

# Prof. BÜLENT KAYA

## Personal Information

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## International Researcher IDs

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Publons / Web Of Science ResearcherID: C-1844-2016

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## Education Information

Doctorate, Akdeniz University, Fen Bilimleri, Biyoloji, Turkey 1995 - 1999

Postgraduate, Akdeniz University, Institute of Science, Biyoloji, Turkey 1992 - 1995

Undergraduate, Sivas Cumhuriyet University, Fen Edebiyat Fakültesi, Biyoloji, Turkey 1988 - 1992

## Foreign Languages

English, B2 Upper Intermediate

## Certificates, Courses and Trainings

Education Management and Planning, Deney Hayvanı Kullanım Sertifikası, Akdeniz Üniversitesi, 2011

Education Management and Planning, HPLC, Gazi üniversitesi, 1995

## Dissertations

Doctorate, BAZI PESTİSİTLERİN DROSOPHİLA MELANOGASTER HATLARINDA MUTAJENİK VE REKOMBİNOJENİK ETKİLERİNİN ARAŞTIRILMASI, Akdeniz University, Fen Bilimleri, Biyoloji, 1999

Postgraduate, 2,4-D ve 4-CPA'nın Drosophila melanogaster'in F1, F2 ve F3 Döllerinde Yaşama, Gelişme ve Eşey Oranına Etkileri, Akdeniz University, Fen Bilimleri, Biyoloji, 1995

## Research Areas

Life Sciences, Environmental Biology, Ecotoxicology, Molecular Biology and Genetics, Cytogenetic, Natural Sciences

## Academic Titles / Tasks

Professor, Akdeniz University, Faculty of Science, Department of Biology, 2010 - Continues  
Associate Professor, Akdeniz University, Faculty of Science, Department of Biology, 2004 - 2010  
Assistant Professor, Akdeniz University, Faculty of Science, Department of Biology, 2000 - 2004  
Lecturer PhD, Akdeniz University, Faculty of Science, Department of Biology, 1999 - 2000  
Research Assistant, Akdeniz University, Institute of Science, Institute of Science, 1992 - 1999

## Academic and Administrative Experience

Member of the Senate, Akdeniz University, 2020 - 2023  
Head of Department, Akdeniz University, 2017 - 2020  
Akdeniz University, 2016 - 2017  
Akdeniz University, 2004 - 2017

## Supervised Theses

Kaya B., FARKLI ZİNCİR UZUNLUKLARINA VE YAPILARINA SAHİP KUATERNER AMONYUM SİLAN BİLEŞİKLERİNİN TOKSİK ETKİLERİNİN DROSOPHILA MELANOGASTER'DA DEĞERLENDİRİLMESİ, Doctorate, G.TAGORTI(Student), 2024  
Kaya B., Drosophila melanogaster'de DEMİR BAZLI METALİK-MANYETİK NANOPARTİKÜLLERİN ETKİLERİNİN ARAŞTIRILMASI, Postgraduate, A.YAĞMUR(Student), 2022  
Kaya B., Farklı formlardaki nanohidroksiapatitlerin sitotoksik ve genotoksik etkilerinin araştırılması, Doctorate, M.GÜNEŞ(Student), 2022  
Kaya B., İnsektisit formülasyonlarında farklı oranlarda bulunan düşürücü ve sinerjist etkili madde kombinasyonlarının genotoksik etkileri, Postgraduate, H.ERTUĞRUL(Student), 2019  
Kaya B., Bazı fungusitlerin genotoksik etkilerinin Drosophila smart yöntemi ile araştırılması, Postgraduate, Ö.SAYGIN(Student), 2019  
Kaya B., MgO ve CeO<sub>2</sub> nanopartiküllerinin ve iyonik formlarının genotoksik etkilerinin drosophila smar testi ile araştırılması, Postgraduate, B.YALÇIN(Student), 2017  
KAYA B., Gümüş ve kobalt nanopartiküllerinin ve iyonik formlarının genotoksik potansiyellerinin komet yönetimi ile araştırılması, Postgraduate, S.Aksakal(Student), 2014  
KAYA B., Resveratrol'ün DROSOPHILA MELANOGASTER'de antigenotoksik etkilerinin araştırılması, Postgraduate, F.Turna(Student), 2012  
KAYA B., Ayçiçek ve soya yağlarının kızartma ve kaynatma ürünlerinin Drosophila Melanogaster'de genotoksik etkilerinin araştırılması, Doctorate, E.Demir(Student), 2011  
KAYA B., İki heterosiklik amin'in genotoksitesine karşı klorofil A ve klorofil B'nin drosophila kanat somatik mutasyon ve rekombinasyon testi ile koruyucu etkilerinin araştırılması, Doctorate, S.Kocaoğlu(Student), 2010  
KAYA B., Bazı benzil türevlerinin Drosophila Melanogaster'de mutajenik ve rekombinojenik etkilerinin araştırılması, Postgraduate, E.Demir(Student), 2006  
KAYA B., Bazı antidepressant ilaçların drosophila melanogaster'de mutajenik ve rekombinojenik etkilerinin araştırılması, Postgraduate, S.Kocaoğlu(Student), 2004

