Prof. NURHAYAT BARLAS

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Education Information

Doctorate, Hacettepe University, Fen Bilimleri Enstitüsü, Biyoloji Bölümü (Zooloji Abd), Turkey 1985 - 1992

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Endosülfan, malatiyon ve karbarilin toprak mikroorganizmaları ile parçalanması ve parçalanma ürünlerinin albino fareler üzerindeki tastik etkileri, Hacettepe Üniversitesi, 1992

Research Areas

Life Sciences, Environmental Biology, Ecotoxicology, Natural Sciences

Academic Titles / Tasks

Professor, Hacettepe University, Fen Fakültesi, Biyoloji Bölümü, 2003 - Continues

Academic and Administrative Experience

Head of Department, Hacettepe University, Fen Fakültesi, Biyoloji Bölümü, 2017 - 2019
Hacettepe Üniversitesi, Fen Fakültesi, Biyoloji Bölümü, 2011 - 2016
Hacettepe Üniversitesi, Fen Fakültesi, Biyoloji Bölümü, 2003 - 2006

Courses

GENEL BİYOLOJİ, Undergraduate, 2018 - 2019
BYL 738 TEKNİK PREPARASYON, Postgraduate, 2017 - 2018
BYL 403 Embriyoloji, Undergraduate, 2017 - 2018
BYL 745 İLERİ SİSTEM HİSTOLOJİSİ, Postgraduate, 2017 - 2018
BIO 738 TEKNİK PREPARASYON, Postgraduate, 2017 - 2018
BYL201 SİTOLOJİ, Undergraduate, 2017 - 2018

Advising Theses

Barlas N., Sıçanlarda bisfenol A ile indüklenen polikistik over sendromuna karşı floretinin koruyucu etkilerinin araştırılması, Postgraduate, N.COŞKUN(Student), 2020
Barlas N., Erkek sıçanlarda metil paraben ve propil parabenin birlikte etkisinin hipofiz-adrenal ekseni üzerinde incelenmesi, Postgraduate, E.NUR(Student), 2020
Barlas N., Günlük hayatta sıklıkla kullanılan fitalatların metabolitleri mono etil hekzil fitalat ((MEHP) ve mono bütil fitalatın (MBP) olası etkilerinin ın vivo ve in vitro yöntemlerle araştırılması, Doctorate, G.KARABULUT(Student), 2020
Barlas N., Butilparabenin (butyl 4-hydroxybenzoate) pubertal dönemdeki erkek sıçanlarda genotoksik, histopatolojik ve biyokimyasal etkilerinin araştırılması, Postgraduate, B.ÖZTAŞCI(Student), 2018
BARLAS N., Propil parabenin olgunlaşmamış erkek sıçanlardaki antiandrojenik etkilerinin araştırılması, Postgraduate, E.ÖZDEMİR(Student), 2017
BARLAS N., Prenatal dönemde dihekzil fitalat ve disiklohekzil fitalata maruziyetin erkek ve dişi sıçanların bazı endokrin dokuları üzerindeki etkilerinin incelenmesi, Doctorate, E.GÖKTEKİN(Student), 2016
BARLAS N., Mirisetinin peripubertal dönemdeki erkek sıçanlarda tiroid gonadal eksen üzerine etkilerinin araştırılması, Postgraduate, A.OKAN(Student), 2014
BARLAS N., Di (2-etilhekzil) fitalatın pubertal dönemdeki erkek sıçanlarda genotoksik, histolojik ve biyokimyasal etkilerinin araştırılması, Postgraduate, G.KARABULUT(Student), 2014
BARLAS N., Bitkisel besinlerin içeriğinde bulunan apigenin, floretin ve mirisetinin fitoöstrojenik potansiyellerinin belirlenmesi, Postgraduate, S.ÖZER(Student), 2012
BARLAS N., Di-n-hekzil fitalat ve disiklohekzil fitalat'a prenatal maruziyetin erkek sıçanların üreme sisteminin gelişimi üzerindeki etkilerinin incelenmesi, Doctorate, M.AYDOĞAN(Student), 2010
BARLAS N., Çevresel östrojenlerden bisfenol A ve oktilfenolün erkek sıçanlarda subkronik etkileri, Postgraduate, N.YILDIZ(Student), 2009
BARLAS N., Anadolu yer sincabı (Spermophilus xanthoprymnus)'nda morfometrik varyasyon ve seçilen çevresel değişkenlerle ilişkisi, Doctorate, H.GÜR(Student), 2007
BARLAS N., Gebelik süresince uygulanan oktilfenolün ergin sıçanlarda endokrin sistem üzerindeki histopatolojik etkileri, Postgraduate, E.GÖKTEKİN(Student), 2006
BARLAS N., Prenatal dönemde P-tert-oktilfenole maruziyetin erkek sıçanların üreme sistemi üzerindeki etkileri, Postgraduate, M.AYDOĞAN(Student), 2004

Published journal articles indexed by SCI, SSCI, and AHCI

I. **DEHP impairs the oxidative stress response and disrupts trace element and mineral metabolism within the mitochondria of detoxification organs**
Aydemir D., Karabulut G., Barlas N., Ulusu N. N.
TOXICOLOGY AND INDUSTRIAL HEALTH, vol.41, no.2, pp.108-121, 2025 (SCI-Expanded)
II. **Phloretin ameliorates against bisphenol A induced polycystic ovarian syndrome, an endocrine disrupting chemical, in prepubertal rats**
Coşkun N., Barlas N.
BIOLOGY BULLETIN, vol.51, no.4, pp.1123-1136, 2024 (SCI-Expanded)
III. **In vitro and in vivo investigation of Argiope bruennichi spider silk-based novel biomaterial for**

medical use
KARAHİSAR TURAN S., KILIÇ SÜLOĞLU A., İDE S., Türkeş T., BARLAS N.
Biopolymers, 2024 (SCI-Expanded)

