

# ÖZGE ÜLKER

## ARAŞTIRMA GÖREVLİSİ

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### Öğrenim Durumu

Doktora 2004-2010	<b>ANKARA ÜNİVERSİTESİ</b> ECZACILIK FAKÜLTESİ/ECZACILIK MESLEK BİLİMLERİ BÖLÜMÜ/FARMASOTİK TOKSİKOLOJİ ANABİLİM DALI Tez adı: Kimyasalların radyoaktif olmayan lokal lenf düğümü yöntemi ile rölatif temas alerjisi potansiyelinin araştırılması ve yama testi sonuçları ile karşılaştırılması (2010) Tez Danışmanı: (MAHBUBE ASUMAN KARAKAYA)
Yüksek Lisans 2001-2004	<b>ANKARA ÜNİVERSİTESİ</b> ECZACILIK FAKÜLTESİ/ECZACILIK MESLEK BİLİMLERİ BÖLÜMÜ/FARMASOTİK TOKSİKOLOJİ ANABİLİM DALI Tez adı: Bazı pro-enflamatuar sitokinlerin ve antioksidan enzimlerin kömür işçileri pnömokonyozunun gelişiminde ve klinik şiddetindeki rolü (2004) Tez Danışmanı:(MAHBUBE ASUMAN KARAKAYA)
Lisans 1997-2001	<b>ANKARA ÜNİVERSİTESİ</b> ECZACILIK FAKÜLTESİ

### Görevler

ARAŞTIRMA GÖREVLİSİ 2002	<b>ANKARA ÜNİVERSİTESİ/ECZACILIK FAKÜLTESİ/ECZACILIK MESLEK BİLİMLERİ BÖLÜMÜ/FARMASOTİK TOKSİKOLOJİ ANABİLİM DALI)</b>
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### Projelerde Yaptığı Görevler:

1. Sitokinlerin ve sitokin genlerindeki polimorfizmlerin kömür işçileri pnömokonyozunun gelişiminde ve klinik şiddetindeki rolü, BAP, Araştırmacı, , null (Devam Ediyor) (ULUSAL)
2. Kozmetik formülasyonlarında kullanılan TiO2 katı nanopartiküllerinin insan sağlığı için güvenliğinin in vitro testlerle araştırılması, TÜBİTAK PROJESİ, Araştırmacı, , null (Devam Ediyor) (ULUSAL)
3. Kimyasalların Radyoaktif Olmayan Lokal Lenf Düğümü Yöntemi ile Rölatif Temas Alerjisi Potansiyelinin Araştırılması ve Yama Testi Sonuçları ile Karşılaştırılması, TÜBİTAK PROJESİ, Bursiyer, , null (Devam Ediyor) (ULUSAL)
4. Türkiye'nin Çeşitli Bölgelerinden Toplanan İnsan İdrar Örneklerinde Oktratoksin A (OTA) Düzeylerinin Immunoaffinite Kolon - Yüksek Performanslı Sıvı Kromatografisi (HPLC) İle Araştırılması, TÜBİTAK PROJESİ, Araştırmacı, , null (Devam Ediyor) (ULUSAL)
5. Borik asitin antioksidan aktivitesinin in vitro olarak hücre kültürlerinde araştırılması, BAP, Yönetici, , null (Devam Ediyor) (ULUSAL)