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

- Polystyrene nanoplastics exacerbate gentamicin-induced nephrotoxicity in adult rat by activating oxidative stress, inflammation and apoptosis pathways**  
Boukholda K, Elweja A, Slimen S. B., Mhadhbi A., Marrekchi R., Boudawara O., KAYA B., Bouchard M., Fetoui H. Naunyn-Schmiedeberg's Archives of Pharmacology, 2025 (SCI-Expanded)
- Antigenotoxic and Life-Prolonging Effects of Flavoured Kombuchas on Drosophila melanogaster**  
Burgazlı A. Y., Tagorti G., Yalçın B., Güneş M., Eroğlu B., Delik E., Tefon Öztürk B. E., Kaya B.

Food Technology and Biotechnology, vol.62, no.2, pp.133-139, 2024 (SCI-Expanded)

- III. **In vivo assessment of the toxic impact of exposure to magnetic iron oxide nanoparticles (IONPs) using *Drosophila melanogaster***  
Güneş M., Aktaş K., Yalçın B., Burgazlı A. Y., Asiltürk M., ERDEM ÜNŞAR A., KAYA B.  
Environmental Toxicology and Pharmacology, vol.107, 2024 (SCI-Expanded)
- IV. **Alcohol-free synthesis, biological assessment, in vivo toxicological evaluation, and in silico analysis of novel silane quaternary ammonium compounds differing in structure and chain length as promising disinfectants**  
Tagorti G., Yalçın B., Güneş M., Burgazlı A. Y., Kuruca T., Cihanoğlu N., AKARSU E., KAYA N., Marcos R., KAYA B.  
Journal of Hazardous Materials, vol.466, 2024 (SCI-Expanded)
- V. **Comparative evaluation of natural and artificial sweeteners from DNA damage, oxidative stress, apoptosis, to development using *Drosophila melanogaster***  
Tagorti G., Yalçın B., Güneş M., Burgazlı A. Y., KAYA B.  
Drug and Chemical Toxicology, vol.47, no.5, pp.606-617, 2024 (SCI-Expanded)
- VI. **Morphologically different hydroxyapatite nanoparticles exert differential genotoxic effects in *Drosophila***  
Güneş M., Yalçın B., Burgazlı A. Y., Tagorti G., Yavuz E., AKARSU E., KAYA N., Marcos R., KAYA B.  
Science of the Total Environment, vol.904, 2023 (SCI-Expanded)
- VII. **Genotoxic and genoprotective effects of phytoestrogens: a systematic review**  
Tagorti G., Yalçın B., Güneş M., Burgazlı A. Y., Kaya B.  
DRUG AND CHEMICAL TOXICOLOGY, vol.46, no.4, pp.1-13, 2023 (SCI-Expanded)
