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Personal Information

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Education Information

Doctorate, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Farmasötik Toksikoloji, Turkey 1980 - 1987

Postgraduate, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Farmasötik Toksikoloji, Turkey 1977 - 1980

Undergraduate, Hacettepe Üniversitesi, Eczacılık Fakültesi, Turkey 1973 - 1977

Foreign Languages

English, C1 Advanced

Research Areas

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

Academic Titles / Tasks

Professor, Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 1999 - Continues

Associate Professor, Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 1992 - 1999

Research Assistant, Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 1977 - 1991

Academic and Administrative Experience

Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2009 - 2013

Advising Theses

BAŞARAN A. N. , Doğal ürünlerde bulunan fenolik bileşiklerin genotoksik ve antigenotoksik etkileri, Doctorate, G.TANER(Student), 2015

BAŞARAN A. N. , Kuantum noktalarının memeli hücrelerindeki sitotoksik ve genotoksik etkileri, Doctorate, D.ÖZKAN(Student), 2015

BAŞARAN A. N. , Titanyum dioksit ve lesitin kitosan nano partiküllerinin in vitro genotoksik ve sitotoksik değerlendirmesi, Postgraduate, R.YEŞİLÖZ(Student), 2011

Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

1. DNA damage in circulating leukocytes measured with the comet assay may predict the risk of death
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- II. **Does storage conditions of whole blood or blood cells effect genotoxicity assessment by comet assay?**
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- III. **The hCOMET project: International database comparison of results with the comet assay in human biomonitoring. Baseline frequency of DNA damage and effect of main confounders**
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- IV. **Minimum Information for Reporting on the Comet Assay (MIRCA): recommendations for describing comet assay procedures and results**
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- V. **Evaluation of oxidative stress and immune parameters of boron exposed males and females**
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FOOD AND CHEMICAL TOXICOLOGY, vol.142, 2020 (Journal Indexed in SCI)
- VI. **Occupational Exposure to Metals and Solvents: Allergy and Airway Diseases**
Kurt O. K., Basaran N.
CURRENT ALLERGY AND ASTHMA REPORTS, vol.20, no.8, 2020 (Journal Indexed in SCI)
- VII. **Oxidative stress status of Turkish welders**
Tokac D., ANLAR H. G., Bacanli M., AYDIN DİLSİZ S., Iritas S., Basaran N.
TOXICOLOGY AND INDUSTRIAL HEALTH, vol.36, no.4, pp.263-271, 2020 (Journal Indexed in SCI)
- VIII. **Effects of boron compounds on human reproduction**
Bolt H. M., Basaran N., DUYDU Y.
ARCHIVES OF TOXICOLOGY, vol.94, no.3, pp.717-724, 2020 (Journal Indexed in SCI)
- IX. **Application of the comet assay in human biomonitoring: An hCOMET perspective**
Azqueta A., Ladeira C., Giovannelli L., Boutet-Robinet E., Bonassi S., Neri M., Gajski G., Duthie S., Del Bo C., Riso P., et al.
MUTATION RESEARCH-REVIEWS IN MUTATION RESEARCH, vol.783, 2020 (Journal Indexed in SCI)
- X. **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.
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- XI. **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., Bacanli M., Aydos K., Atabekoglu C. S., et al.
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- XII. **Importance of antibiotic residues in animal food**
BACANLI M., Basaran N.
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- XIII. **Effects of phytochemicals against diabetes**
BACANLI M., AYDIN DİLSİZ S., Basaran N., BAŞARAN A.
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- XIV. **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.
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- XV. **Birth weights of newborns and pregnancy outcomes of environmentally boron-exposed females in Turkey**
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- XVI. **Effects of silver sulfide quantum dots coated with 2-mercaptopropionic acid on genotoxic and apoptotic pathways in vitro**
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- XVII. **Can the ceramic industry be a new and hazardous sector for work-related asthma?**
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- XVIII. **Effects of cinnamic acid on complications of diabetes**
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- XIX. **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 (Journal Indexed in SCI)
- XX. **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 (Journal Indexed in SCI)
- XXI. **Boron and its compounds: current biological research activities**
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- XXII. **The antioxidant, cytotoxic, and antigenotoxic effects of galangin, puerarin, and ursolic acid in mammalian cells**
BACANLI M., BAŞARAN A. N. , Basaran N.
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- XXIII. **Use of in vitro assays to assess the potential cytotoxic, genotoxic and antigenotoxic effects of vanillic and cinnamic acid**
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- XXV. **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.
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- XXVI. **The European Registered Toxicologist (ERT): Current status and prospects for advancement**
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- XXVII. **Does rosmarinic acid treatment have protective role against sepsis-induced oxidative damage in Wistar Albino rats?**
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HUMAN & EXPERIMENTAL TOXICOLOGY, vol.35, no.8, pp.877-886, 2016 (Journal Indexed in SCI)

