

# YASIN BAYIR

## PROF.

### International Researcher IDs

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Publons / Web Of Science ResearcherID: B-3645-2016

Yoksis Researcher ID: 34806

### Learning Knowledge

Doctorate 2004 - 2008	Ataturk University, Tıp Fakültesi, Temel Tıp Bilimleri, Turkey
Postgraduate 2002 - 2004	Ataturk University, Sağlık Bilimleri Enstitüsü, Eczacılık Biyokimya Anabilim Dalı Başkanlığı, Turkey
Undergraduate 1995 - 1999	Ataturk University, Fen Fakültesi, Kimya, Turkey

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Sıçanlarda isoprotrenol ile oluşturulan miyokard infarktüsü modelinde DNA hasarı ve oksidatif stres üzerine lasidipin, ramipril ve valsartan'ın etkilerinin incelenmesi, Atatürk Üniversitesi, Tıp Fakültesi, Biyokimya Ad, 2008

Postgraduate, Usnea longissima Ach. liken türünden izole edilen difraktaik asitin indometazin ülseri üzerine koruyucu etkisi ve in-vivo antioksidan özelliklerin araştırılması, Ataturk University, Sağlık Bilimleri Enstitüsü, 2004

### Academic Titles / Tasks

Professor 2018 - Continues	Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri
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### Supported Projects

- ER F., BAYIR Y., ERBAŞ E., ŞİMŞEK B. İ., ALBAYRAK A., Project Supported by Higher Education Institutions, Yüksek Fruktoz ile Metabolik Sendrom Oluşturulan Ratlarda Egzersiz ve Hippophae Rhamnoides Yabani İğde Uygulamasının Metabolik Sendrom Parametreleri ve Kalp Dokusu Üzerine Etkisi, 2023 - Continues
- Alak G., Atamanalp M., Albayrak A., Uçar A., Özakar E., Sevinç Özakar R., Parlak V., Bayır Y., Hancı H., TÜBİTAK - AB COST Project, AB-COST - Gökkuşluğu Alabalığı İşleme Atıklarından Hazırlanan Krem Formülasyonunun Yanık Yarası Modeli Oluşturulmuş Sıçanlarda Terapötik Etkilerinin Araştırılması, 2023 - 2026

