulamaları Dergisi, vol.2, no.2, pp.81-89, 2022 (Peer-Reviewed Journal)
- XIX. **Beneficial Effects of Urapidil Against Renal Ischemia Reperfusion-Related Renal Injury**  
GÜZEL ERDOĞAN D., TANYELİ A., GÜLER M. C., ERASLAN E., ÇOMAKLI S., DOĞANAY S.  
Southern Clinics of Istanbul Eurasia, vol.33, no.2, pp.198-202, 2022 (Peer-Reviewed Journal)
- XX. **Gastroprotective Effects of Fraxin with Antioxidant Activity on the Ethanol Induced Gastric Ulcer**  
GÜLER M. C., EKİNCİ AKDEMİR F. N., TANYELİ A., ERASLAN E., BAYIR Y.  
Southern Clinics of Istanbul Eurasia, vol.33, no.1, pp.21-26, 2022 (Peer-Reviewed Journal)
- XXI. **The possible useful effectiveness of sinapic acid in secondary organ damage sepsis-induced in rats**  
TANYELİ A., EKİNCİ AKDEMİR F. N., ERASLAN E., GÜLER M. C., ÖZBEK ŞEBİN S., ÇOMAKLI S., GÜLÇİN İ.  
Clinical and Experimental Health Sciences, vol.12, no.1, pp.134-140, 2022 (ESCI)
- XXII. **Hesperidin Alleviates Cecal Ligation and Puncture-Induced Lung and Kidney Injuries**  
GÜZEL ERDOĞAN D., TANYELİ A., EKİNCİ AKDEMİR F. N., GÜLER M. C., ERASLAN E., ÇOMAKLI S., POLAT E.  
Akdeniz Medical Journal, vol.8, no.1, pp.1-8, 2022 (Peer-Reviewed Journal)
- XXIII. **SCM-198 Can Regulate Autophagy Through the Bax/Bcl-2/TLR4 Pathway to Alleviate Renal Ischemia-Reperfusion Injury**  
ERASLAN E., BİRCAN B., TANYELİ A., GÜLER M. C., BAYIR Y., ALTUN S.  
EUROBIOTECH JOURNAL, vol.5, no.4, pp.161-169, 2021 (ESCI)
- XXIV. **Casticin Mitigates Renal Damage Injured by Ischemia Reperfusion: A Biochemical Study**  
TOPDAĞI Ö., TANYELİ A., EKİNCİ AKDEMİR F. N., GÜZEL ERDOĞAN D., ERASLAN E., GÜLER M. C., POLAT E.  
International Journal of Academic Medicine and Pharmacy, vol.3, no.2, pp.245-248, 2021 (Peer-Reviewed Journal)
- XXV. **Brusatol Over İskemi Reperfüzyonu ile İndüklenmiş Over Dokusu Oksidatif Yaralanmasını Azaltır**  
EKİNCİ AKDEMİR F. N., TANYELİ A., GÜLER M. C., ERASLAN E., TOPDAĞI YILMAZ E. P., TOPDAĞI Y. E.  
Akdeniz Medical Journal, vol.7, no.2, pp.206-211, 2021 (Peer-Reviewed Journal)
- XXVI. **Urapidil Çekal Ligasyon ve Delme ile İndüklenen Akciğer ve Böbrek Hasarını Hafifletir**  
GÜZEL ERDOĞAN D., TANYELİ A., DOĞANAY S., GÜLER M. C., ERASLAN E.  
Sakarya Medical Journal, vol.11, no.1, pp.142-147, 2021 (Peer-Reviewed Journal)
- XXVII. **Persimmon (*Diospyros Kaki* L.) Alleviates Ethanol-Induced Gastric Ulcer in Rats**  
GÜLER M. C., TANYELİ A., ERASLAN E., BOZHÜYÜK M. R., EKİNCİ AKDEMİR F. N., TOKTAY E., KURT N., ÇAPANOĞLU GÜVEN E., ÖZKAN G.  
Southern Clinics of Istanbul Eurasia, vol.32, no.1, pp.1-7, 2021 (Peer-Reviewed Journal)
- XXVIII. **Myricetin Decreases Ovarian and Lung Tissue Injuries Induced by Ovarian Torsion-Detorsion: A Biochemical Study**  
TOPDAĞI Y. E., TANYELİ A., EKİNCİ AKDEMİR F. N., ERASLAN E., GÜLER M. C.  
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- XXXVIII. Determining the Correlation between Thyroid Hormone and Adropine Hormone in Rats which received Cold Restraint Stress**  
GÜLER M. C., TANYELİ A., ERASLAN E., NACAR T., polat e.  
Federation of European Physiological Societies, 13 - 15 September 2017
- XXXIX. In Vitro Effects of Some Pesticides on Some Human Carbonic Anhydrases**  
GÜLER M. C., ERASLAN E., TANYELİ A., ŞENTÜRK M.  
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- XL. Determining the Correlation between Thyroid Hormone and Adropin Hormone in Rats which received Cold Restraint Stress**  
GÜLER M. C., TANYELİ A., ERASLAN E., NACAR T., POLAT E.  
FEPS 2017 Vienna Congress, 13 - 15 September 2017
- XLI. The Effects of Gossypin on Renal Ischemia/Reperfusion Injury in Rats: Histopathologic Study**  
TANYELİ A., ERASLAN E., GÜLER M. C., AKARAS N.  
43. Ulusal Fizyoloji Kongresi, Denizli, Turkey, 7 - 10 September 2017, pp.94
- XLII. Determination of Glutathione Reductase Enzyme Activity in Liver of Ischemia/Reperfusion Damaged Rats**  
GÜLER M. C., ERASLAN E., TANYELİ A., ŞENTÜRK M.  
43. Ulusal Fizyoloji Kongresi, Denizli, Turkey, 7 - 10 September 2017, pp.91
- XLIII. The Effects of Tarantula Cubensis Extract on Renal Ischemia Reperfusion Injury in Rats**  
ÖZBEK ŞEBİN S., NACAR T., TANYELİ A., ERASLAN E., GÜLER M. C., TOKTAY E., polat e.  
43. Ulusal Fizyoloji Kongresi, Denizli, Turkey, 7 - 10 September 2017, pp.93
- XLIV. Effect of Adropin on the Penicilline-induced Epileptiform Activity**  
NACAR T., DOĞRU Y. Z., TANYELİ A., ERASLAN E., GÜLER M. C.  
43. Ulusal Fizyoloji Kongresi, Denizli, Turkey, 7 - 10 September 2017, pp.84-85
- XLV. Antioxidant Effects of Persimmon (*Diospyros Kaki L.*) Against Ethanol-induced Gastric Ulcer in Rats**  
TANYELİ A., GÜLER M. C., ERASLAN E., BOZHÜYÜK M. R., KURT N.  
43. Ulusal Fizyoloji Kongresi, Denizli, Turkey, 7 - 10 September 2017, pp.90
- XLVI. Investigation of the Effect of Nifedipine on Kidney Carbonic Anhydrase Enzyme of Ischemia/Reperfusion Injured Rat**  
ERASLAN E., GÜLER M. C., TANYELİ A., ŞENTÜRK M.  
43. Ulusal Fizyoloji Kongresi, Denizli, Turkey, 7 - 10 September 2017, pp.92-93
- XLVII. Sıçanlarda Böbrek İskemi/Reperfüzyon Hasarına Tarantula Cubensis Ekstraktının Etkileri**  
ÖZBEK ŞEBİN S., NACAR T., TANYELİ A., ERASLAN E., GÜLER M. C., POLAT E.  
43. Ulusal Fizyoloji Kongresi, Turkey, 7 - 10 September 2017
- XLVIII. Investigation of The Effect of *Ziziphus Jujuba* Extract on Ethanol-Applied Rat Carbonic Anhydrase Enzyme**  
GÜLER M. C., ERASLAN E., TANYELİ A., ŞENTÜRK M., BOZHÜYÜK M. R.  
43. Ulusal Fizyoloji Kongresi, Denizli, Turkey, 7 - 10 September 2017, pp.55
- XLIX. GASTROPROTECTIVE EFFECTS OF DIFFERENT APPLE (*MALUS DOMESTICA BORKH.*) CULTIVARS EXTRACTS AGAINST ETHANOL-INDUCED GASTRIC ULCER IN RATS**  
TANYELİ A., ERASLAN E., GÜLER M. C., BOZHÜYÜK M. R., NACAR T., TOKTAY E.  
1. International Congress on Medicinal and Aromatic Plants, 10 - 12 May 2017
- L. Gastroprotective effects of different apple (*Malus domestica Borkh.*) cultivars extracts against ethanol-induced gastric ulcer on rats.**  
TANYELİ A., ERASLAN E., GÜLER M. C., BOZHÜYÜK M. R., NACAR T., TOKTAY E.  
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- LI. Gastroprotective Effects of *Ziziphus jujuba* Fruit Extract Against Ethanol-Induced Gastric Mucosal Hemorrhagic Lesions in Rats.**