IV. **Effects of the in-utero dicyclohexyl phthalate and di-n-hexyl phthalate administration on the oxidative stress-induced histopathological changes in the rat liver tissue correlated with serum biochemistry and hematological parameters**
Aydemir D., Aydogan-Ahbab M., BARLAS N., Ulusu N. N.
Frontiers in Endocrinology, vol.14, 2023 (SCI-Expanded)

V. **Endocrine adverse effects of mono(2-ethylhexyl) phthalate and monobutyl phthalate in male pubertal rats**
Karabulut G., Barlas N.
Arh Hig Rada Toksikol , vol.73, no.4, pp.285-296, 2022 (SCI-Expanded)

VI. **Investigation of combined effects of propyl paraben and methyl paraben on the hypothalamic-pituitary-adrenal axis in male rats**
Inkaya E. N., Barlas N.
TOXICOLOGY AND INDUSTRIAL HEALTH, vol.38, no.10, pp.687-701, 2022 (SCI-Expanded)

VII. **The possible effects of Mono butyl phthalate (MBP) and Mono(2-ethylhexyl) phthalate (MEHP) on INS-1 pancreatic beta cells**
Karabulut G., Barlas N.
Toxicology Research, vol.10, pp.601-612, 2021 (SCI-Expanded)

VIII. **Influence of the butylparaben administration on the oxidative stress metabolism of liver, kidney and spleen**
Aydemir D., Oztasci B., BARLAS N., Ulusu N. N.
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.45, no.6, pp.689-694, 2020 (SCI-Expanded)

IX. **Influence ofin uterodi-n-hexyl phthalate and di-cyclohexyl phthalate exposure on the endocrine glands and T3, T4, and TSH hormone levels of male and female rats: Postnatal outcomes**
BARLAS N., Goktekin E., KARABULUT G.
TOXICOLOGY AND INDUSTRIAL HEALTH, vol.36, no.6, pp.399-416, 2020 (SCI-Expanded)

X. **Determination of the healthiness of aquaculture fish by enzymes and histopathological methods**
Telli-Karakoc F., BARLAS N.
MARINE POLLUTION BULLETIN, vol.149, 2019 (SCI-Expanded)

XI. **Effects of butylparaben on antioxidant enzyme activities and histopathological changes in rat tissues**
Aydemir D., Oztasci B., BARLAS N., Ulusu N. N.
ARHIV ZA HIGIJENU RADA I TOKSIKOLOGIJU-ARCHIVES OF INDUSTRIAL HYGIENE AND TOXICOLOGY, vol.70, no.4, pp.315-324, 2019 (SCI-Expanded)

XII. **Impact of the Di(2-Ethylhexyl) Phthalate Administration on Trace Element and Mineral Levels in Relation of Kidney and Liver Damage in Rats**
Aydemir D., KARABULUT G., Simsek G., GÖK M., BARLAS N., Ulusu N. N.
BIOLOGICAL TRACE ELEMENT RESEARCH, vol.186, no.2, pp.474-488, 2018 (SCI-Expanded)

XIII. **Genotoxic, histologic, immunohistochemical, morphometric and hormonal effects of di-(2-ethylhexyl)-phthalate (DEHP) on reproductive systems in pre-pubertal male rats**
Karabulut G., BARLAS N.
TOXICOLOGY RESEARCH, vol.7, no.5, pp.859-873, 2018 (SCI-Expanded)

XIV. **Assessing the antiandrogenic properties of propyl paraben using the Hershberger bioassay**
OZDEMIR E., BARLAS N., CETINKAYA M. A.
TOXICOLOGY RESEARCH, vol.7, no.2, pp.235-243, 2018 (SCI-Expanded)

XV. **Comparative developmental toxicity evaluation of di-n-hexyl phthalate and dicyclohexyl phthalate in rats**
AHBAB M. A., GUVEN C., Kockaya E. A., BARLAS N.
TOXICOLOGY AND INDUSTRIAL HEALTH, vol.33, no.9, pp.696-716, 2017 (SCI-Expanded)

XVI. **The toxicological effects of bisphenol A and octylphenol on the reproductive system of prepubertal**

male rats
AHBAB M. A., BARLAS N., Karabulut G.
TOXICOLOGY AND INDUSTRIAL HEALTH, vol.33, no.2, pp.133-146, 2017 (SCI-Expanded)

XVII. **Haematological and histopathological effects of apigenin, phloretin and myricetin based on uterotrophic assay in immature Wistar female albino rats**
BARLAS N., KARABULUT G.
HUMAN & EXPERIMENTAL TOXICOLOGY, vol.34, no.7, pp.755-768, 2015 (SCI-Expanded)

XVIII. **Investigation of effects of myricetin on thyroid-gonadal axis of male rats at prepubertal period**
Okan A., BARLAS N., Karabulut G.
ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY, vol.40, no.1, pp.268-279, 2015 (SCI-Expanded)

