

Assoc. Prof. MERVE BACANLI

Personal Information

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Education Information

Doctorate, Hacettepe University, Sağlık Bilimleri Enstitüsü, Farmasötik Toksikoloji, Turkey 2010 - 2014

Masters (Non-Thesis), Hacettepe University, Sağlık Bilimleri Enstitüsü, Eczacılık İşletmeciliği, Turkey 2009 - 2010

Undergraduate, Hacettepe University, Eczacılık Fakültesi, Turkey 2004 - 2008

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Bitkisel Kaynaklı Fenolik Yapıdaki Bileşiklerin Olası Sítotoksik ve Genotoksik Etkilerinin Deęerlendirilmesi, Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2014

Research Areas

Health Sciences, Pharmacology and Therapeutics, Professional Sciences, Pharmaceutical Toxicology

Academic Titles / Tasks

Research Assistant, Hacettepe University, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2010 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Comparative evaluation of the effects of bisphenol derivatives on oxidative stress parameters in HepG2 cells**
Ozyurt B., ÖZKEMAHLI K. G., Yirun A., BALCI ÖZYURT A., Bacanli M., BAŞARAN A. N., Kocer-Gumusel B., ERKEKOĞLU Ü. P.
DRUG AND CHEMICAL TOXICOLOGY, vol.46, no.2, pp.314-322, 2023 (SCI-Expanded)
- II. **Does storage conditions of whole blood or blood cells effect genotoxicity assessment by comet assay?**
Baydas Z., Bacanli M., Basaran N.
FOOD AND CHEMICAL TOXICOLOGY, vol.152, 2021 (SCI-Expanded)
- III. **Evaluation of oxidative stress and immune parameters of boron exposed males and females**
Basaran N., DUYDU Y., Bacanli M., ANLAR H. G., AYDIN DİLSİZ S., ÜSTÜNDAĞ A., YALÇIN C. Ö., Schwerdtle T., Bolt H.

M.

FOOD AND CHEMICAL TOXICOLOGY, vol.142, 2020 (SCI-Expanded)