- BOZHÜYÜK M. R., GÜLER M. C., TANYELİ A., TOKTAY E., ERASLAN E.  
 1st International Congress on Medicinal and Aromatic Plants, 9 - 12 May 2017
- LII. **GASTROPROTECTIVE EFFECTS OF PYRUS COMMUNIS AGAINST ETHANOL-INDUCED GASTRIC MUCOSALHEMORRHAGIC LESIONS IN RATS**  
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 1. International Congress on Medicinal and Aromatic Plants, 10 - 12 May 2017
- LIII. **GASTROPROTECTIVE EFFECTS OF PERSIMMON (DIOSPYROS KAKI L.) AGAINST ETHANOL-INDUCED GASTRICULCER IN RATS**  
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- LIV. **GASTROPROTECTIVE EFFECTS OF ZIZIPHUS JUJUBA FRUIT EXTRACT AGAINST ETHANOL-INDUCED GASTRICMUCOSAL HEMORHAGIC LESIONS IN RATS**  
 BOZHÜYÜK M. R., GÜLER M. C., TANYELİ A., TOKTAY E., ERASLAN E.  
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- LV. **Acetylcholinesterase Inhibitory Effect of Gossypin**  
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- LVI. **The Effects on the Thyroid Hormones of the Application ofPeripheral-Adropin in Rats**  
 NACAR T., TANYELİ A., ERASLAN E., GÜLER M. C., POLAT E., POLAT E.  
 42. Ulusal Fizyoloji Kongresi, Düzce, Düzce, Turkey, 5 - 08 September 2016, pp.51
- LVII. **The Effects of Adropin Application on the Hormones Having a Role in the Reproduction Function**  
 GÜLER M. C., ERASLAN E., TANYELİ A., POLAT E., BAL T., KURT N.  
 42. Ulusal Fizyoloji Kongresi, Düzce, Düzce, Turkey, 5 - 08 September 2016, pp.59
- LVIII. **The Effects of Nifedipine in Liver Injury Induced by Renal Ischemia-Reperfusion**  
 GÜLER M. C., TANYELİ A., ERASLAN E., POLAT E., POLAT E., KURT N.  
 42. Ulusal Fizyoloji Kongresi, Düzce, Düzce, Turkey, 5 - 08 September 2016, pp.55