XIX. **Influence of in utero di-n-hexyl phthalate and dicyclohexyl phthalate on fetal testicular development in rats**
Ahbab M. A., BARLAS N.
TOXICOLOGY LETTERS, vol.233, no.2, pp.125-137, 2015 (SCI-Expanded)

XX. **The estrogenic effects of apigenin, phloretin and myricetin based on uterotrophic assay in immature Wistar albino rats**
BARLAS N., OZER S., Karabulut G.
TOXICOLOGY LETTERS, vol.226, no.1, pp.35-42, 2014 (SCI-Expanded)

XXI. **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**
Ahbab M. A., Undeger U., BARLAS N., Basaran N.
HUMAN & EXPERIMENTAL TOXICOLOGY, vol.33, no.3, pp.230-239, 2014 (SCI-Expanded)

XXII. **Hepatic and renal functions in growing male rats after bisphenol A and octylphenol exposure**
Yildiz N., BARLAS N.
HUMAN & EXPERIMENTAL TOXICOLOGY, vol.32, no.7, pp.675-686, 2013 (SCI-Expanded)

XXIII. **Developmental effects of prenatal di-n-hexyl phthalate and dicyclohexyl phthalate exposure on reproductive tract of male rats: Postnatal outcomes**
Ahbab M. A., BARLAS N.
FOOD AND CHEMICAL TOXICOLOGY, vol.51, pp.123-136, 2013 (SCI-Expanded)

XXIV. **Vitamin C Coadministration Augments Bisphenol A, Nonylphenol, and Octylphenol Induced Oxidative Damage on Kidney of Rats**
KORKMAZ A., AYDOGAN M., Kolankaya D., BARLAS N.
ENVIRONMENTAL TOXICOLOGY, vol.26, no.4, pp.325-337, 2011 (SCI-Expanded)

XXV. **An in vivo assessment of the genotoxic potential of bisphenol A and 4-tert-octylphenol in rats**
Ulutas O. K., YILDIZ N., Durmaz E., Ahbab M. A., BARLAS N., Cok I.
ARCHIVES OF TOXICOLOGY, vol.85, no.8, pp.995-1001, 2011 (SCI-Expanded)

XXVI. **Influence of vitamin C on bisphenol A, nonylphenol and octylphenol induced oxidative damages in liver of male rats**
KORKMAZ A., Ahbab M. A., Kolankaya D., BARLAS N.
FOOD AND CHEMICAL TOXICOLOGY, vol.48, no.10, pp.2865-2871, 2010 (SCI-Expanded)

XXVII. **Pro-oxidant effect of vitamin C coadministration with bisphenol A, nonylphenol, and octylphenol on the reproductive tract of male rats**
AYDOGAN M., KORKMAZ A., BARLAS N., KOLANKAYA D.
DRUG AND CHEMICAL TOXICOLOGY, vol.33, no.2, pp.193-203, 2010 (SCI-Expanded)

XXVIII. **Histopathologic effects of maternal 4-tert-octylphenol exposure on liver, kidney and spleen of rats at adulthood**
BARLAS N., AYDOGAN M.
ARCHIVES OF TOXICOLOGY, vol.83, no.4, pp.341-349, 2009 (SCI-Expanded)

XXIX. **Histopathological effects of 4-tert-octylphenol treatment through the pregnancy period, on the pituitary, adrenal, pancreas, thyroid and parathyroid glands of offspring rats at adulthood**
GOEKTEKIN E., BARLAS N.

ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY, vol.26, no.2, pp.199-205, 2008 (SCI-Expanded)

XXX. **The effect of vitamin C on bisphenol A, nonylphenol and octylphenol induced brain damages of male rats**
AYDOGAN M., KORKMAZ A., BARLAS N., KOLANKAYA D.
TOXICOLOGY, vol.249, no.1, pp.35-39, 2008 (SCI-Expanded)

XXXI. **Histopathologic effects on the hypophysis, adrenal, pancreas, thyroid and parathyroid glands of adult male and female rats exposed maternally to 4-tert-octylphenol**
Goektekin E., Barlas N.
TOXICOLOGY LETTERS, vol.172, 2007 (SCI-Expanded)

XXXII. **Effects of maternal 4-tert-octylphenol exposure on the reproductive tract of male rats at adulthood**
AYDOGAN M., Barlas N.
REPRODUCTIVE TOXICOLOGY, vol.22, no.3, pp.455-460, 2006 (SCI-Expanded)

XXXIII. **The contamination levels of organochlorine pesticides in water and sediment samples in Uluabat Lake, Turkey**
Barlas N., COK I., Akbulut N.
ENVIRONMENTAL MONITORING AND ASSESSMENT, vol.118, pp.383-391, 2006 (SCI-Expanded)

XXXIV. **Sex ratio of a population of Anatolian ground squirrels Spermophilus xanthoprymnus in Central Anatolia, Turkey**
GUR H., Barlas N.
ACTA THERIOLOGICA, vol.51, no.1, pp.61-67, 2006 (SCI-Expanded)

XXXV. **Dose-dependent effects of carbendazim on rat thymus**
SONGUR S., KOCKAYA E., SELMANOGLU G., Barlas N.
CELL BIOCHEMISTRY AND FUNCTION, vol.23, no.6, pp.457-460, 2005 (SCI-Expanded)

XXXVI. **Assessment of heavy metal residues in the sediment and water samples of Uluabat Lake, Turkey**
Barlas N., AKBULUT N., AYDOGAN M.
BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.74, no.2, pp.286-293, 2005 (SCI-Expanded)