- VIII. **Computational assessment of the biological response of curcumin to type 2 diabetes mellitus induced by metal exposure**  
Tagorti G., Yalçın B., Güneş M., Burgazlı A. Y., Kaya B.  
TOXICOLOGY, vol.491, pp.153531, 2023 (SCI-Expanded)
- IX. **Genotoxic potential of different nano-silver halides in cultured human lymphocyte cells**  
Güzel D., Güneş M., Yalçın B., AKARSU E., Rencüzoğulları E., KAYA B.  
Drug and Chemical Toxicology, vol.46, no.4, pp.768-780, 2023 (SCI-Expanded)
- X. **Genotoxic hazard assessment of cerium oxide and magnesium oxide nanoparticles in *Drosophila***  
Yalçın B., Güneş M., Kurşun A. Y., Kaya N., Marcos R., Kaya B.  
NANOTOXICOLOGY, vol.16, no.1, pp.1-15, 2022 (SCI-Expanded)
- XI. **Genotoxic assessment of cerium and magnesium nanoparticles and their ionic forms in *Eisenia hortensis* coelomocytes by alkaline comet assay**  
Güneş M., Yalçın B., Muddassır M. A., Çiğerci İ. H., Kaya B.  
MICROSCOPY RESEARCH AND TECHNIQUE, vol.1, no.1, pp.1-9, 2022 (SCI-Expanded)
- XII. **Effects of Chlorophyll a and b in Reducing Genotoxicity of 2-Amino-3,8-dimethylimidazo[4,5-F]quinoxaline (MeIQx)**  
Kocaoğlu Cenkcı S., Kaya B.  
BIOLOGY-BASEL, vol.11, no.4, pp.1-13, 2022 (SCI-Expanded)
- XIII. **Genotoxic effect of microplastics and COVID-19: The hidden threat**  
Tagorti G., KAYA B.  
CHEMOSPHERE, vol.286, 2022 (SCI-Expanded)
- XIV. **An Evaluation of the Genotoxic Effects of Electromagnetic Radiation at 900 MHz, 1800 MHz, and 2100 MHz Frequencies with a SMART Assay in *Drosophila melanogaster***  
GÜNEŞ M., ATEŞ K., YALÇIN B., AKKURT S., ÖZEN Ş., KAYA B.  
ELECTROMAGNETIC BIOLOGY AND MEDICINE, vol.40, no.2, pp.254-263, 2021 (SCI-Expanded)
- XV. **Ameliorative effects of melatonin against nano and ionic cobalt induced genotoxicity in two *vivo Drosophila* assays**  
ERTUĞRUL H., YALÇIN B., GÜNEŞ M., KAYA B.  
DRUG AND CHEMICAL TOXICOLOGY, vol.43, no.3, pp.279-286, 2020 (SCI-Expanded)
- XVI. **Genotoxic Assessment of Different Sizes of Iron Oxide Nanoparticles and Ionic Iron in Earthworm**

**(Eisenia hortensis) Coelomocytes by Comet Assay and Micronucleus Test**

Cigerci I. H., Ali M. M., Kaygisiz S. Y., KAYA B., Liman R.

BULLETIN OF ENVIRONMENTAL CONTAMINATION AND TOXICOLOGY, vol.101, no.1, pp.105-109, 2018 (SCI-Expanded)