- XXVIII. **Is boric acid toxic to reproduction in humans? Assessment of the animal reproductive toxicity data and epidemiological study results**
Duydu Y., Basaran N., Ustundag A., Aydin S., Undeger Ü., ATAMAN O. Y. , Aydos K., Duker Y., Ickstadt K., Waltrup B. S. , et al.
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- XXIX. **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 (Journal Indexed in SCI)
- XXX. **Hepatoprotective and antioxidant effects of lycopene in acute cholestasis**
Tokac M., Aydin S., Taner G., Ozkardes A. B. , Yavuz Taslipinar M., DOGAN M., Dundar H. Z. , Kilic M., BAŞARAN A. A. , BAŞARAN A. N.
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.45, no.4, pp.857-864, 2015 (Journal Indexed in SCI)
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- XXXII. **In utero exposure to dicyclohexyl and di-n-hexyl phthalate possess genotoxic effects on testicular cells of male rats after birth in the comet and TUNEL assays**
Ahabab M. A. , Undeger U., BARLAS N., Basaran N.
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Tokac M., Taner G., Aydin S., Ozkardes A. B. , Dundar H. Z. , Taslipinar M. Y. , Arikok A. T. , Kilic M., BAŞARAN A. A. , Basaran N.
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- XXXVI. **The carotenoid lycopene protects rats against DNA damage induced by Ochratoxin A**
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Duydu Y., Basaran N., Ustundag A., Aydin S., Undeger U., ATAMAN O. Y. , Aydos K., Duker Y., Ickstadt K., Waltrup B. S. , et al.
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- XL. **Exposure assessment of boron in Bandirma boric acid production plant**
Duydu Y., Basaran N., Bolt H. M.
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- XLI. **Reproductive toxicity in boron exposed workers in Bandirma, Turkey**
Basaran N., Duydu Y., Bolt H. M.

- JOURNAL OF TRACE ELEMENTS IN MEDICINE AND BIOLOGY, vol.26, pp.165-167, 2012 (Journal Indexed in SCI)
- XLII. **HUMAN ENVIRONMENTAL AND OCCUPATIONAL EXPOSURES TO BORIC ACID: RECONCILIATION WITH EXPERIMENTAL REPRODUCTIVE TOXICITY DATA**
Bolt H. M. , Basaran N., Duydu Y.
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- XLIII. **Genotoxicity evaluation of dentine bonding agents by comet assay**
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- XLIV. **Reproductive toxicity parameters and biological monitoring in occupationally and environmentally boron-exposed persons in Banda +/- rma, Turkey**
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- XLV. **Assessment of oxidative DNA damage of the formaldehyde-exposed workers**
AYDIN DİLSİZ S., Canpinar H., Kars A., Colakoglu M., Basaran N.
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- XLVI. **Assessment of DNA damage in the peripheral lymphocytes of patients with multiple sclerosis by the comet assay**
Baydar M., AYDIN DİLSİZ S., Undeger U., Orhan G., Ak F., Basaran N.
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Kaya A., Undeger U., Omurlu H., Basaran N.
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- XLVIII. **Systemic Administration of Interleukin-10 Attenuates Early Ischemic Response Following Spinal Cord Ischemia Reperfusion Injury in Rats**
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- XLIX. **Adverse Effects of Medicinal Herbs and Intoxication**
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- LIII. **The effects of thyme volatiles on the induction of DNA damage by the heterocyclic amine IQ and mitomycin C**
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- LV. Modulating effects of thyme and its major ingredients on oxidative DNA damage in human lymphocytes**
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- LVII. The effect of vitamin E supplementation on antioxidant enzyme activities and lipid peroxidation levels in hemodialysis patients**
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- LVIII. Monitoring of DNA damage in foundry and pottery workers exposed to silica by the alkaline Comet Assay**
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- LXI. Immunotoxicological investigation in rats dosed repeatedly with combinations of cypermethrin, As(III), and Hg(II)**
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- LXXIII. **HUMORAL AND CELLULAR IMMUNE PARAMETERS IN UNTREATED AND PHENYTOIN-TREATED OR CARBAMAZEPINE-TREATED EPILEPTIC PATIENTS**
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