### Eserler

## Uluslararası hakemli dergilerde yayımlanan makaleler:

1. YILMAZ SEZEN,ÜSTÜNDAĞ AYLİN,ÜLKER ÖZGE,DUYDU YALÇIN (2016). Protective effect of boric acid on oxidative DNA damage in chinese hamster lung fibroblast V79 cell lines. *Cell Journal*, 17 (4) (Yayın No: 1423986)
2. CHAREHSAZ MOHAMMAD,SİPAHİ HANDE,CELEP MEHMET ENGİN,ÜSTÜNDAĞ AYLİN,ÜLKER ÖZGE, DUYDU YALÇIN,AYDIN AHMET,YEŞİLADA ERDEM (2015). The fruit extract of *Berberis crataegina* DC. exerts potent antioxidant activity and protects DNA integrity. *DARU Journal of Pharmaceutical Sciences*, 23(1), 24-34., Doi: 10.1186/s40199-015-0108-7 (Yayın No: 1423942)
3. ARANCIOĞLU SEREN,ÜLKER ÖZGE,KARAKAYA MAHBUBE ASUMAN (2015). Utilization of ex vivo LLNA:BrdU-ELISA to distinguish the sensitizers from irritants in respect of 3 endpoints-lymphocyte proliferation, ear swelling and cytokine profiles. *International Journal of Toxicology*, 34(1), 24-30., Doi: 10.1177/1091581814560613 (Yayın No: 1423826)
4. ÜLKER ÖZGE,KAYMAK YEŞİM,KARAKAYA MAHBUBE ASUMAN (2014). Investigation of allergenicity of some cosmetic mixtures by using ex vivo local lymph node assay-BrdU endpoints. *International Archives of Allergy and Immunology*, 164(4), 301-307., Doi: 10.1159/000366102 (Yayın No: 1423786)
5. ÜLKER ÖZGE,KAYMAK YEŞİM,KARAKAYA MAHBUBE ASUMAN (2014). Allergenicity evaluation of fragrance mix and its ingredients by using ex vivo local lymph node assay-BrdU endpoints. *Food and Chemical Toxicology*, 65, 162-167., Doi: 10.1016/j.fct.2013.12.036 (Yayın No: 1405601)
6. ÜLKER ÖZGE,ATEŞ İLKER,ATAK YÜCEL AYŞEGÜL,KARAKAYA MAHBUBE ASUMAN (2013). Evaluation of non-radioactive endpoints of ex vivo local lymph node assay-BrdU to investigate select contact sensitizers. *Journal of Immunotoxicology*, 10(1), 1-8., Doi: 10.3109/1547691X.2012.684157 (Yayın No: 1423701)
7. ÜLKER ÖZGE,ATEŞ İLKER,ATAK YÜCEL AYŞEGÜL,KARAKAYA MAHBUBE ASUMAN (2011). Evaluation of auricular lymph node cell lymphocyte proliferation and cytokine production as non-radioactive endpoints during murine contact allergy. *Journal of Immunotoxicology*, 8(2), 131-139., Doi: 10.3109/1547691X.2010.547996 (Yayın No: 1405700)
8. ATEŞ İLKER,ÜLKER ÖZGE,AKDEMİR ÇİĞDEM,KARAKAYA MAHBUBE ASUMAN (2011). Correlation of Ochratoxin A Exposure to Urinary Levels of 8-Hydroxydeoxyguanosine and Malondialdehyde in a Turkish Population. *Bulletin of Environmental Contamination and Toxicology*, 86(3), 258-262., Doi: 10.1007/s00128-011-0225-z (Yayın No: 1405750)
9. AKDEMİR ÇİĞDEM,ÜLKER ÖZGE,BAŞARAN ALAATTİN,ÖZKAYA ŞENNUR,KARAKAYA MAHBUBE ASUMAN (2010). Estimation of ochratoxin A in some Turkish population as a simple, sensitive and reliable biomarker. *Food and Chemical Toxicology*, 48(3), 877-882., Doi: 10.1016/j.fct.2009.12.026 (Yayın No: 1423674)
10. ÜLKER ÖZGE,YÜCESOY BERRAN,DEMİR ÖZGÜR,TEKİN İŞHAK ÖZEL,KARAKAYA MAHBUBE ASUMAN (2008). Serum and BAL cytokine and antioxidant enzyme levels at different stages of pneumoconiosis in coal workers. *Human & Experimental Toxicology*, 27(12), 871-877., Doi: 10.1177/0960327108098332 (Yayın No: 1406052)
11. ÜLKER ÖZGE,ÜSTÜNDAĞ AYLİN,DUYDU YALÇIN,KARAKAYA MAHBUBE ASUMAN (2008). Cytogenetic monitoring of coal workers and patients with coal workers' pneumoconiosis in Turkey. *Environmental and Molecular Mutagenesis*, 49(3), 232-237., Doi: 10.1002/em.20377 (Yayın No: 1459659)
12. ÜLKER ÖZGE,BERRAN YÜCESOY,DURUCU MURAT,KARAKAYA MAHBUBE ASUMAN (2007). Neopterin as a marker for immune system activation in coal workers' pneumoconiosis. *Toxicology and Industrial Health*, 23(3), 155-160., Doi: 10.1177/0748233707083527 (Yayın No: 1405967)