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- ÇELEBİ Ö., GÜLER M. C., MAMMADOVA N., Project Supported by Higher Education Institutions, Deneysel Alerjik Rinit Sıçan Modelinde Bağırsak Mikrobiyota Profilinin Belirlenmesi, 2024 - Continues
- TANYELİ A., GÜLER M. C., ÇELEBİ Ö., ÇELEBİ D., BAŞER S., Project Supported by Higher Education Institutions, Antioksidan ve Antiinflamatuvlar Etkili Bir Molekül Olan Belnacasanın VX765 ve CLP Çekal Ligasyon ve Delme ile indüklenen Sepsis Modeline Karşı Etkileri, 2024 - Continues
- ÇELEBİ D., TANYELİ A., GÜLER M. C., ÇELEBİ Ö., UÇAR M., BAŞER S., Project Supported by Higher Education Institutions, Escherichia coli Hücre Dışı Vezikülleri ile İndüklenen Septik Sıçanlarda Costunolidenin Protektif Etkinliğinin ve Mikrobiyota Üzerine Etkilerinin Araştırılması, 2024 - Continues
- GÜLER M. C., AYDIN E., UÇAR M., BAŞER S., ÇELEBİ S., Project Supported by Higher Education Institutions, C vitamininin Acinetobacter baumannii ye karşı Antimikroiyal ve Antibiyofilm Aktivitesinin Değerlendirilmesi İn vitro İn vivo Çalışma Örneği, 2024 - Continues
- ÖZBEK ŞEBİN S., TANYELİ A., LALOĞLU E., GÜLER M. C., GÜLAKAR B., AKSOY A. S., YAĞMUR M., Project Supported by Higher Education Institutions, Sıçanlarda Böbrek İskemi Reperfüzyon Hasarına D Carvone'nun Etkileri, 2022 - Continues
- Güler M. C., Yavuz D., Other International Funding Programs, Comprehensive Approaches to Hemodialysis: Current Practices and Future Directions, 2024 - 2025
- Çelebi Ö., Çelebi S., Çelebi D., Güler M. C., Tanyeli A., Başer S., Project Supported by Higher Education Institutions, Sıçanlarda Over İskemi Reperfüzyon Hasarı ile Birlikte Candida albicans Hücre dışı vezikülleri ile Gelişen Enfeksiyona Karşı Fraxinin Etkisinin Araştırılması, 2024 - 2025
- Güler M. C., Aslan A., Olğun A., Other International Funding Programs, Collaborative Insights in Breast Health, 2023 - 2024
- Güler M. C., Gülbay G., Aybek S. D., Other International Funding Programs, Pioneering Research in Circadian Medicine on