- IV. **Oxidative stress status of Turkish welders**
Tokac D., ANLAR H. G., Bacanlı M., AYDIN DİLSİZ S., Iritas S., Basaran N.
TOXICOLOGY AND INDUSTRIAL HEALTH, vol.36, no.4, pp.263-271, 2020 (SCI-Expanded)
- V. **Evaluation of the DNA damage in lymphocytes, sperm and buccal cells of workers under environmental and occupational boron exposure conditions**
Basaran N., Duydu Y., Ustundag A., Taner G., Aydin S., Anlar H. G., YALÇIN C. Ö., Bacanlı M., Aydos K., Atabekoglu C. S., et al.
MUTATION RESEARCH-GENETIC TOXICOLOGY AND ENVIRONMENTAL MUTAGENESIS, vol.843, pp.33-39, 2019 (SCI-Expanded)
- VI. **Assessment of DNA damage in welders using comet and micronucleus assays**
Aksu I., ANLAR H. G., Taner G., BACANLI M., Iritas S., TUTKUN E., Basaran N.
MUTATION RESEARCH-GENETIC TOXICOLOGY AND ENVIRONMENTAL MUTAGENESIS, vol.843, pp.40-45, 2019 (SCI-Expanded)
- VII. **Dual actions of the antioxidant chlorophyllin, a glutathione transferase P1-1 inhibitor, in tumorigenesis and tumor progression**
ÖZCAN M., ESENDAĞLI G., Musdal Y., CANPINAR H., BACANLI M., Anlar H. G., Esendagli-Yilmaz G., Beyramzadeh M., AKSOY Y.
JOURNAL OF CELLULAR BIOCHEMISTRY, vol.120, no.5, pp.7045-7055, 2019 (SCI-Expanded)
- VIII. **Environmental boron exposure does not induce DNA damage in lymphocytes and buccal cells of females DNA damage in lymphocytes and buccal cells of boron exposed females**
Basaran N., Duydu Y., Ustundag A., Taner G., AYDIN DİLSİZ S., Anlar H. G., YALÇIN C. Ö., Bacanlı M., Golka K., Schwerdtle T., et al.
JOURNAL OF TRACE ELEMENTS IN MEDICINE AND BIOLOGY, vol.53, pp.150-153, 2019 (SCI-Expanded)
- IX. **Boron-exposed male workers in Turkey: no change in sperm Y:X chromosome ratio and in offspring's sex ratio**
Duydu Y., Basaran N., Yalcin C. O., Ustundag A., Aydin S., Anlar H. G., Bacanlı M., Aydos K., Atabekoglu C. S., Golka K., et al.
ARCHIVES OF TOXICOLOGY, vol.93, no.3, pp.743-751, 2019 (SCI-Expanded)
- X. **Importance of antibiotic residues in animal food**
BACANLI M., Basaran N.
FOOD AND CHEMICAL TOXICOLOGY, vol.125, pp.462-466, 2019 (SCI-Expanded)
- XI. **Preventive role of Pycnogenol ® against the hyperglycemia-induced oxidative stress and DNA damage in diabetic rats**
Aydin Dilsiz S., Bacanlı M., Anlar H. G., Cal T., Ari N., Bucurgat Ü., Başaran A. A., Basaran N.
Food and Chemical Toxicology, vol.124, pp.54-63, 2019 (SCI-Expanded)
- XII. **Effects of phytochemicals against diabetes**
BACANLI M., AYDIN DİLSİZ S., Basaran N., BAŞARAN A.
ADVANCES IN FOOD AND NUTRITION RESEARCH, VOL 89, vol.89, pp.209-238, 2019 (SCI-Expanded)
- XIII. **Evaluation of FSH, LH, testosterone levels and semen parameters in male boron workers under extreme exposure conditions**
DUYDU Y., Basaran N., Aydin S., ÜSTÜNDAĞ A., Yalcin C. O., ANLAR H. G., BACANLI M., AYDOS K., ATABEKOĞLU C. S., Golka K., et al.
ARCHIVES OF TOXICOLOGY, vol.92, no.10, pp.3051-3059, 2018 (SCI-Expanded)
- XIV. **Can ursolic acid be beneficial against diabetes in rats?**
Bacanlı M., Aydin S., Anlar H. G., ÇAL T., Ari N., Bucurgat U. U., BAŞARAN A. A., Basaran N.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.43, no.5, pp.520-529, 2018 (SCI-Expanded)
- XV. **Birth weights of newborns and pregnancy outcomes of environmentally boron-exposed females in Turkey**
DUYDU Y., Basaran N., ÜSTÜNDAĞ A., AYDIN DİLSİZ S., Yalcin C. O., ANLAR H. G., BACANLI M., AYDOS K.,

ATABEKOĞLU C. S., Golka K., et al.

ARCHIVES OF TOXICOLOGY, vol.92, no.8, pp.2475-2485, 2018 (SCI-Expanded)