## B. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitaplarında (proceedings) basılan bildiriler :

1. YILMAZ SEZEN,ÜSTÜNDAĞ AYLİN,ÜLKER ÖZGE,DUYDU YALÇIN Investigation of antioxidant activity of boric acid in V79 cell cultures. 50th Congress of the European Societies of Toxicology (Poster)(Yayın No:1424325)
2. Karakaya A., Ulker OC., Ates I. The murine local lymph node assay with non-radioactive alternative endpoints". The 48th Annual Meeting of the Society of Toxicology, (Poster)(Yayın No: 627696)
3. KARAKAYA MAHBUBE ASUMAN,ÜLKER ÖZGE,YEŞİM KAYMAK Comparative investigation of contact sensitization potency of fragrance mix ingredients by using ex vivo LLNA-BrdU. The 8th International Congress of Toxicology (Poster)(Yayın No:1424237)
4. Ulker OC, Ates I, Karakaya A The murine local lymph node assay with nonradioactive alternative endpoints. The 9th International Symposium on Pharmaceutical Sciences (ISOPS-9) (Poster) (Yayın No:628164)

5. Ulker OC, Karakaya A Evaluation of alternative endpoints for non-radioactive local lymph node assay by using two strong sensitizers. The 46th Congress of the European Societies of Toxicology (Poster)(Yayın No:628275)
6. Ulker CO, Yucesoy B, Tekin OI, Karakaya A Neopterin as a marker for immune system activation in coal miners pneumoconiosis. 8th International Symposium on Pharmaceutical Sciences (ISOPS-8), (Poster)(Yayın No:626129)
7. Karakaya A., Ulker OC., Yucesoy B, Demir O, Tekin IO Relationship of inflammatory cytokines with disease severity in CWP patients. The 45th Congress of the European Societies of Toxicology (Poster)(Yayın No:627582)
8. Karakaya A, Akdemir C, Ulker OC, Başaran A, Ozkaya S Estimation of ochratoxin A in some Turkish population: An analysis in urine as a simple, sensitive and reliable biomarker. 7th Congress of Toxicology in Developing Countries (CTDC) (Poster)(Yayın No:628459)
9. Karakaya A, Ulker OC Evaluation of cytokine production in auricular lymph nodes as an alternative endpoint during murine contact allergy. The 47th Congress of the European Societies of Toxicology, XII International Congress of Toxicology (Poster)(Yayın No:628576)
10. Karakaya A, Ulker OC, Ateş I, Atak A Evaluation of the non-radioactive endpoints of LLNA by applying moderate and weak sensitizers. The 50th Annual Meeting of the Society of Toxicology (Poster)(Yayın No:628794)
11. Ulker OC, Ates I, Atak A, Karakaya A Investigation of sensitizing potency of some cosmetic mixtures. The 48th Congress of European Societies of Toxicology (Poster)(Yayın No:629018)
12. Ulker OC, Ates I, Atak A, Karakaya A Investigation of the utility of the non-radioactive endpoints of ex vivo LLNA-BrdU method by using some cosmetic mixtures. The 10th International Symposium on Pharmaceutical Sciences (ISOPS-10) (Poster)(Yayın No:629200)
13. Ulker OC, Ustundag A, Duydu Y, Yucesoy B, Karakaya SCE and MN frequencies in coal workers and coal workers'pneumoconiosis patients. 5th International Congress on Environmental Mutagens in Human Populations, (Poster)(Yayın No:626774)