XXXVII. **Determination of organochlorine pesticide residues in water and sediment samples in inner Anatolia in Turkey**
Barlas N.
BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.69, no.2, pp.236-242, 2002 (SCI-Expanded)

XXXVIII. **Effects of carbendazim on rat thyroid, parathyroid, pituitary and adrenal glands and their hormones**
Barlas N., SELMANOGLU G., KOCKAYA A., SONGUR S.
HUMAN & EXPERIMENTAL TOXICOLOGY, vol.21, no.4, pp.217-221, 2002 (SCI-Expanded)

XXXIX. **Carbendazim-induced haematological, biochemical and histopathological changes to the liver and kidney of male rats**
SELMANOGLU G., Barlas N., SONGUR S., KOCKAYA E.
HUMAN & EXPERIMENTAL TOXICOLOGY, vol.20, no.12, pp.625-630, 2001 (SCI-Expanded)

XL. **A pilot study of heavy metal concentration in various environments and fishes in the upper Sakarya River Basin, Turkey**
Barlas N.
ENVIRONMENTAL TOXICOLOGY, vol.14, no.3, pp.367-373, 1999 (SCI-Expanded)

XLI. **Determination of organochlorine pesticide residues in aquatic systems and organisms in upper Sakarya basin, Turkiye**
Barlas N.
BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.62, no.3, pp.278-285, 1999 (SCI-Expanded)

XLII. **Histopathological examination of gill, liver and kidney tissues of carp (Cyprinus carpio L., 1758) fish in the upper Sakarya river basin**
Barlas N.

TURKISH JOURNAL OF VETERINARY & ANIMAL SCIENCES, vol.23, pp.277-284, 1999 (SCI-Expanded)

XLIII. **Determination of organochlorine pesticide residues in various environments and organisms in Goksu Delta, Turkey**
AYAS Z., Barlas N., KOLANKAYA D.
AQUATIC TOXICOLOGY, vol.39, no.2, pp.171-181, 1997 (SCI-Expanded)

XLIV. **Toxicological assessment of biodegraded malathion in albino mice**
Barlas N.
BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.57, no.5, pp.705-712, 1996 (SCI-Expanded)

Articles Published in Other Journals

I. **Investigation of the Combined Effects of Propylparaben and Methylparaben on Biochemical and Histological Parameters in Male Rats**
İnkaya E. N., Barlas N.
J CLIN PRACT RES, vol.45, no.4, pp.360-369, 2023 (ESCI)

II. **Morphological, Hematological and Histopathological Effects of Propyl Paraben on Endocrine Glands of Male Rats at Prepubertal Period.**
İNKAYA E. N., KARABULUT G., BARLAS N.
Journal of Scientific Reports, vol.49, no.74, pp.74-91, 2022 (Peer-Reviewed Journal)

III. **Potential Genotoxic Effects of Butylparaben (Butyl 4-Hydroxybenzoate) in Lymphocytes and Liver Samples of Pubertal Male Rats**
Çömezoğlu B., Barlas N.
Erciyes Med J , vol.44, no.3, pp.279-285, 2022 (ESCI)

IV. **CRISPR-Of-Things: Applications and Challenges of the Most Popular Gene Editing Tool in the Fields of Health, Agriculture and Environment**
Tastan C., Yaşar S., Tanyolaç M. B., Turgut K., Şireli U. T., Atak Ç., Haliloğlu K., Benlioğlu K., Taşkın K. M., Barlas N., et al.
International Journal of Innovative Approaches in Science Research, vol.4, no.4, pp.153-190, 2020 (Peer-Reviewed Journal)

V. **Data the DEHP induced changes on the trace element and mineral levels in the brain and testis tissues of rats**
Aydemir D., KARABULUT G., GÖK M., BARLAS N., Ulusu N. N.
DATA IN BRIEF, vol.26, 2019 (ESCI)

VI. **The Influence of the Myricetin on the Liver, Kidney, Spleen and Some Endocrine Glands of Male Rats at Prepubertal Period**
BARLAS N., OFLAMAZ OKAN A.
Hacettepe J. Biol. Chem, vol.47, no.3, pp.317-326, 2019 (Peer-Reviewed Journal)

VII. **Biochemical and Histopathological Effects of in Utero Di-N-Hexyl Phthalate and Di-Cyclohexyl Phthalate Exposure on the Thyroid Axes and T3, T4, TSH Hormone Levels of Male and Female Rats: at Adulthood**
Goktekin E., BARLAS N.
ERCIYES MEDICAL JOURNAL, vol.39, no.4, pp.176-182, 2017 (ESCI)

VIII. **Biochemical and histopathological effects of in utero di-n-hexyl phthalate and di-cyclohexyl phthalate exposure on the thyroid gland and T3, T4, TSH hormone levels of male rats: at adulthood.**
Göktekın E., Barlas N.
Actualite Chimique, vol.39, no.4, pp.176-182, 2017 (Scopus)

IX. **BIOCHEMICAL AND HISTOPATHOLOGICAL EFFECTS OF IN UTERO EXPOSURE DI-N-HEXYL PHTHALATE AND DICYCLOHEXYL PHTHALATE IN PREPUBERTAL, PUBERTAL AND ADULT STAGES OF WISTAR FEMALE AND MALE ALBINO RATS**

ahbab a. m., BARLAS N., KARABULUT G.
The Turkish Journal Of Occupational / Environmental Medicine and Safety, 2015 (Peer-Reviewed Journal)