- XVI. **Effects of cinnamic acid on complications of diabetes**
ANLAR H. G., BACANLI M., ÇAL T., AYDIN DİLSİZ S., ARI N., ÜNDEĞER BUCURGAT Ü., BAŞARAN A. A., BAŞARAN A. N.
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.48, no.1, pp.168-177, 2018 (SCI-Expanded)
- XVII. **Assessment of DNA damage in ceramic workers**
ANLAR H. G., Taner G., BACANLI M., Iritas S., KURT T., TUTKUN E., YILMAZ Ö. H., Basaran N.
MUTAGENESIS, vol.33, no.1, pp.97-104, 2018 (SCI-Expanded)
- XVIII. **D-limonene ameliorates diabetes and its complications in streptozotocin-induced diabetic rats**
BACANLI M., ANLAR H. G., AYDIN S., ÇAL T., ARI N., Bucurgat Ü., Basaran A. A., Basaran N.
Food and Chemical Toxicology, vol.110, pp.434-442, 2017 (SCI-Expanded)
- XIX. **Are all phytochemicals useful in the preventing of DNA damage?**
BACANLI M., AYDIN DİLSİZ S., BAŞARAN A., Basaran N.
FOOD AND CHEMICAL TOXICOLOGY, vol.109, pp.210-217, 2017 (SCI-Expanded)
- XX. **The antioxidant, cytotoxic, and antigenotoxic effects of galangin, puerarin, and ursolic acid in mammalian cells**
BACANLI M., BAŞARAN A. N., Basaran N.
DRUG AND CHEMICAL TOXICOLOGY, vol.40, no.3, pp.256-262, 2017 (SCI-Expanded)
- XXI. **Lycopenes as Antioxidants in Gastrointestinal Diseases**
Basaran N., BACANLI M., BAŞARAN A.
GASTROINTESTINAL TISSUE: OXIDATIVE STRESS AND DIETARY ANTIOXIDANTS, pp.355-362, 2017 (SCI-Expanded)
- XXII. **Effects of Occupational Silica Exposure on OXIDATIVE Stress and Immune System Parameters in Ceramic Workers in TURKEY**
Anlar H. G., BACANLI M., İRİTAŞ S., Bal C., Kurt T., Tutkun E., Yilmaz O. H., Basaran N.
JOURNAL OF TOXICOLOGY AND ENVIRONMENTAL HEALTH-PART A-CURRENT ISSUES, vol.80, pp.688-696, 2017 (SCI-Expanded)
- XXIII. **Resveratrol Protects Sepsis-Induced Oxidative DNA Damage in Liver and Kidney of Rats**
AYDIN DİLSİZ S., Sahin T. T., BACANLI M., Taner G., BAŞARAN A. A., AYDIN DİLSİZ S., Basaran N.
BALKAN MEDICAL JOURNAL, vol.33, no.6, pp.594-601, 2016 (SCI-Expanded)
- XXIV. **Does rosmarinic acid treatment have protective role against sepsis-induced oxidative damage in Wistar Albino rats?**
BACANLI M., AYDIN S., Taner G., Goktas H. G., SAHIN T., BAŞARAN A. N., Basaran N.
HUMAN & EXPERIMENTAL TOXICOLOGY, vol.35, no.8, pp.877-886, 2016 (SCI-Expanded)
- XXV. **Aflatoxin levels in chronic hepatitis B patients with cirrhosis or hepatocellular carcinoma in Balikesir, Turkey**
Aydin M., AYDIN S., BACANLI M., Basaran N.
JOURNAL OF VIRAL HEPATITIS, vol.22, no.11, pp.926-935, 2015 (SCI-Expanded)
- XXVI. **The antioxidant and antigenotoxic properties of citrus phenolics limonene and naringin**
BACANLI M., BAŞARAN A. N., Basaran N.
FOOD AND CHEMICAL TOXICOLOGY, vol.81, pp.160-170, 2015 (SCI-Expanded)
- XXVII. **Modulating Effects of Pycnogenol (R) on Oxidative Stress and DNA Damage Induced by Sepsis in Rats**
Taner G., Aydin S., BACANLI M., Sarigol Z., Sahin T., BAŞARAN A. N., Basaran N.
PHYTOTHERAPY RESEARCH, vol.28, no.11, pp.1692-1700, 2014 (SCI-Expanded)
- XXVIII. **The protective role of ferulic acid on sepsis-induced oxidative damage in Wistar albino rats**
BACANLI M., Aydin S., Taner G., Goktas H. G., Sahin T., BAŞARAN A. N., Basaran N.
ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY, vol.38, no.3, pp.774-782, 2014 (SCI-Expanded)
- XXIX. **Protective effects of resveratrol on sepsis-induced DNA damage in the lymphocytes of rats**
AYDIN S., BACANLI M., Taner G., Sahin T., BAŞARAN A. N., Basaran N.
HUMAN & EXPERIMENTAL TOXICOLOGY, vol.32, no.10, pp.1048-1057, 2013 (SCI-Expanded)