3. ALAK G., ATAMANALP M., BAYIR Y., UÇAR A., PARLAK V., ÖZAKAR E., Project Supported by Higher Education Institutions, Su Ürünleri İşleme Atıklarının Terapötik Etkisi, 2023 - 2024
4. BAYIR Y., Project Supported by Higher Education Institutions, Fumaria officinalis bitkisinin hemoroid üzerine etkinliği, 2023 - 2024
5. Yurdgülu E. E., Bayir Y., TUBITAK Project, Hippophae rhamnoides Yağının Nanoemülsiyon Formülasyonlarının Gelistirilmesi, In-vitro Karakterizasyonu ve L929 Hücre Hattı Üzerine Etkilerinin Araştırılması, 2022 - 2023
6. GÜLER M. C., TANYELİ A., BAYIR Y., ÇOMAKLI S., Project Supported by Higher Education Institutions, Antioksidan ve Anti-inflamatuvar Etkili Bir Molekül Olan Costunolide'in ve CLP (Çekal Ligasyon ve Delme) ile indüklenen Sepsis Modeline Karşı Etkileri, 2022 - 2023
7. AKPINAR E., ÇADIRCI E., BAYIR Y., ŞENER E., HALICI H., Project Supported by Higher Education Institutions, ÜrotensinII ve ürotensin II reseptör agonist ve antagonistlerinin sıçanlarda isoproterenol ile oluşturulan kardiyotoksisitedeki rolü ve etkilerinin araştırılması, 2021 - 2023
8. Bayir Y., Hancı H., Yücelik Ş. S., Erkayman B., Albayrak A., Bilen H., Metin Ö., Sevim M., Selli J., TUBITAK Project, Sıçanlarda İkinci Derece Yanık İyileşmesinde Borik Asit ve Çinko Borat Katkılı Grafen Hidrojellerin Etkilerinin Araştırılması, 2020 - 2023
9. KARATAŞ E., YERLİ B., ATASEVER F., BAYIR Y., Project Supported by Higher Education Institutions, Düşük seviyeli lazer terapisinin periaipikal lezyonlardan nükleer faktör kappa B ligandı ve osteoprotegerin salınımı üzerine etkisi, 2021 - 2022
10. KOCA M., NİŞANCI B., BAYIR Y., ERCAN Z., ANIL B., Project Supported by Higher Education Institutions, SALİSİLİK ASİTİN OHİDROKSİL GRUBUNUN DEĞİŞİK ASİTLERLE OLUŞTURACAĞI YENİ ESTER TÜREVELERİNİN SENTEZİ VE BUNLARIN COX İNHİBİSYON AKTİVİTELERİNİN İNSİLİKO MOLEKÜLER MODELLEME VE İN VİTRO ÇALIŞMALARLA DEĞERLENDİRİLMESİ, 2020 - 2022
11. BAYIR Y., HALICI Z., ÇADIRCI E., AKPINAR E., PALABIYIK Ş. S., ÜN H., ALBAYRAK A., Project Supported by Higher Education Institutions, PDGF ile indüklenmiş akciğer kanseri (A549) hücre hattında PI3K/Akt/mTOR kaskadının Calcineurin/NFAT yolağı ile ilişkisi ve bu yolların inhibisyonlarının apoptoz üzerindeki etkileri, 2018 - 2020
12. Bayir Y., Albayrak A., Halıcı Z., Akpınar E., Other International Funding Programs, Polygonum carneum Ekstresinin Sıçanlarda İndometazin İle İndüklenen Ülser Modelinde Koruyucu Etkilerinin Araştırılması, 2018 - 2020
13. ALBAYRAK A., BAYIR Y., HALICI Z., Project Supported by Higher Education Institutions, CAPPARİS SPİNOSA EKSTRESİNİN SIÇANLARDA İNDOMETAZİN İLE İNDÜKLENEN ÜLSER MODELİNDE KORUYUCU ETKİLERİNİN ARAŞTIRILMASI, 2018 - 2020
14. SEZEN KARAOĞLAN E., BAYIR Y., ALBAYRAK A., Project Supported by Higher Education Institutions, Alchemilla caucasica Buser Türü Üzerinde Farmakognozik Araştırmalar ve Sıçanlarda İndometazin İle İndüklenen Ülser Modelinde Koruyucu Etkilerinin Araştırılması, 2018 - 2019
15. KADIOĞLU Y., POLAT B., ÖZBEK H., ATİLA A., SEZEN KARAOĞLAN E., YAMAN M. E., BAYIR Y., PALABIYIK Ş. S., BİLGİNER S., Project Supported by Higher Education Institutions, Eczacılık Fakültesi Bilimsel Araştırma Destek Projesi, 2018 - 2019
16. BAYIR Y., Project Supported by Higher Education Institutions, "BALMUMU, ZEYTİNYAĞI, TEREYAĞI KARIŞIMININ TEK BAŞINA VE/VEYA DEĞİŞİK ORANLARDAKİ ÇEŞİTLİ BOR ÜRÜNLERİYLE (BORİK ASİT, BORAKS, BOR NİTRÜR VB GİBİ) OLAN KOMBİNASYONU İLE HAZIRLANACAK TÜM FARMASÖTİK ŞEKİL VE MEDİKAL MALZEMELERİN YANIK, YARA VE İNFLAMATUVAR CİLT HASTALILARI ÜZERİNE ETKİSİ", 2015 - 2018
17. BAYIR Y., Project Supported by Higher Education Institutions, "RATLARDA İNDOMETAZİN İLE İNDÜKLENEN GASTRİK HASARA KARŞI TİMOKİNONUN ETKİLERİNİN ARAŞTIRILMASI", 2016 - 2017
18. BAYIR Y., Project Supported by Higher Education Institutions, "RATLARDA KARRAGENİN İLE İNDÜKLENEN PENÇE İNFLAMASYON MODELİNDE ALİSKİREN'İN ROLÜNÜN BELİRLENMESİ", 2014 - 2016
19. BAYIR Y., ÜN H., Project Supported by Higher Education Institutions, ZEYTİNYAĞI, TEREYAĞI VE BALMUMU KARIŞIMININ RATLARDA OLUŞTURULAN 2. DERECE YANIK MODELİNDE YARA İYİLEŞMESİNDEKİ TEDAVİ EDİCİ ETKİLERİNİN ARAŞTIRILMASI, 2014 - 2015
20. BAYIR Y., ÜN H., Project Supported by Higher Education Institutions, "ALİSKİRENİN SIÇAN OVERLERİNDE OLUŞTURULAN İSKEMİ REPERFÜZYON HASARINDAKİ ETKİSİNİN HİSTOPATOLOJİK VE BİYOKİMYASAL OLARAK ARAŞTIRILMASI, 2012 - 2013
21. BAYIR Y., Project Supported by Higher Education Institutions, NİGELLA SATİVA EKSTRESİNİN PARASETAMOLLE

INDÜKLENEN AKUT KARACİĞER TOKSİSİTESİ ÜZERİNE ETKİLERİNİN ARAŞTIRILMASI, 2012 - 2013

22. BAYIR Y., Project Supported by Higher Education Institutions, DENEYSEL OLARAK OLUŞTURULMUŞ ÜROLİTİYAZİS MODELİNDE BİR KALSİYUM KANAL BLOKERİ OLAN AMLODİPİNİN ETKİSİNİN ARAŞTIRILMASI, 2011 - 2012

## Jury Memberships

Appointment to Academic Staff-Assistant Professorship, Appointment Academic Staff, Ağrı İbrahim Çeçen Üniversitesi, November, 2021