14. Karakaya A, Ulker OC, Ates I, Atak A Evaluation of contact sensitizing potential of fragrance mix and balsam of peru by using the ex vivo LLNA-BrdU method. The 8th Congresses on Toxicology in Developing Countries (8th CTDC) (Poster)(Yayın No:629295)
15. Ulker O C., Yucesoy B., Demir O, Karakaya A Serum and BALF cytokine levels at different stages of pneumoconiosis in coal workers. 6th International Congress of Turkish Society of Toxicology (Poster)(Yayın No:626483)
16. Ulker OC, Yucesoy B, Demir O, Tekin IO Serum and BAL antioxidant enzyme levels as markers of effect in CWP patients. The 3th Euro-Asian Conference on Hazardous Waste & Human Health (Poster)(Yayın No:626938)
17. Karakaya A., Ulker OC., Yucesoy B, Durucu M Neopterin: A novel marker for immune activation in patients with CWP. 6th International Congress of Turkish Society of Toxicology, (Poster)(Yayın No:626661)
18. Karakaya A, Akdemir C, Basaran A, Ulker OC, Ozkaya S Estimation of ochratoxin A in Turkish population: An analysis in urine as a simple, sensitive and reliable biomarker. 47th Annual Meeting of the Society of Toxicology (Poster)(Yayın No:627178)
19. Karakaya A., Ulker OC, Yucesoy B, Demir O, Tekin IO, Serum and BAL cytokine levels as markers at different stages in CWP patients. The 3th Euro-Asian Conference on Hazardous Waste & Human Health, March 27-30, 2008, Istanbul, Turkey. (Poster)(Yayın No:627279)
20. Ulker OC, Yucesoy B, Demir O, Tekin IO, Karakaya A Evaluation of antioxidant enzyme levels as biological markers at different stages of pneumoconiosis in coal workers". The 45th Congress of the European Societies of Toxicology (Poster)(Yayın No:627442)
21. Ulker OC, Ustundag A, Duydu Y, Yucesoy B, Karakaya A, Possible genotoxic risk in coal workers' pneumoconiosis. 43rd Congress of the European Societies of Toxicology (EUROTOX), 6th Congress of Toxicology in Developing Countries (Sözlü Bildiri)(Yayın No:626309)
22. ÜSTÜNDAĞ AYLİN,ÜLKER ÖZGE,YALÇIN CAN ÖZGÜR,DUYDU YALÇIN,KARAKAYA MAHBUBE ASUMAN (2015). Comparison of TiO2 nanoparticles genotoxicity in two different cell lines by using Comet Assay. 9th Congress of Toxicology in Developing Countries (CTDC) (Poster)(Yayın No: 1715119)
23. ÜLKER ÖZGE,ÜSTÜNDAĞ AYLİN,Erim Teker,DUYDU YALÇIN,KARAKAYA MAHBUBE ASUMAN (2015). Investigation of the genotoxic effects of TiO2 nanoparticles by using Ames test. 9th Congress of the Turkish Society of Toxicology with the participation of the Hellenic Society of Toxicology (Poster)(Yayın No:1978375)
24. KARAKAYA MAHBUBE ASUMAN,ÜLKER ÖZGE,ÜSTÜNDAĞ AYLİN,YALÇIN CAN ÖZGÜR,DUYDU YALÇIN (2015). Comparison of TiO2 nanoparticles genotoxicity in two different cell lines by using Comet Assay. 9th Congress of the Turkish Society of Toxicology with the participation of the Hellenic Society of Toxicology (Poster)(Yayın No:1978620)