Articles Published in Other Journals

- I. **Evaluation of Health Status of Turkish Ceramic Workers**
ANLAR H. G., BACANLI M., Gunduzoz M., Iritas S., TUTKUN E., YILMAZ Ö. H., Basaran N.
CLINICAL AND EXPERIMENTAL HEALTH SCIENCES, vol.8, no.3, pp.202-206, 2018 (ESCI)
- II. **Lycopene: Is It Beneficial to Human Health as an Antioxidant?**
BACANLI M., BAŞARAN A. A., BAŞARAN A. N.
Turkish Journal of Pharmaceutical Sciences, vol.14, pp.311-318, 2017 (Scopus)
- III. **The Ameliorative Effects of Pycnogenol (R) on Liver Ischemia-Reperfusion Injury in Rats**
Tokac M., BACANLI M., DUMLU E. G., AYDIN DİLSİZ S., Engin M., BOZKURT B., YALÇIN A., EREL Ö., KILIÇ M., Basaran N.
TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES, vol.14, no.3, pp.257-263, 2017 (ESCI)
- IV. **Assessment of Cytotoxicity Profiles of Different Phytochemicals: Comparison of Neutral Red and MTT Assays in Different Cells in Different Time Periods**
BACANLI M., ANLAR H. G., BAŞARAN A. A., BAŞARAN A. N.
Turkish Journal of Pharmaceutical Sciences, vol.14, pp.95-107, 2017 (Scopus)
- V. **Assessment of cytotoxicity profiles of different phytochemicals: Comparison of neutral red and MTT assays in different cells in different time** Fenoliklerin sitotoksikite profillerinin değerlendirilmesi: Farklı hücrelerde farklı zaman aralıklarında nötral kırmızı ve MTT Yöntemlerinin karşılaştırılması
BACANLI M., ANLAR H. G., BAŞARAN A. N., Başaran N.
Turkish Journal of Pharmaceutical Sciences, vol.14, no.2, pp.95-107, 2017 (Scopus)
- VI. **Antioxidant capacities and cytotoxic properties of some natural phenolic compounds in different cell lines**
BACANLI M., ANLAR H. G., Sarıgöl Kılıç Z., AYDIN S., BAŞARAN A. A., BAŞARAN A. N.
ANKARA UNIVERSİTESİ ECZACILIK FAKULTESİ DERGISİ, vol.34, no.1, pp.60-72, 2015 (Peer-Reviewed Journal)
- VII. **Antioxidant capacities and cytotoxic properties of some natural phenolic compounds in different cell lines** Bazı Doğal Fenolik Bileşiklerin Antioksidan Kapasiteleri ve Farklı Hücre Hatlarında Sitotoksik Etkileri
BACANLI M., Göktaş H. G., SARIGÖL Z., Aydın S., BAŞARAN A. A., Başaran N.
Hacettepe University Journal of the Faculty of Pharmacy, vol.34, no.1, pp.60-72, 2014 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **Yüksek Düzeyde Borik Asit ve Boratlara Maruz Kalmak Kadınlarda Gelişim Erkeklerde ise Üreme Toksikitesine Sebep Olabilir mi?**
DUYDU Y., BAŞARAN A. N., ÜSTÜNDAĞ A., AYDIN DİLSİZ S., YALÇIN C. Ö., ANLAR H. G., BACANLI M., AYDOS K., ATABEKOĞLU C. S., GOLKA K., et al.
IV. Ulusal Vektör Mücadelesi Sempozyumu, Antalya, Turkey, 1 - 04 November 2018
- II. **Can occupational exposure to crystalline silica in ceramic industries affect the immune parameters?**
Anlar H. G., BACANLI M., Iritas S., BAL C., KURT T., Tutkun E., Yılmaz O. H., Basaran N.
53rd Congress of the European-Societies-of-Toxicology (EUROTOX), Bratislava, Slovakia, 10 - 13 September 2017, vol.280
- III. **Investigation of boron mediated reproductive and developmental effects in highly boron exposed population**
DUYDU Y., Basaran N., AYDIN DİLSİZ S., ÜSTÜNDAĞ A., Goktas H. G., Yalcin C. O., BACANLI M., SARIGÖL Z., AYDOS K., ATABEKOĞLU C. S., et al.
53rd Congress of the European-Societies-of-Toxicology (EUROTOX), Bratislava, Slovakia, 10 - 13 September 2017, vol.280
- IV. **Antigenotoxic effects of Pycnogenol in diabetic rats**
AYDIN DİLSİZ S., BACANLI M., Goktas H. G., ÜNDEĞER BUCURGAT Ü., ARI N., BAŞARAN A. A., Basaran N.

53rd Congress of the European-Societies-of-Toxicology (EUROTOX), Bratislava, Slovakia, 10 - 13 September 2017, vol.280

V. **Genotoxicity evaluation of naringin on mammalian cell lines by micronucleus assay**

BACANLI M., Anlar H. G., BAŞARAN A., Basaran N.

53rd Congress of the European-Societies-of-Toxicology (EUROTOX), Bratislava, Slovakia, 10 - 13 September 2017, vol.280

VI. **THE PROTECTIVE ROLE OF CHLOROPHYLLINE Cu COMPLEX ON N METHYL N NITROSOUREA INDUCED BREAST CANCER MODEL**

ÖZCAN M., BÜBER E., CEYHAN D., beyramzadeh m., BACANLI M., ESENDAĞLI G., AKSOY Y.