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

- 1. Boric acid and zinc borate doped graphene hydrogels designed for burn treatment: In vitro viability-biocompatibility tests and microbiological analysis.**  
Bayir Y., ErKayman B., Albayrak A., Palabiyik-Yücelik Ş. S., Can S., Hanci H., Tunç F., Halici H., Civelek M. S., Sevim M., et al.  
Journal of biomaterials applications, 2024 (SCI-Expanded)
- 2. 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)
- 3. Evaluation of the protective effects of curcumin-rich turmeric (*Curcuma longa*) extract against isotretinoin-induced liver damage in rats**  
Nuriyeva N., Yurdgulu E. E., ALBAYRAK A., Aliyev H., Aliyeva K., ERKAYMAN B., BAYIR Y.  
TOXICOLOGY MECHANISMS AND METHODS, vol.34, no.2, pp.122-129, 2024 (SCI-Expanded)
- 4. Effects of Polygonum cognatum Meissn. extract on indomethacin induced gastric damage in rats**  
BAYIR Y., Tagiyeva N., ALBAYRAK A., Ismayilov A., AKPINAR E., TOKTAY E., SEZEN KARAOĞLAN E., Memmedova K., HALICI Z., Rustemova N.  
BIOTECHNIC & HISTOCHEMISTRY, vol.98, no.6, pp.424-431, 2023 (SCI-Expanded)
- 5. Synthesis of New Ester Derivatives of Salicylic Acid and Evaluation of Their COX Inhibitory Potential**  
KOCA M., ANIL B., NİŞANCI B., BAYIR Y., Ercan Z., oezakar E.  
CHEMISTRY & BIODIVERSITY, vol.20, no.1, 2023 (SCI-Expanded)
- 6. Macroporous Surgical Mesh from a Natural Cocoon Composite**  
Chen Y., Zang L., Koc-Bilican B., Bilican I., Holland C., CANSARAN DUMAN D., Karaduman T., Colak A., BAYIR Y., HALICI Z., et al.  
ACS SUSTAINABLE CHEMISTRY & ENGINEERING, vol.10, no.18, pp.5728-5738, 2022 (SCI-Expanded)
- 7. A new approach to sepsis treatment by rasagiline: a molecular, biochemical and histopathological study**  
Ün H., Uğan R. A., Köse D., Yayla M., Bal T., Bayır Y., Halıcı Z.  
MOLECULAR BIOLOGY REPORTS, vol.49, no.5, pp.3875-3883, 2022 (SCI-Expanded)
- 8. Oxyresveratrol modulates the immune response in vitro**  
Palabiyik-Yucelik Ş. S., Moser S., Becker K., HALICI Z., BAYIR Y., Stonig M., Schennach H., Fuchs D., Gostner J. M., Kurz K.  
PTERIDINES, vol.32, no.1, pp.70-78, 2021 (SCI-Expanded)
- 9. Efficacy of krill oil versus fish oil on obesity-related parameters and lipid gene expression in rats: randomized controlled study**  
Aydin Cil M., Ghareaghaji A. G., Bayır Y., Büyüktuncer Demirel Z., Besler H. T.  
PEERJ, vol.9, 2021 (SCI-Expanded)
- 10. Phloretin and phloridzin guard against cisplatin-induced nephrotoxicity in mice through inhibiting oxidative stress and inflammation**

Ün H., Uğan R. A., Gürbüz M. A., Bayır Y., Kahramanlar A., Kaya G., Çadırcı E., Halıcı Z.  
LIFE SCIENCES, vol.266, 2021 (SCI-Expanded)