25. ÜLKER ÖZGE, Seren Arancioğlu, KARAKAYA MAHBUBE ASUMAN (2015). Cytokine profiles of lymph node cell cultures of irritant and allergen exposed mice groups. 11th International Symposium on Pharmaceutical Sciences (Özet bildiri)(Yayın No:1714809)
26. YALÇIN CAN ÖZGÜR, ÜSTÜNDAĞ AYLİN, ÜLKER ÖZGE, DUYDU YALÇIN, KARAKAYA MAHBUBE ASUMAN (2015). Investigation of the TiO<sub>2</sub> solid nanoparticles safety for human health by using in vitro tests. 11th International Symposium on Pharmaceutical Sciences (Poster)(Yayın No: 1714120)

#### D. Ulusal hakemli dergilerde yayımlanan makaleler :

1. Seren Arancioğlu, ÜLKER ÖZGE, KARAKAYA MAHBUBE ASUMAN (2015). İrritan Temas Dermatiti ve Allerjik Temas Dermatiti: Mekanizma, Klinik Sonuçlar ve Test Yöntemleri Bakımından Kıyaslanması. Türkiye Klinikleri J Pharm Sci, 4(2), 43-49. (Kontrol No: 1714689)
2. ÜLKER ÖZGE, YÜCESOY BERRAN (2003). Kronik akciğer hastalıkları ve sitokinler. Sendrom, 15 (10), 95-101. (Kontrol No: 1424045)

#### E. Ulusal bilimsel toplantılarda sunulan ve bildiri kitaplarında basılan bildiriler:

1. Ulker OC, Karakaya A, Ates I Investigation of allergy and irritancy potency of DNCB and paraphenylenediamine bu using nonradioactive LLNA. 7th Congress of the Turkish Society of Toxicology with International Participation,, (Yayın No:627797)
2. Ulker O, Kaymak Y, Karakaya A Investigation of contact sensitization potency of fragrance mix and fragrance mix ingredients by using ex vivo nonradioactive local lymph node assay. 8th Congress of the Turkish Society of Toxicology with International Participation, (Yayın No:629428)
3. ÜLKER ÖZGE, KARAKAYA MAHBUBE ASUMAN, ATEŞ İLKER Fragrans karışımı ve peru balsamının temas allerjik kontakt dermatit oluşturma potansiyellerinin ex vivo LLNA-BrdU yöntemi ile araştırılması. Türk Toksikoloji Derneği II. Bölgesel Toksikoloji Sempozyumu, (Yayın No:1425522)
4. Karakaya A, Ulker O, Ates I, Atak A Investigation of the dermal sensitization potential of cosmetic materials by using the ex vivo local lymph node assay-BrdU. 8th Congress of the Turkish Society of Toxicology with International Participation,, (Yayın No:629548)
5. Akdemir C., Ulker OC, Basaran A., Ozkaya S, Karakaya A, Estimating ochratoxin A levels in urinary in Turkish population as a sensitive biomarker. 7th Congress of the Turkish Society of Toxicology with International Participation, (Yayın No:628047)

#### Üniversite Dışı Deneyim

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2014-2015	Misafir Araştırmacı	Johns Hopkins University Bloomberg School of Public Health, (Yurtdışı Üniversite)
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#### Araştırma

1. Doktora Sonrası Araştırma, TÜBİTAK destekli doktora sonrası araştırma kapsamında, bazı kimyasal maddelerin gelişimsel nörotoksik etkileri, 3 boyutlu mini beyin modellerinde incelenmiştir., Johns Hopkins University, Bloomberg School of Public Health, Center for Alternatives to Animal Testing, Baltimore, Maryland, ABD, Araştırma, 22.05.2014 -22.01.2015 (Uluslararası)