X. **Biochemical and Histological Alterations In Reproductive Tract Tissues of Male Swiss Albino Mice Exposed Commercially Prepared Aloe Vera Gel Product**
Ahbab A. M., Korkmaz A., Barlas N., Gürbüz İ., Çok İ.
Hacettepe J. Biol. & Chem, vol.42, no.3, pp.351-359, 2014 (Peer-Reviewed Journal)

XI. **Effects of 4 tert Octylphenol during Pregnancy Period on Infanticidal Behavior in Rats**
GÖKTEKİN E., BARLAS N.
Hacettepe J. Biol. & Chem., pp.371-376, 2012 (Peer-Reviewed Journal)

Books & Book Chapters

I. **PHTHALATES: ENVIRONMENTAL AND HEALTH EFFECTS**
Aydoğan Ahbab M. (Editor), Barlas N. (Editor)
NOVA Science Publishers Inc. , New York, 2022

II. **Reproductive and Developmental Effects of Phthalates**
KARABULUT G., BARLAS N.
in: Phthalates: Environmental and Health Effects,, Müfide Aydoğan AHBAB, Nurhayat BARLAS, Editor, Nova Science Publishers, New York, pp.173-9, 2022

III. **Endokrin Bozucular**
ERCAN O., DARCAN Ş., ORBAK Z., İŞGÜVEN Ş. P., AKIN L., DEMİR K., DOĞAN D., ERKEKOĞLU Ü. P., BARLAS N., KOÇER B., et al.
in: Çocuk Endokrinolojisinde Uzlaşı, Prof.Dr.Nurçin Saka, Prof.Dr.Teoman Akçay, Editor, Nobel Tıp Kitabevi, pp.141-152, 2015

Refereed Congress / Symposium Publications in Proceedings

I. **Nanoscopic structure analysis of dorsal skin samples in wound healing rat model by using spider silk material.**
Karahisar Turan S., Kiliç Süloğlu A., Türkeş T., Ide S., Barlas N.
FEBS congess 3-8 July Ljubliana Slovenia, Ljubljana, Slovenia, 3 - 08 July 2021, vol.11, pp.103-507

II. **Wound Healing Effect of Aloe Vera Coated Spider Silk in Rat Dorsal Skin Flap Model: A Histopathological and Biochemical Evaluation,**
Karahisar Turan S., Kılıç Süloğlu A., Türkeş T., İde S., Barlas N.
European Biotechnology Congress 2021 , Sofija, Bulgaria, 23 - 25 November 2021, pp.14

III. **Endokrin Bozucu Kimyasallar Olarak Parabenler Ve Toksik Etkileri**
BARLAS N.
Endokrin Bozucular ve Çocuk Sağlığı sempozyumu, Lokman Hekim Üniversitesi, Ankara, Turkey, 20 December 2020

IV. **In vitro investigation of Argiope bruennichi derived spider silk materials**
KARAHİSAR TURAN S., KILIÇ SÜLOĞLU A., TÜRKEŞ T., İDE S., BARLAS N.
XXVII. Balkan Clinical Laboratory Federation Meeting BCLF 2019 XXX. National Congress of the Turkish Biochemical Society TBS, Antalya, Turkey, 27 - 31 October 2019, vol.44

V. **The Investigation of Genotoxic Effects of Di (2-Ethylhexyl)-Phthalate (DEHP) at Pre-Pubertal Male Rats.**
BARLAS N., KARABULUT G.
1st International Health Science and Life Congress 02-05 May 2018, Burdur / TURKEY, 2 - 05 May 2018

VI. **Morphological, hematological and histopathological effects of propyl paraben on endocrine glands of male rats at prepubertal period**

COŞKUN N., İNKAYA E. N., ÖZDEMİR E., BARLAS N.
7th International Congress on Molecular Biology and Biotechnology, 25 - 27 April 2018

VII. **The effects of monoethyl hexyl phthalate (MEHP) and monobutyl phthalate (MBP) at INS-1 pancreatic beta cells**
KARABULUT G., BARLAS N.
7th International Congress on Molecular Biology and Biotechnology, 25 - 27 April 2018

VIII. **Endokrin ve Metabolik Hastalıklar, Tanıdan Tedaviye Biyobelirteçler"**
Barlas N., Ulusu N.
III. Türkiye in vitro Diyagnostik Sempozyumu, İzmir, Turkey, 28 February - 02 March 2018, pp.87-93

IX. **DEHP'nin Eser Elementler ve Biyokimyasal Parametreler Üzerine Etkileri**
AYDEMİR D., KARABULUT G., ŞİMŞEK G., BARLAS N., ULUSU N. N.
International Biochemistry Congress, Erzurum, Turkey, 19 - 23 September 2017

X. **An Investigation of the Antiandrogenic Effects of Propyl paraben on Male Reproductive System**
BARLAS N., ÖZDEMİR E.
10th World Congress, Seattle, SEATTLE, United States Of America, 20 - 24 August 2017, vol.6

XI. **Assessing Antiandrogenic Effects of Propyl Paraben Using the Hershberger Bioassay**
ÖZDEMİR E., BARLAS N.
3rd International Conference on Engineering and Natural Sciences, 3 - 07 May 2017