11. **A novel effect of Aprepitant: Protection for cisplatin-induced nephrotoxicity and hepatotoxicity**  
Un H., Uğan R. A., Köse D., Bayır Y., Çadırcı E., Selli J., Halıcı Z.  
European Journal of Pharmacology, vol.880, 2020 (SCI-Expanded)
12. **Immune modulatory and antioxidant effects of locally administrated vitamin C in experimental periodontitis in rats**  
AYTEKİN Z., ARABACI T., Toraman A., BAYIR Y., ALBAYRAK M., ÜSTÜN K.  
Acta Odontologica Scandinavica, vol.78, no.6, pp.425-432, 2020 (SCI-Expanded)
13. **Effects of vitamin C local application on ligature-induced periodontitis in diabetic rats**  
Toraman A., ARABACI T., AYTEKİN Z., ALBAYRAK M., BAYIR Y.  
JOURNAL OF APPLIED ORAL SCIENCE, vol.28, 2020 (SCI-Expanded)
14. **Effect of Calcium Hydroxide Alone or in Combination with Ibuprofen and Ciprofloxacin on Nuclear Factor Kappa B Ligand and Osteoprotegerin Level in Periapical Lesions: A Randomized Controlled Clinical Study.**  
Uluköylü E., KARATAŞ E., ALBAYRAK M., BAYIR Y.  
Journal of endodontics, vol.45, no.12, pp.1489-1495, 2019 (SCI-Expanded)
15. **The effects of Beeswax, Olive oil and Butter impregnated bandage on burn wound healing**  
Bayır Y., Ün H., Uğan R. A., Akpınar E., Çadırcı E., Calık I., Halıcı Z.  
BURNS, vol.45, no.6, pp.1410-1417, 2019 (SCI-Expanded)
16. **Effect of intracanal medicaments on matrix metalloproteinase-9 and vasoactive intestinal peptide secretion in periapical lesions of re-treated canals: a randomized controlled clinical study**  
ÖZDEMİR M., KARATAŞ E., ALBAYRAK M., Bayır Y.  
Clinical Oral Investigations, vol.23, no.2, pp.921-928, 2019 (SCI-Expanded)
17. **Effects of Aliskiren, an RAAS inhibitor, on a carrageenan-induced pleurisy model of rats**  
BAYIR Y., Un H., ÇADIRCI E., AKPINAR E., Diyarbakir B., Calık I., HALICI Z.  
ANAIS DA ACADEMIA BRASILEIRA DE CIENCIAS, vol.91, no.1, 2019 (SCI-Expanded)
18. **The Effects Of FK506 With Akt Inhibitor On Pdgf Induced A549 Cell Proliferation**  
ÜN H., BAYIR Y., ÇADIRCI E., AKPINAR E., ALBAYRAK A., PALABIYIK Ş. S., HALICI Z.  
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.48, pp.74, 2018 (SCI-Expanded)
19. **Gastroprotective and antioxidant effects of Eremurus spectabilis Bieb. methanol extract and its isolated component isoorientin on indomethacin induced gastric ulcers in rats**  
Karaoglan E., ALBAYRAK A., KUTLU Z., BAYIR Y.  
ACTA CIRURGICA BRASILEIRA, vol.33, no.7, pp.609-618, 2018 (SCI-Expanded)
20. **Anti-proliferative and apoptotic effects of alone and combined treatment of FK506 with Akt inhibitor on PDGF-mediated prostate cancer cell proliferation**  
Un H., Halıcı Z., Cadirci E., Cinar I., Bayır Y.  
FEBS OPEN BIO, vol.8, pp.296, 2018 (SCI-Expanded)
21. **Gastroprotective and antioxidant effects of Eremurus spectabilis Bieb. methanol extract and its isolated component isoorientin on indomethacin induced gastric ulcers in rats**  
KARAOĞLAN E. S., Albayrak A., KUTLU Z., BAYIR Y.  
ACTA CIRURGICA BRASILEIRA, vol.33, no.7, pp.609-618, 2018 (SCI-Expanded)
22. **The effects of apomorphine on paracetamol-induced hepatotoxicity in rats**  
Şehitoğlu M. H., Yayla M., Kiraz A., Öztöpus R. Ö., BAYIR Y., Karaza T., Khalid S., AKPINAR E.  
CELLULAR AND MOLECULAR BIOLOGY, vol.63, no.12, pp.40-44, 2017 (SCI-Expanded)
23. **EFFECT OF P-COUMARIC ACID AGAINST OXIDATIVE STRESS INDUCED BY CISPLATIN IN BRAIN TISSUE OF RATS**  
Ekinci-Akdemir F. N., GÜLÇİN İ., GÜRSUL C., Alwasel S. H., BAYIR Y.  
JOURNAL OF ANIMAL AND PLANT SCIENCES, vol.27, no.5, pp.1560-1564, 2017 (SCI-Expanded)
24. **The effect of ferulic acid against myocardial damage induced by methotrexate**  
AKDEMİR F. N. E., Bayır Y.