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NACAR T., GÜLER M. C., Project Supported by Higher Education Institutions, Penisilinle İndüklenmiş Epileptiform Aktivite Üzerine Adropinin Etkileri, 2015 - 2020

NACAR T., GÜLER M. C., Project Supported by Higher Education Institutions, "SİÇANLARA PERİFERAL ADROPİN UYGULAMASININ HİPOTALAMİK HİPOFİZER ADRENAL AKS ÜZERİNE ETKİSİ", 2016 - 2018

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## Activities in Scientific Journals

New Trends in Medicine Sciences , First Editor, 2020 - Continues

## Memberships / Tasks in Scientific Organizations

Atatürk Üniversitesi Tıbbi Deneysel Uygulama ve Araştırma Merkezi Müdürlüğü, Board Member, 2024 - Continues, Turkey

Sağlık Bilimleri Enstitüsü Müdürlüğü Strateji Komisyonu, Member, 2024 - Continues, Turkey

Sağlık Bilimleri Üniversitesi Erzurum Tıp Fakültesi Bilimsel Araştırma Etik Kurulu, Member of Science Committee, 2023 - Continues, Turkey

## Scientific Refereeing

Nutrire, Other Indexed Journal, December 2024

CELL BIOCHEMISTRY AND BIOPHYSICS, Journal Indexed in SCI-E, December 2024

JOURNAL OF INFLAMMATION RESEARCH, Journal Indexed in SCI-E, December 2024

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Project Supported by Higher Education Institutions, BAP Research Project, Van Yüzüncü Yıl University, Turkey, July 2024  
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Project Supported by Higher Education Institutions, BAP Other, Van Yüzüncü Yıl University, Turkey, October 2022  
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CLINICAL AND EXPERIMENTAL PHARMACOLOGY AND PHYSIOLOGY, Journal Indexed in SCI-E, November 2020  
Journal of Experimental Pharmacology, Other Indexed Journal, July 2020  
Turkish Journal of Science , National Scientific Refreed Journal, March 2019

## Metrics

Publication: 160  
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H-Index (Scopus): 6

## Congress and Symposium Activities

7. PALANDÖKEN ANESTEZİ GÜNLERİ, Working Group, Erzurum, Turkey, 2023  
6<sup>t</sup> International Conference on Life and Engineering Sciences, Working Group, Antalya, Turkey, 2023