XII. **Kozmetik ürünlerde antimikrobiyal koruyucu olarak kullanılan propil parabenin erkek üreme sistemi üzerindeki antiandrojenik etkilerinin araştırılması**
ÖZDEMİR E., BARLAS N.
7. kozmetik Kimyası Üretimi ve Standardizasyonu Kongresi, Antalya, Turkey, 24 - 26 February 2017, pp.1-76

XIII. **Investigation of genotoxic effects of butylparaben (butyl 4-hydroxybenzoate) on pubertal male rats**
Oztasci B., Barlas N.
52nd Congress of the European-Societies-of-Toxicology (EUROTOX), Sevilla, Spain, 4 - 07 September 2016, vol.258

XIV. **A dose response study following in vivo exposure to di 2 ethylhexyl phthalate DEHP Histologic immunohistochemical morphometric and hormonal effects on reproductive organs in pubertal male rats**
KARABULUT G., ÖZTAŞCI B., BARLAS N.
2nd International Congress of Forensic Toxicology , Ankara, Turkey, 26 - 30 May 2016

XV. **Histopathological and Immunohistochemical effects of myricetin on liver kidney and endocrine glands of male rats at prepubertal period**
KARABULUT G., ÖZTAŞCI B., BARLAS N.
2nd International Congress of Forensic Toxicology, 26 - 30 May 2016

XVI. **Bıochemıcal And Hıstopathologıcal Effects Of In Utero Exposure Dı-N-Hexyl Phthalate And Dıcyclohexyl Phthalate In Prepubertal, Pubertal and Adult Stagesof Wıstar Female And Male Albıno Rats**
Audoğan Ahbab M., Barlas N., Karabulut G.
1st International Congress and Workshop of Forensic Toxicology, Ankara, Turkey, 07 November 2014, pp.88-89

XVII. **Bazı Fitoöstrojenik Bileşiklerin Wistar Dişi Sıçanlarda Hematolojik ve Histopatolojik Etkilerinin Uterotrofik Yöntemle Belirlenmesi.**
Barlas N.
22. Ulusal Biyoloji Kongresi (Uluslararası Katılımlı), 23-27 Haziran, Eskişehir Osmangazi Üniversitesi, Eskişehir, Eskişehir, Turkey, 23 - 27 June 2014, pp.190-191

XVIII. **Di-n-hexyl fitalat ve Dicyclohexyl Maruziyetin Plasenta Üzerindeki Etkilerin İncelenmesi,**
Aydoğan Ahbab M., Güven C., Koçkaya E. A., Barlas N.
25. Ulusal Biyofizik Kongresi, 24-27 Eylül, Trabzon., Trabzon, Turkey, 24 - 27 September 2013, pp.1101

XIX. **Myricetinin Peripubertal Dönemdeki Erkek Sıçanlarda Tiroid-Gonadal Eksen Üzerindeki Etkilerinin Araştırılması**
Okan Oflamaz A., Barlas N.
21. Ulusal Biyoloji Kongresi, 3-7 Eylül 2012, İZMİR, İzmir, Turkey, 3 - 07 September 2012, pp.102

XX. **Bioacumulation of Heavy Metals Through The Food Chain and Amount of Residues in Soil and Aquatic Systems in Turkey.**
Barlas N.
The 4th Congress of Toxicology in Developing Countries. , Antalya, Turkey, 6 - 10 November 1999, pp.20-21

XXI. **Determination of possible genotoxic effects of sub-acute exposure to bisphenol A and 4-tert-octylphenol by Comet assay in rats**
ULUTAŞ O. K., Yildiz N., DURMAZ E., Aydogan M., BARLAS N., ÇOK İ.
46th Congress of the European-Societies-of-Toxicology, Dresden, Germany, 13 - 16 September 2009, vol.189

XXII. **The role of vitamin C on endocrine disrupters bisphenol A, nonylphenol and octylphenol induced brain damages of male rats**
Aydogan M., Korkmaz A., BARLAS N., Kolankaya D.
45th Congress of the European-Societies-of-Toxicology, Rhodes, Greece, 5 - 08 October 2008, vol.180

XXIII. **Histopathologic Effects on the Hypophysis, Adrenal, Pancreas, Thyroid and Parathyroid Glands of Adult Male and Female Rats Exposed Maternally to 4-Tert-Octylphenol**
Göktekin E., Barlas N.
44th Congress of the European Socıeties of Toxicology, Amsterdam, Netherlands, 7 - 10 October 2007, pp.209

XXIV. **Effects of Maternal 4-Tert-Octylphenol Exposure on Hematology and Histopathology of the Liver, Kidney and Spleen of Adult Female Mice.**
Aydoğan Ahbab M., Barlas N.
44th Congress of the European Socıeties of Toxicology, Amsterdam, Netherlands, 7 - 10 October 2007, pp.177

XXV. **Hematologic, Biochemical And Histopathologic Effects On The Kidney, Liver And Spleen Of Adult Male Rats Exposed Maternally To 4-Tert-Octylphenol**
Aydoğan M., Barlas N.
4th European Conference on Pesticides and Related Organic Micropollutants in the Environment" and "10th Symposium on Chemintry and Fate of Modern Pesticides, Almería, Spain, 26 - 29 November 2006, pp.255-257

XXVI. **Effects of maternal 4-tert –octylphenol exposure on reproductive tract of male rats at adulthood**
Barlas N.
International Congress of Turkish Society of Toxicology “Chemical Safety and Toxicology, Antalya, Turkey, 2 - 05 November 2006, pp.40