- ACTA PHYSIOLOGICA, vol.221, pp.132, 2017 (SCI-Expanded)
25. **The role of p-Coumaric acid in methotrexate-induced neurotoxicity**  
AKDEMİR F. N. E., Bingoi C., Bayir Y., Gui M.  
ACTA PHYSIOLOGICA, vol.221, pp.134, 2017 (SCI-Expanded)
26. **Effects of oral zinc administration on long-term ipsilateral and contralateral testes damage after experimental testis ischaemia-reperfusion**  
Oral A., HALICI Z., BAYIR Y., TOPCU A., Un H., Bilgin A. O., Atmaca H. T.  
ANDROLOGIA, vol.49, no.6, 2017 (SCI-Expanded)
27. **The value of combined elevation of D-dimer and neopterin as a predictive parameter for early stage acute mesenteric ischemia: An experimental study**  
COSKUN A. K., Halici Z., Oral A., BAYIR Y., DENİZ F., CAYCI T., MENTES O., OZ B. S., HARLAK A., YIGIT T., et al.  
VASCULAR, vol.25, no.2, pp.163-169, 2017 (SCI-Expanded)
28. **Liver 5-HT7 receptors: A novel regulator target of fibrosis and inflammation-induced chronic liver injury in vivo and in vitro**  
Polat B., HALICI Z., ÇADIRCI E., Karakus E., BAYIR Y., ALBAYRAK A., Unal D.  
INTERNATIONAL IMMUNOPHARMACOLOGY, vol.43, pp.227-235, 2017 (SCI-Expanded)
29. **The effects of apomorphine on paracetamol-induced hepatotoxicity in rats**  
Şehitoğlu M. H., Yayla M., Kiraz A., Öztopuz R. Ö., BAYIR Y., Karaca T., Khalid S., AKPINAR E.  
CELLULAR AND MOLECULAR BIOLOGY, vol.63, no.12, pp.40-44, 2017 (SCI-Expanded)
30. **The protective effects of carvacrol and thymol against paracetamol-induced toxicity on human hepatocellular carcinoma cell lines (HepG2)**  
PALABIYIK Ş. S., KARAKUS E., HALICI Z., ÇADIRCI E., BAYIR Y., AYAZ G., CINAR I.  
HUMAN & EXPERIMENTAL TOXICOLOGY, vol.35, no.12, pp.1252-1263, 2016 (SCI-Expanded)
31. **Inhibiting renin angiotensin system in rate limiting step by aliskiren as a new approach for preventing indomethacin induced gastric ulcers**  
HALICI Z., Polat B., ÇADIRCI E., TOPCU A., Karakus E., KÖSE D., ALBAYRAK A., BAYIR Y.  
CHEMICO-BIOLOGICAL INTERACTIONS, vol.258, pp.266-275, 2016 (SCI-Expanded)
32. **Paracetamol-induced nephrotoxicity and oxidative stress in rats: the protective role of Nigella sativa.**  
CANAYAKIN D., BAYIR Y., BAYGUTALP N., KARAOGLAN E., Atmaca H. T., OZGERIS F. B. K., KELEŞ M. S., HALICI Z.  
Pharmaceutical biology, vol.54, no.10, pp.2082-91, 2016 (SCI-Expanded)
33. **Aliskiren - a promising strategy for ovarian ischemia/reperfusion injury protection in rats via RAAS.**  
BAYIR Y., ÇADIRCI E., Polat B., BAYGUTALP N., ALBAYRAK A., Karakus E., Un H., KELEŞ M. S., OZGERIS F. B. K., Toktay E., et al.  
Gynecological endocrinology : the official journal of the International Society of Gynecological Endocrinology, vol.32, no.8, pp.675-683, 2016 (SCI-Expanded)
34. **Blocking of urotensin receptors as new target for treatment of carrageenan induced inflammation in rats**  
ÇADIRCI E., HALICI Z., Yayla M., Toktay E., BAYIR Y., Karakus E., TOPÇU A., Buyuk B., ALBAYRAK A.  
PEPTIDES, vol.82, pp.35-43, 2016 (SCI-Expanded)
35. **Effects of amlodipine on ischaemia/reperfusion injury in the rat testis**  
DOGAN C., HALICI Z., TOPCU A., ÇADIRCI E., KARAKUS E., BAYIR Y., SELLİ J.  
ANDROLOGIA, vol.48, no.4, pp.441-452, 2016 (SCI-Expanded)
36. **The Role of RAAS Inhibition by Aliskiren on Paracetamol-Induced Hepatotoxicity Model in Rats**  
KARCIOGLU S. S., Palabiyik S. S., BAYIR Y., Karakus E., MERCANTEPE T., HALICI Z., ALBAYRAK A.  
JOURNAL OF CELLULAR BIOCHEMISTRY, vol.117, no.3, pp.638-646, 2016 (SCI-Expanded)
37. **Effects of Administration of Amlodipine and Lacidipine on Inflammation-Induced Bone Loss in the Ovariectomized Rat**  
Karakus E., HALICI Z., ALBAYRAK A., BAYIR Y., DEMİRCİ E., AYDIN A., Ozturk-Karagoz B., ÇADIRCI E., AYAN A. K., ŞAHİN A., et al.  
INFLAMMATION, vol.39, no.1, pp.336-346, 2016 (SCI-Expanded)