- XVII. **ASCORBIC ACID AMELIORATES GENOTOXIC EFFECTS OF COBALT NANOPARTICLES AND COBALT CHLORIDE IN IN VIVO DROSOPHILA ASSAYS**  
Güneş M., Yalçın B., Ertuğrul H., KAYA B.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.27, no.4, pp.2380-2391, 2018 (SCI-Expanded)
- XVIII. **In vivo genotoxic effects of four different nano-sizes forms of silica nanoparticles in Drosophila melanogaster**  
Demir E., Aksakal S., Turna F., KAYA B., Marcos R.  
JOURNAL OF HAZARDOUS MATERIALS, vol.283, pp.260-266, 2015 (SCI-Expanded)
- XIX. **EFFECTS OF TWO FUNGICIDES, CYPRODINIL AND FLUDIOXONIL, ON GENOTOXICITY IN DROSOPHILA SMART ASSAY AND ON PROLIFERATION AND VIABILITY OF HEK293 CELLS FROM THE PERSPECTIVE OF CARCINOGENESIS**  
Karadeniz A., KAYA B., Savaş B., TOPCUOĞLU Ş. F.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.24, no.5B, pp.1920-1925, 2015 (SCI-Expanded)
- XX. **THE COMET ASSAY USING RAINBOW TROUT (Oncorhynchus mykiss) FOR THE DETECTION OF NUTRIENT POLLUTION GENERATED FROM OVERFED FISH FARMS IN THE ESEN STREAM**  
DEMİR E., Turna F., Aksakal S., EMRE Y., EMRE N., YAGCI A., KAYA B.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.24, no.11, pp.3665-3671, 2015 (SCI-Expanded)
- XXI. **Genotoxic and cell-transforming effects of titanium dioxide nanoparticles**  
Demir E., Akca H., Turna F., Aksakal S., BURĞUCU D., KAYA B., Tokgun O., Vales G., Creus A., Marcos R.  
ENVIRONMENTAL RESEARCH, vol.136, pp.300-308, 2015 (SCI-Expanded)
- XXII. **EFFECTS OF TWO HERBICIDES, FLUAZYFOP-P-BUTYL AND FENOXAPROP-P-ETHYL, ON GENOTOXICITY IN DROSOPHILA SMART ASSAY AND ON PROLIFERATION AND VIABILITY OF HEK293 CELLS FROM THE PERSPECTIVE OF CARCINOGENESIS**  
Karadeniz A., KAYA B., Savaş B., TOPCUOĞLU Ş. F.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.24, no.6B, pp.2052-2056, 2015 (SCI-Expanded)
- XXIII. **DNA DAMAGE INDUCED BY SILICA NANOPARTICLE**  
KAYA N., Çakmak I., AKARSU E., KAYA B.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.24, no.12A, pp.4478-4484, 2015 (SCI-Expanded)
- XXIV. **ANTIGENOTOXIC EFFECTS OF RESVERATROL IN SOMATIC CELLS OF DROSOPHILA MELANOGASTER**  
Turna F., Aksakal S., DEMİR E., KAYA B.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.23, no.9, pp.2116-2125, 2014 (SCI-Expanded)
- XXV. **Genotoxic effects of zinc oxide and titanium dioxide nanoparticles on root meristem cells of Allium cepa by comet assay**  
Demir E., Kaya N., Kaya B.  
TURKISH JOURNAL OF BIOLOGY, vol.38, no.1, pp.31-39, 2014 (SCI-Expanded)
- XXVI. **GENOTOXICITY OF DIFFERENT SWEETENERS IN DROSOPHILA**  
DEMİR E., Turna F., Aksakal S., KAYA B., MARCOS R.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.23, no.12C, pp.3427-3433, 2014 (SCI-Expanded)
- XXVII. **In vivo Genotoxicity of Four Synthetic Pyrethroids with Combinations of Piperonyl Butoxide (PBO) Using the Drosophila SMART Assay**  
Demir E., KAYA B., KOCAOĞLU CENKÇİ S., ÇETİN H., Marcos R.  
EKOLOJİ, vol.23, no.92, pp.9-18, 2014 (SCI-Expanded)
- XXVIII. **Zinc oxide nanoparticles: Genotoxicity, interactions with UV-light and cell-transforming potential**  
Demir E., Akca H., KAYA B., Burgucu D., Tokgun O., Turna F., Aksakal S., Vales G., Creus A., Marcos R.  
JOURNAL OF HAZARDOUS MATERIALS, vol.264, pp.420-429, 2014 (SCI-Expanded)
- XXIX. **In vivo genotoxicity assessment of titanium, zirconium and aluminium nanoparticles, and their microparticulated forms, in Drosophila**