XXVII. **Effects of maternal 4-tert –octylphenol on reproductive tract of male rats at adulthood**
Aydoğan M., Barlas N.
Framing the future in light of the past: living in a chemical world., Bologna, Italy, 18 - 21 September 2005, pp.68

XXVIII. **The contamination Levels of Organochlorine Pesticide in water and sediment samples in Uluabat Lake, Turkey**
Barlas N., Çok İ., Akbulut N.
3nd European Conference of Pesticides and Related Organic Micropollutants in the Environment, Halkida, Greece, 7 - 10 October 2004, pp.158

XXIX. **Comparison of Organochlorine Pesticide Levels in water and sediment samples in Uluabat Lake, Turkey.**
Barlas N., Çok İ., Akbulut N.
5th International Congress of Turkish Society of Toxicology, Antalya, Turkey, 30 October - 02 November 2003, pp.284

XXX. **Immunidentification of fibronectin and the transforming growth factor -β1 (TGF) -β1 in the thyroid, parathyroid and adrenal glands of male rats treated with carbendazim**
Koçkaya E. A., Hayretdağ S., Barlas N., Selmanoğlu G.
Eurotox 2001, 1-154, 2001., İstanbul, Turkey, 13 - 16 September 2001, vol.23, no.1, pp.1-154

XXXI. **Determination of organochlorine pesticide residues in water and sediment samples in inner Anatolia**
Barlas N.
Eurotox 2001, İstanbul, Turkey, 13 - 16 September 2001, vol.123, pp.1-154

XXXII. **Effects on Liver and Kidney Tissue and Hematological Parameters of Male Rats Administered Chronic Sublethal Doses of Carbendazin.**

Selmanoğlu G., Barlas N., Koçkaya E. A., Hayretdağ S.
The 4th Congress of Toxicology in Developing Countries., Antalya, Turkey, 6 - 10 November 1999, pp.10-11

XXXIII. **Toxicological Effects of Carbendazin on Endocrine Glands and Some Hormone Levels in Male Rats.**
Barlas N., Koçkaya E. A., Selmanoğlu G., Hayretdağ S.
The 4th Congress of Toxicology in Developing Countries., Antalya, Turkey, 6 - 10 November 1999, pp.50-51

XXXIV. **Histopathological Effects of the Residuel Maneb and Zineb in Lettuces on the Liver and Kidney of Albino mice**
Mocan Kuzey G., Barlas N., Kolankaya D.
. E.A.P.C.C.T. XV Congress, İstanbul, Turkey, 24 - 27 May 1992, pp.150-151

XXXV. **Histopathological Effects of Malathion and Degradation Products**
Barlas N., Kolankaya D.
E.A.P.C.C.T. XV Congress, İstanbul, Turkey, 24 - 27 May 1992, pp.155-156

Supported Projects

BARLAS N., KARABULUT G., KILIÇ SÜLOĞLU A., KARAHİSAR TURAN S., İNKAYA E. N., KOÇER Z. A., Project Supported by Higher Education Institutions, Balb/c Farelerde Perflorooktan Sülfonik Asit ve Perflorooktanoik Asit Maruziyetinin İnterlökin17 Sinyal Yolağı ve İndüklenmiş Akciğer Hasarı Üzerine Etkilerinin İncelenmesi, 2022 - Continues

YOLAÇANER E., BARLAS N., İNKAYA N. N., İNKAYA E. N., Project Supported by Higher Education Institutions, Nar Kabuğu Ekstraktı ve Propolis Ekstraktı Karışımının Biyoyararlanımının Belirlenmesi ve A549 Hücrelerinde Koruyucu Etkisinin Değerlendirilmesi, 2022 - Continues

BARLAS N., Project Supported by Higher Education Institutions, Di (2-etilhekzil) Fitalatın Pubertal Dönemdeki Erkek Sıçanlarda Genotoksik ve Biyokimyasal Etkilerinin Araştırılması, 2014 - Continues

BARLAS N., İnkaya E. N., Tokgöz E., Project Supported by Higher Education Institutions, Erkek Sıçanlarda Nonilfenolün Hipotalamus-Hipofiz-Adrenal Ekseni ve Epifiz Bezi Üzerine Etkilerinin İncelenmesi, 2021 - 2023

Barlas N., Koçkaya E. A., Project Supported by Higher Education Institutions, Endokrin Bozucu Bileşiklerden TetrabromobisfenolA nın Gebe Sıçanlara Etkisinin Araştırılması., 2021 - 2022

BARLAS N., İDE S., KILIÇ SÜLOĞLU A., KARAHİSAR TURAN S., TÜRKEŞ T., İDE T., Project Supported by Higher Education Institutions, Argiope bruennichi Örümcek İpeği Temelli Yeni Tasarım Biyomalzemenin İnce Yapısının Sitotoksik Etkisinin ve Medikal Kullanım Olanaklarının in vitro ve in vivo Olarak Araştırılması, 2018 - 2022

BARLAS N., İNKAYA E. N., COŞKUN N., Project Supported by Higher Education Institutions, Sıçanlarda Bisfenol A ile İndüklenen Polikistik Over Sendromuna Karşı Floretinin Koruyucu Etkilerinin Araştırılması, 2019 - 2020

BARLAS N., İNKAYA E. N., COŞKUN N., Project Supported by Higher Education Institutions, Erkek Sıçanlarda Metil Paraben ve Propil Parabenin Birlikte Etkisinin HipofizAdrenal Ekseni Üzerinde İncelenmesi, 2018 - 2019