XXVII. ULUSAL BİYOKİMYA KONGRESİ, 3 - 06 November 2015, vol.40

VII. **The protective role of chlorophylline-Cu complex on N-methyl-N-nitrosourea induced breast cancer model in Sprague Dawley Rats: glutathione and DNA damage levels**

ÖZCAN M., BÜBER E., Ceyhan D., BACANLI M., Beyramzadeh M., ESENDAĞLI G., AKSOY Y.

40th Congress of the Federation-of-European-Biochemical-Societies (FEBS) - The Biochemical Basis of Life, Berlin, Germany, 4 - 09 July 2015, vol.282, pp.265

VIII. **Effects of ferulic acid on oxidative stress parameters in livers and kidneys of Wistar albino rats**

BACANLI M., AYDIN DİLSİZ S., Taner G., Goktas H. G., Sahin T., BAŞARAN A., Basaran N.

50th Congress of the European-Societies-of-Toxicology, Edinburgh, Saint Helena, 7 - 10 September 2014, vol.229

IX. **Genotoxic and antigenotoxic effects of galangin**

Goktas H. G., BACANLI M., BAŞARAN A., Basaran N.

50th Congress of the European-Societies-of-Toxicology, Edinburgh, Saint Helena, 7 - 10 September 2014, vol.229

X. **Modulating effects of pycnogenol on sepsis induced DNA damage in the liver and renal tissue cells of rats**

Taner G., AYDIN DİLSİZ S., BACANLI M., Sahin T., BAŞARAN A., Basaran N.

49th Congress of the European-Societies-of-Toxicology (EUROTOX), Interlaken, Switzerland, 1 - 04 September 2013, vol.221

XI. **Cytotoxicity of pycnogenol and resveratrol in CHO and HeLa cell lines**

SARIGÖL Z., Taner G., AYDIN DİLSİZ S., BACANLI M., BAŞARAN A., Basaran N.

49th Congress of the European-Societies-of-Toxicology (EUROTOX), Interlaken, Switzerland, 1 - 04 September 2013, vol.221

Supported Projects

BAŞARAN A. N., BAYRAM M., BACANLI M., ANLAR H. G., ÇALIŞ P., Project Supported by Higher Education Institutions, Diyabetli ve Preeklampsili Anneler ve Bebeklerinde Oksidatif Stres İmmün Sistem Göstergeleri Genotoksisite ve Ağır Metal Düzeylerinin Değerlendirilmesi, 2017 - 2022

BAŞARAN A. N., BACANLI M., ANLAR H. G., Project Supported by Higher Education Institutions, Kaynak İşçilerinde Kan Metal Düzeylerinin Belirlenmesi, 2017 - 2018

BACANLI M., ÇAL T., BAŞARAN A. N., ÜNDEĞER BUCURGAT Ü., Project Supported by Higher Education Institutions, İç Anadolu Bölgesindeki İllerin İçme Sularında Ağır Metal Düzeylerinin Belirlenmesi, 2017 - 2018

BACANLI M., Project Supported by Higher Education Institutions, I Ulusal Anadolu Üniversitesi Eczacılık Fakültesi Sempozyumu, 2017 - 2017

BACANLI M., BAŞARAN A. N., ANLAR H. G., Project Supported by Higher Education Institutions, Ankara İli İçme Sularında Ağır Metal Düzeylerinin Belirlenmesi, 2016 - 2017

BAŞARAN A. N., GÖKTAŞ H. G., Aksu İ., DERİN TOKAÇ D., BACANLI M., Project Supported by Higher Education Institutions, Kaynak İşçilerinde Mesleki Maruziyete Bağlı Olası Toksik Etkilerin Değerlendirilmesi, 2015 - 2017

AYDIN DİLSİZ S., BAŞARAN A. N., BACANLI M., TUBITAK Project, Deneysel Diyabet Oluşturulan Wistar Albino Sıçanlarda Pknogenol Sinamik Asit Ursolik Asit ve Limonenin Oksidatif Stres ve Genotoksisite Üzerine Etkisi, 2014 - 2017

BACANLI M., TUBITAK Project, Silikozisi Olan Seramik İşçilerinde Mesleki Maruziyete Bağlı Olası Toksik Etkilerin Değerlendirilmesi, 2015 - 2016

BACANLI M., Project Supported by Higher Education Institutions, Bitkisel Kaynaklı Fenolik Yapıdaki Çeşitli Bileşiklerin Farklı Hücre Tiplerinde Sitotoksik Etkilerinin Değerlendirilmesi, 2014 - 2015

Metrics

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