- Demir E., Turna F., Vales G., KAYA B., Creus A., Marcos R.  
CHEMOSPHERE, vol.93, no.10, pp.2304-2310, 2013 (SCI-Expanded)
- XXX. **DETERMINATION OF TiO<sub>2</sub>, ZrO<sub>2</sub>, AND Al<sub>2</sub>O<sub>3</sub> NANOPARTICLES ON GENOTOXIC RESPONSES IN HUMAN PERIPHERAL BLOOD LYMPHOCYTES AND CULTURED EMBRYONIC KIDNEY CELLS**  
Demir E., Burgucu D., Turna F., Aksakal S., KAYA B.  
JOURNAL OF TOXICOLOGY AND ENVIRONMENTAL HEALTH-PART A-CURRENT ISSUES, vol.76, no.16, pp.990-1002, 2013 (SCI-Expanded)
- XXXI. **Genotoxicity of cobalt nanoparticles and ions in Drosophila**  
Vales G., Demir E., Kaya B., Creus A., Marcos R.  
NANOTOXICOLOGY, vol.7, no.4, pp.462-468, 2013 (SCI-Expanded)
- XXXII. **Mutagenic/recombinogenic effects of four lipid peroxidation products in Drosophila**  
Demir E., Turna F., KAYA B., Creus A., Marcos R.  
FOOD AND CHEMICAL TOXICOLOGY, vol.53, pp.221-227, 2013 (SCI-Expanded)
- XXXIII. **Investigation of the genotoxic and antigenotoxic properties of essential oils obtained from two Origanum species by Drosophila wing SMART assay**  
Demir E., KAYA B., Marcos R., KOCAOĞLU CENKÇİ S., ÇETİN H.  
TURKISH JOURNAL OF BIOLOGY, vol.37, no.2, pp.129-138, 2013 (SCI-Expanded)
- XXXIV. **GENOTOXICITY OF DIFFERENT NANO-SIZES AND IONS OF SILICA NANOPARTICLES**  
Demir E., Turna F., Burgucu D., Kılıç Z., Burunkaya E., Kesmez Ö., Yesil Z., AKARSU M., KAYA B.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.22, no.10, pp.2901-2909, 2013 (SCI-Expanded)
- XXXV. **STUDIES ON THE GENOTOXIC PROPERTIES OF FOUR BENZYL DERIVATIVES IN THE IN VIVO COMET ASSAY USING HAEMOCYTES OF DROSOPHILA MELANOGASTER**  
Demir E., KAYA B.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.22, no.5A, pp.1590-1596, 2013 (SCI-Expanded)
- XXXVI. **Antigenotoxic Activities of Ascorbic acid, Chlorophyll a, and Chlorophyll b in Acrolein and Malondialdehyde-Induced Genotoxicity in Drosophila melanogaster**  
Demir E., KAYA B., KOCAOĞLU CENKÇİ S.  
EKOLOJİ, vol.22, no.88, pp.36-42, 2013 (SCI-Expanded)
- XXXVII. **The effect of narrowed segment length on the degree of early postoperative dysphagia in laparoscopic Nissen fundoplication**  
Altun H., Akyuz U., Banlı O., Karakoyun R., Onur E., Okuducu M., Karip A. B., Baskent A., Kaya B., Memisoglu K.  
TURKISH JOURNAL OF GASTROENTEROLOGY, vol.23, no.6, pp.676-680, 2012 (SCI-Expanded)
- XXXVIII. **Genotoxicity studies in the ST cross of the Drosophila wing spot test of sunflower and soybean oils before and after frying and boiling procedures**  
Demir E., Marcos R., KAYA B.  
FOOD AND CHEMICAL TOXICOLOGY, vol.50, no.10, pp.3619-3624, 2012 (SCI-Expanded)
- XXXIX. **GENOTOXIC EVALUATION OF THE DISINFECTION BY-PRODUCTS MUCOCHLORIC AND MUCOBROMIC ACIDS IN DROSOPHILA MELANOGASTER**  
Demir E., KAYA B., Creus A., Marcos R.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.21, no.12A, pp.3864-3868, 2012 (SCI-Expanded)
- XL. **Genotoxic analysis of four lipid-peroxidation products in the mouse lymphoma assay**  
Demir E., KAYA B., Soriano C., Creus A., Marcos R.  
MUTATION RESEARCH-GENETIC TOXICOLOGY AND ENVIRONMENTAL MUTAGENESIS, vol.726, no.2, pp.98-103, 2011 (SCI-Expanded)
- XLI. **Effects of two plant growth regulators, indole-3-acetic acid and beta-naphthoxyacetic acid, on genotoxicity in Drosophila SMART assay and on proliferation and viability of HEK293 cells from the perspective of carcinogenesis**  
Karadeniz A., KAYA B., Savaş B., TOPCUOĞLU Ş. F.  
TOXICOLOGY AND INDUSTRIAL HEALTH, vol.27, no.9, pp.840-848, 2011 (SCI-Expanded)
- XLII. **Genotoxic analysis of silver nanoparticles in Drosophila**  
Demir E. R., Vales G., KAYA B., Creus A., Marcos R.