38. **The Role of Urotensin Receptors in the Paracetamol-Induced Hepatotoxicity Model in Mice: Ameliorative Potential of Urotensin II Antagonist**  
PALABIYIK Ş. S., Karakus E., AKPINAR E., HALICI Z., BAYIR Y., YAYLA M., KÖSE D.  
BASIC & CLINICAL PHARMACOLOGY & TOXICOLOGY, vol.118, no.2, pp.150-159, 2016 (SCI-Expanded)
39. **The Effects of RAAS Inhibition in Rate Limiting Step by Aliskiren on Testicular Torsion Injury in Rats**  
Un H., BAYIR Y., HALICI Z., AKPINAR E., Karakus E., Oral A., Ziypak T., SELLİ J.  
JOURNAL OF UROLOGY, vol.194, no.3, pp.828-833, 2015 (SCI-Expanded)
40. **Treatment with Carnitine Enhances Bone Fracture Healing under Osteoporotic and/or Inflammatory Conditions**  
AYDIN A., HALICI Z., ALBAYRAK A., Polat B., Karakus E., YILDIRIM Ö. S., BAYIR Y., ÇADIRCI E., Ayan A. K., AKSAKAL A. M.  
BASIC & CLINICAL PHARMACOLOGY & TOXICOLOGY, vol.117, no.3, pp.173-179, 2015 (SCI-Expanded)
41. **Renoprotective effect of aliskiren on renal ischemia/reperfusion injury in rats: electron microscopy and molecular study.**  
Ziypak T., HALICI Z., ALKAN E., AKPINAR E., Polat B., ADANUR Ş., ÇADIRCI E., FERAH I., BAYIR Y., Karakus E., et al.  
Renal failure, vol.37, no.2, pp.343-54, 2015 (SCI-Expanded)
42. **Boron containing poly-(lactide-co-glycolide) (PLGA) scaffolds for bone tissue engineering**  
Dogan A., Demirci S., BAYIR Y., HALICI Z., Karakus E., AYDIN A., ÇADIRCI E., ALBAYRAK A., DEMİRCİ E., KARAMAN A., et al.  
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.44, pp.246-253, 2014 (SCI-Expanded)
43. **Treatment with  $\alpha$ -lipoic acid enhances the bone healing after femoral fracture model of rats.**  
AYDIN A., HALICI Z., AKOZ A., KARAMAN A., FERAH I., BAYIR Y., AKSAKAL A. M., AKPINAR E., SELLİ J., KOVACI H.  
Naunyn-Schmiedeberg's archives of pharmacology, vol.387, no.11, pp.1025-36, 2014 (SCI-Expanded)
44. **What is the role of renin inhibition during rat septic conditions: preventive effect of aliskiren on sepsis-induced lung injury**  
AKPINAR E., HALICI Z., ÇADIRCI E., BAYIR Y., Karakus E., Calik M., TOPCU A., Polat B.  
NAUNYN-SCHMIEDEBERGS ARCHIVES OF PHARMACOLOGY, vol.387, no.10, pp.969-978, 2014 (SCI-Expanded)
45. **Insecticidal Metabolites from the Rhizomes of Veratrum album against Adults of Colorado Potato Beetle, Leptinotarsa decemlineata**  
Aydin T., Cakir A., Kazaz C., Bayrak N., Bayir Y., Taşkesenligil Y.  
CHEMISTRY & BIODIVERSITY, vol.11, no.8, pp.1192-1204, 2014 (SCI-Expanded)
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International Symposium on Drug Research and Development, Antalya, Turkey, 17 - 19 May 2007
79. **Effects of methanol extract of Lobaria pulmonaria on glutathione s transferase activity and gastric damages in rats**  
ODABAŞOĞLU F., KARAKUŞ B., BAYIR Y., SÜLEYMAN H., YÜCEL O., ASLAN A., ÇAKIR A., HALICI M. B.  
XIXth International Symposium on Medicinal Chemistry, İstanbul, Turkey, 29 August - 02 September 2006
80. **The effects of olive oil and usnic acid on glutathione and lipid peroxidation levels in gastric damaged tissues induced by indomethacine in rats**  
ODABAŞOĞLU F., HALICI M. B., SÜLEYMAN H., ASLAN A., BAYIR Y., ÇAKIR A.  
XIXth International Symposium on Medicinal Chemistry, İstanbul, Turkey, 29 August - 02 September 2006
81. **The effects of diffractaic acid and olive oil on lipid peroxidation and glutathione levels in indomethacine induced rat tissues**  
ODABAŞOĞLU F., ÇAKIR A., BAYIR Y., SÜLEYMAN H., ASLAN A., YÜCEL O., ÇALIK Z., KARAKUŞ B.  
6th International Symposium on Chemistry of Natural Compounds (SCNC), Ankara, Turkey, 28 - 30 June 2005
82. **Usnik Asit ve Difraktaik Asitin Titanyum Alaşımli İmplantların Konak Dokulardaki Kaspaz Enzim Aktiviteleri Üzerine Etkilerinin Araştırılması**  
ODABAŞOĞLU F., YILDIRIM Ö. S., BAYIR Y., HALICI Z., OKUMUŞ Z., AKSAKAL B., ASLAN A., ÇAKIR A., HALICI M. B.,

SÜLEYMAN H., et al.