BARLAS N., ÖZDEMİR E., Project Supported by Higher Education Institutions, Propil parabenin Olgunlaşmamış Erkek Sıçanlarda Antiandrojenik Etkilerinin Araştırılması, 2017 - 2017

BARLAS N., Project Supported by Higher Education Institutions, Toksikolojik Çalışmalarda Hayvan Kullanımına Alternatif Metodlar, 2017 - 2017

BARLAS N., Project Supported by Higher Education Institutions, Toksikolojideki Son Gelişmeler, 2016 - 2016

BARLAS N., Öztaşcı B., Project Supported by Higher Education Institutions, Bütilparabenin Butyl 4hydroxybenzoate pubertal dönemdeki erkek sıçanlarda genotoksik etkilerinin araştırılması, 2015 - 2016

BARLAS N., Project Supported by Higher Education Institutions, Araştırma sonuçlarının gelişmiş program ve bilgisayarlar ile değerlendirilmesi, 2015 - 2016

BARLAS N., Project Supported by Higher Education Institutions, Ksenobiyotik Metabolizması ve Toksikolojideki Son Gelişmeler, 2015 - 2015

BARLAS N., Kaçamak P., Karabulut G., Project Supported by Higher Education Institutions, Tetrabromobisfenol Anın Hs 578Bst İnsan Meme Hücre Hattı üzerindeki Sitotoksik ve Genotoksik Etkilerinin İncelenmesi, 2015 - 2015

BARLAS N., Project Supported by Higher Education Institutions, Toksikolojik çalışmalar için yeni yöntem ve çalışmaların izlenmesi ve öğrenilmesi, 2015 - 2015

BARLAS N., TUBITAK Project, Bitkisel Besinlerin Bileşiminde Bulunan Bazı Kimyasal Maddelerin Fitoöstrojenik

Potansiyellerinin Belirlenmesi ve Endokrin Bozucu Etkilerinin Araştırılması, 2011 - 2012
Barlas N., Project Supported by Higher Education Institutions, Prenatal Dönemde Dihekzil Fitalata Maruziyetin Erkek Sıçanların Endokrin Sistemi Üzerindeki Etkilerinin İncelenmesi, 2010 - 2011
Barlas N., Project Supported by Higher Education Institutions, Çevresel Östrojenlerden Bisfenol A ve Oktilfenolün Erkek Sıçanlarda Subkronik Etkileri, 2007 - 2009
Barlas N., Aydoğan M., TUBITAK Project, Sıçanlarda prenatal dönemde dihekzil fitalat disiklohekzil fitalata maruziyetin sistemik düzeydeki etkilerinin biyokimyasal ve histopatolojik olarak araştırılması, 2005 - 2008
Barlas N., Aydoğan M., Project Supported by Higher Education Institutions, Çevresel Östrojenlerden P- Tert Oktilfenolün Erkek Sıçanların Üreme Sistemi Üzerindeki Toksik Etkilerinin Araştırılması, 2003 - 2004
Barlas N., Demirsoy A., Gür H., Kart M., TUBITAK Project, Spermophilus xanthoprymnus BENNET'in Biyolojisi ve Davranışsal-Biyokimyasal Açıdan Hibernasyonunun İncelenmesi, 1999 - 2001
Barlas N., Selmanoğlu G., Koçkaya E. A., Hayretdağ S., TUBITAK Project, Karbendazimin Sıçanların Endokrin Sistem Üzerine Etkilerinin Biyokimyasal ve Histopatolojik Olarak Araştırılması, 1998 - 1999
Barlas N., TUBITAK Project, Sakarya Havzasında Bazı Çevre Kirleticilerinin Çeşitli Ortam ve Organizmalarda Birikimi, ve Balıklar Üzerindeki Toksik Etkilerinin Araştırılması. , 1995 - 1997
Barlas N., Ayaş Z., Kolankaya D., TUBITAK Project, Göksu Deltasında Bazı Çevre Kirleticilerinin Saptanması ve Biyoindikatör Su Kuşlarındaki Etkilerinin Araştırılması. , 1991 - 1993

Memberships / Tasks in Scientific Organizations

• Avrupa Toksikoloji Dernekleri Federasyonu (EUROTOX, Member, 2002 - Continues, Belgium
Türk Toksikoloji Derneği, Member, 1999 - Continues, Turkey

Scientific Refereeing

Toxicology and Industrial health, SCI Journal, February 2017

Metrics

Publication: 93
Citation (WoS): 1030
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H-Index (WoS): 19
H-Index (Scopus): 21

Awards

Barlas N., In Recognition Of Excellent And Creative Efforts To Inven, A TISSUE REPAIR MATERIAL, , 3- Istanbul International Inventions Fair Isıf'19 (Türk Patent) Invention, R&D And Innovation 17-22 September 2019, Teknofest 3'Lük Ödülü, , September 2019
Barlas N., 2- Kozmetik Ürünlerde Antimikrobiyal Koruyucu Olarak Kullanılan Propil Parabenin Erkek Üreme Sistemi Üzerindeki Antiandrojenik Etkilerinin Araştırılması , .Kozmetik Kimyası Üretimi Ve Standardizasyonu Kongresi, 24-26 Şubat 2017 Antalya. Birincilik Ödülü, February 2017
Barlas N., 2013 YILI Bilimsel Telif Ve Çeviri Eser Ödülleri, Türkiye Bilimler Akademisi , May 2013