NANOTOXICOLOGY, vol.5, no.3, pp.417-424, 2011 (SCI-Expanded)

- XLIII. **EVALUATION OF DNA DAMAGE IN CAPSICUM ANNUUM L. EXPOSED TO SPINOSAD IN THE COMET ASSAY**  
Demir E., KAYA N., KAYA B.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.20, no.8, pp.1926-1930, 2011 (SCI-Expanded)
- XLIV. **Induction of adaptive response in Drosophila after exposure to low doses of UVB**  
Demir E., Kocaoglu S., KAYA B., Marcos R.  
INTERNATIONAL JOURNAL OF RADIATION BIOLOGY, vol.86, no.11, pp.957-963, 2010 (SCI-Expanded)
- XLV. **Assessment of genotoxicity of spinosad on Capsicum annuum using the comet assay**  
KAYA N., Kocaoglu S., KAYA B.  
TOXICOLOGY LETTERS, vol.196, 2010 (SCI-Expanded)
- XLVI. **In vivo genotoxicity testing of four synthetic pyrethroids with combinations piperonyl butoxide in the Drosophila SMART assay**  
KAYA B., Demir E., Kocaoglu S., ÇETİN H., Marcos R.  
TOXICOLOGY LETTERS, vol.196, 2010 (SCI-Expanded)
- XLVII. **Assessment of genotoxic effects of benzyl derivatives by the comet assay**  
Demir E., Kocaoglu S., Kaya B.  
FOOD AND CHEMICAL TOXICOLOGY, vol.48, no.5, pp.1239-1242, 2010 (SCI-Expanded)
- XLVIII. **Insecticidal Activity of Some Synthetic Pyrethroids with Different Rates of Piperonyl Butoxide (PBO) Combinations on Drosophila melanogaster (Diptera: Drosophilidae)**  
ÇETİN H., Demir E., Kocaoglu S., KAYA B.  
EKOLOJİ, vol.19, no.75, pp.27-32, 2010 (SCI-Expanded)
- XLIX. **ANTIGENOTOXIC PROPERTIES OF CHLOROPHYLLIN AND CHLOROPHYLLS IN THE DROSOPHILA WING SPOT TEST**  
Demir E., Kocaoglu S., KAYA B.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.19, no.12B, pp.3131-3138, 2010 (SCI-Expanded)
- L. **Antigenotoxic Effects of Citrus aurantium L. Fruit Peel Oil on Mutagenicity of Two Alkylating Agents and Two Metals in the Drosophila Wing Spot Test**  
Demir E., Kocaoglu S., ÇETİN H., Kaya B.  
ENVIRONMENTAL AND MOLECULAR MUTAGENESIS, vol.50, no.6, pp.483-488, 2009 (SCI-Expanded)
- LI. **Genotoxicity testing of four benzyl derivatives in the Drosophila wing spot test**  
Demir E., Kocaoglu S., Kaya B.  
FOOD AND CHEMICAL TOXICOLOGY, vol.46, no.3, pp.1034-1041, 2008 (SCI-Expanded)
- LII. **PROTECTION AGAINST ULTRAVIOLET B-INDUCED GENOTOXICITY BY THE CHLOROPHYLLIN IN Drosophila melanogaster**  
Demir E., Kocaoglu S., Kaya B.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.17, no.12B, pp.2187-2192, 2008 (SCI-Expanded)
- LIII. **PROTECTIVE EFFECTS OF CHLOROPHYLL AGAINST THE GENOTOXICITY OF UVB IN Drosophila SMART ASSAY**  
Demir E., Kocaoglu S., Kaya B.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.17, no.12B, pp.2180-2186, 2008 (SCI-Expanded)
- LIV. **Analysis of UV-stimulated recombination in the drosophila SMART assay**  
Kaya B., Kocaoglu S., Demir E.  
ENVIRONMENTAL AND MOLECULAR MUTAGENESIS, vol.47, no.5, pp.357-361, 2006 (SCI-Expanded)
- LV. **Mutagenic and cancer promoter effects of plant growth regulators IAA and BNOA**  
Karadeniz A., Kaya B., Savaş B., Topcuoğlu Ş. F., Kocaoglu Cenkci S.  
ANNALS OF ONCOLOGY, vol.17, no.9, pp.66, 2006 (SSCI)
- LVI. **An investigation of mutagenic and recombinogenic effects of fluoxetine and trazodone in Drosophila melanogaster**  
Kocaoglu Cenkci S., Kaya B.  
TOXICOLOGY AND APPLIED PHARMACOLOGY, vol.197, no.3, pp.373, 2004 (SCI-Expanded)