2. Ulusal Afinite Teknikleri Kongresi, Turkey, 7 - 10 June 2006

83. **Usnik asit ve difraktaik asidin titanyum alaşımlı implantların konak dokulardaki kaspaz enzim aktiviteleri üzerine etkilerinin araştırılması**  
KAZAZ C., ÇAKIR A., ODABAŞOĞLU F., HALICI Z., ASLAN A., HALICI M. B., BAYIR Y.  
II. Ulusal Afinite Teknikleri Kongresi, Zonguldak, Turkey, 7 - 10 June 2006
84. **Ratlarda İndometazin ile uyarılan Ülser Modelinde Lipid Peroksidasyonu ve Glutasyon Seviyeleri Üzerine Difraktaik Asitin Etkisi**  
ODABAŞOĞLU F., ASLAN A., ÇAKIR A., SÜLEYMAN H., ÇALIK Z. Z., BAYIR Y., HALICI M. B., KAZAZ C., KARAKUŞ B.  
19. Ulusal Kimya Kongresi, Turkey, 30 September - 04 October 2005
85. **An Investigation on the Antioxidant Activity Phenolic Content and Reducing Power of Some Lichen Species**  
ODABAŞOĞLU F., ASLAN A., ÇAKIR A., SÜLEYMAN H., KARAGÖZ Y., BAYIR Y., HALICI M. B.  
19. Ulusal Biyokimya Kongresi, Turkey, 22 - 25 April 2005
86. **The effects of diffractaic acid on some antioxidant enzymes activities in indomethacine-induced ulcer in rats**  
BAYIR Y., ODABAŞOĞLU F., ÇAKIR A., HALICI M. B., SÜLEYMAN H., ASLAN A., KAZAZ C., YÜCEL O.  
2th International Meeting on Medicinal and Pharmaceutical Chemistry, 10 - 14 October 2004
87. **The Effects Of Usnic acid on some enzymes activities in indomethacine-induced ulcer in Rats.**  
ODABAŞOĞLU F., SÜLEYMAN H., ASLAN A., HALICI M. B., ÇAKIR A., KAZAZ C., BAYIR Y.  
2TH International Meeting on Medicinal and Pharmaceutical Chemistry, 10 - 14 October 2004
88. **The effects of olive oil, usnic acid and diffractaic acid on both indomethacine-induced ulcer and some antioxidant enzymes activities in rats**  
ODABAŞOĞLU F., HALICI M. B., SÜLEYMAN H., ASLAN A., BAYIR Y., ÇAKIR A., KAZAZ C.  
19th European Workshop on Drug Metabolism (DMW-2004), 3 - 08 October 2004
89. **Investigation of Antioxidant and Antimicrobial Properties of Three Lichen Species Growing in Turkey**  
ODABAŞOĞLU F., GÜLLÜCE M., ÇAKIR A., ASLAN A., BAYIR Y., HALICI M. B., YAZICI K.  
19th European Workshop on Drug Metabolism, Antalya, Turkey, 3 - 08 October 2004, pp.1
90. **The effects of olive oil, usnic acid and diffractaic acid on activities of some enzymes and the indomethacine induced ulcer in rats.**  
ODABAŞOĞLU F., ASLAN A., BAYIR Y., SÜLEYMAN H., HALICI M. B., ÇAKIR A., KAZAZ C., YÜCEL O.  
The 4th International Postgraduate Research Symposium on Pharmaceutics. Acta Pharmaceutica Turcica, 20 - 22 September 2004
91. **Antiinflammatory and Antiulcerogenic Effects of the Aqueous Extract of Lobaria Pulmonaria L Hoffm**  
ODABAŞOĞLU F., SÜLEYMAN H., ASLAN A., ÇAKIR A., KARAGÖZ Y., GÖÇER F., BAYIR Y., HALICI M. B.  
18. Ulusal Biyokimya Kongresi, Turkey, 15 - 19 May 2004
92. **Comparison of Antioxidant Activity and Phenolic Content of Three Lichen Species**  
ODABAŞOĞLU F., ÇAKIR A., ASLAN A., SÜLEYMAN H., KARAGÖZ Y., BAYIR Y., HALICI M. B., İNÖNÜ İ.  
18. Ulusal Biyokimya Kongresi, Turkey, 15 - 19 May 2004
93. **An investigation on the effects of water extract of Usnea longissima on the antiulcerogenic and some antioxidant enzymes activities on the model of indomethacine induced ulcer in rats**  
HALICI M. B., ODABAŞOĞLU F., SÜLEYMAN H., ASLAN A., ÇAKIR A., GÖÇER F., YÜCEL O., BAYIR Y.  
13th Balkan Biochemical Biophysical Days&Meeting on Metabolic Disorders, Aydın, Turkey, 12 - 16 October 2003
94. **The antiulcerogenic effect of usnic acid isolated from Usnea longissima on indomethacine induced gastric ulcer in rats**  
Odabaşoğlu F., Süleyman H., Çakır A., Aslan A., Bayır Y., Halıcı M. B., Yücel O., Kazaz C., Demirceylan E.  
13th Balkan Biochemical Biophysical Days&Meeting on Metabolic Disorders, Aydın, Turkey, 12 - 15 October 2003

## Academic and Administrative Experience

2022 - Continues	<b>Strateji Geliştirme Komisyonu</b>	Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri
2022 - Continues	<b>Dijitalleşme Komisyonu</b>	Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri
2022 - Continues	<b>kriter komisyonu</b>	Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri
2015 - Continues	<b>Kriter komisyonu</b>	Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri
2015 - Continues	<b>Faculty Management Board Member</b>	Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri
2015 - 2024	<b>Faculty Board Member</b>	Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri
2020 - 2022	<b>University Academic Incentive Evaluation Commission Member</b>	Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri
2019 - 2021	<b>Erasmus Program Institutional Coordinator</b>	Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri
2018 - 2021	<b>Institute Board Member</b>	Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri
2018 - 2021	<b>Assistant Director of the Institute</b>	Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri
2016 - 2021	<b>Ethics Committee Member</b>	Ataturk University, Eczacılık Fakültesi, Temel Eczacılık Bilimleri

## Courses

Biyokimya I, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Klinik Biyokimya , Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Biyokimya Laboratuvar Teknikleri, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Akademik Bilgisayar Becerileri ve Referans Yazılım Programı, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Araştırma Projesi Dersi II, Undergraduate, 2023 - 2024, 2022 - 2023, 2020 - 2021

Bilimsel Projelerde Bilgisayar Bilgileri, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

İnsan Biyokimyası I, Doctorate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

İnsan Biyokimya II , Doctorate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Eczacılıkta Bilgisayar Uygulamaları, Undergraduate, 2023 - 2024, 2022 - 2023, 2020 - 2021

Biyokimya Laboratuvarı, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Bilgisayar, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Biyokimya II, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Literatür Tarama Teknikleri, Undergraduate, 2023 - 2024

SEÇ-5, Undergraduate, 2022 - 2023, 2021 - 2022

Araştırma Projesi Dersi I, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Vücudumuzda Oksidatif Stres, Undergraduate, 2023 - 2024

Genel Biyokimya II, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021

Akademik Eczacığa Yönelme, Undergraduate, 2023 - 2024

Klinikte Doku Fonksiyonlarını Gösteren Testler, Postgraduate, 2020 - 2021

## Patent

Halıcı Z., Bayır Y., GÜVE KOKONUNUN ORİJİNAL YAPISI KORUNARAK BİYUYUMLULUĞU YÜKSEK CERRAHİ AĞ ÜRETİMİ VE KULLANIM ALANLARI, Patent, CHAPTER A Human Needs, The Invention Recourse Number: 2021/001978 , Standard Registration, 2021

Halıcı Z., Albayrak A., Çadırcı E., Bayır Y., Aydın A., ErKayman B., Bakan F., Şahin F., Ay N., Bor madeni (Bor nitrür) ve bor madeni ile üretilen tüm maddelerin tek başlarına veya hidroksiapatit ile kombinasyonlarının kemik kırık iyileşmesinde ve biyomalzemelerin kaplanmasında kullanımı, Patent, CHAPTER A Human Needs, The Invention Registration Number: PT2012-01239 , Standard Registration, 2015

Halıcı Z., Albayrak A., Atamanalp S. S., Çadırcı E., ErKayman B., Bayır Y., 5-HT7 reseptörü agonist ve antagonistlerinin sepsis, inflamatuvar hastalıklar ve bunlara bağlı organ hasarı ile ilaç ve kimyasal madde hasarına bağlı oluşan organ hasarlarında klinik ve deneysel olarak kullanımı, Patent, CHAPTER A Human Needs, The Invention Registration Number: PT2012-00749 , Standard Registration, 2012

## Memberships / Tasks in Scientific Organizations

Kimyagerler derneği, Member, 2010 - Continues, Turkey

Biyokimya kongresi, Member, 2007 - Continues, Turkey

## Scientific Refereeing

Project Supported by Higher Education Institutions, BAP Research Project, Ataturk University, Turkey, September 2021

TUBITAK Project, 1002 - Quick Support Program, Ataturk University, Turkey, April 2021

## Metrics

Publication: 207

Citation (WoS): 2333

Citation (Scopus): 2537

H-Index (WoS): 28

H-Index (Scopus): 29

## Congress and Symposium Activities

32. Ulusal Biyokimya Kongresi, Session Moderator, Gaziantep, Turkey, 2021

32. Ulusal Biyokimya Kongresi, Attendee, Gaziantep, Turkey, 2021

Orpheus Danışmanlık çalıştayı, Audience, Erzurum, Turkey, 2021

Uluslararası biyokimya Kongresi, Attendee, Muğla, Turkey, 2018

## Research Areas

Health Sciences, Pharmacology and Therapeutics, Basic Pharmaceutics Sciences, Biochemistry

## Representation and Promotion Activities

Institutional Promotion, Azerbaycan Tıp Üniversitesi (Bakü), Azerbayjan, Baku, 2022 - 2022

Institutional Promotion, Azerbaycanda üniversitemizin tanıtımı (Hazar Üniv.), Azerbayjan, Baku, 2022 - 2022

Institutional Promotion, Azerbaycanda üniversitemizin tanıtımı (Nahçıvan), Azerbayjan, Baku, 2022 - 2022

Institutional Promotion, Azerbaycanda üniversitemizin tanıtımı (Gence), Azerbayjan, Ganca, 2022 - 2022

Institutional Representation, Yükseköğretim Kalite Kurulu (YÖKAK), Turkey, Erzurum, 2020 - 2020

## Non Academic Experience

Atatürk Üniversitesi Eczacılık Fakültesi Biyokimya A.D.

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Atatürk Üniversitesi Eczacılık Fakültesi Biyokimya A.D.

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