- LVII. **Evaluation of the genotoxicity of four herbicides in the wing spot test of *Drosophila melanogaster* using two different strains**  
Kaya B., Marcos R., Yanikoglu A., Creus A.  
MUTATION RESEARCH-GENETIC TOXICOLOGY AND ENVIRONMENTAL MUTAGENESIS, vol.557, no.1, pp.53-62, 2004 (SCI-Expanded)
- LVIII. **Genotoxicity is modulated by ascorbic acid - Studies using the wing spot test in *Drosophila***  
Kaya B., Creus A., Velazquez A., Yanikoglu A., Marcos R.  
MUTATION RESEARCH-GENETIC TOXICOLOGY AND ENVIRONMENTAL MUTAGENESIS, vol.520, no.1-2, pp.93-101, 2002 (SCI-Expanded)
- LIX. **Induction of an adaptive response in *Drosophila* imaginal disc cells exposed in vivo to low doses of alkylating agents**  
Kaya B., Creus A., Velazquez A., Yanikoglu A., Marcos R.  
MUTAGENESIS, vol.15, no.4, pp.337-340, 2000 (SCI-Expanded)
- LX. **Genotoxicity testing of five herbicides in the *Drosophila* wing spot test**  
Kaya B., Yanikoglu A., Creus A., Marcos R.  
MUTATION RESEARCH-GENETIC TOXICOLOGY AND ENVIRONMENTAL MUTAGENESIS, vol.465, no.1-2, pp.77-84, 2000 (SCI-Expanded)
- LXI. **Induction of adaptive response in *Drosophila* imaginal disc cells exposed in vivo to low doses of EMS, ENU and MMS.**  
KAYA B., Creus A., Velazquez A., YANIKOĞLU A., Marcos R.  
MUTAGENESIS, vol.15, no.4, pp.337-340, 2000 (SCI-Expanded)
- LXII. **The use of the *Drosophila* wing spot test in the genotoxicity of different herbicides**  
KAYA B., Creus A., YANIKOĞLU A., Cabre O., Marcos R.  
ENVIRONMENTAL AND MOLECULAR MUTAGENESIS, vol.36, pp.40-46, 2000 (SCI-Expanded)
- LXIII. **Genotoxicity studies on the phenoxyacetates 2,4-D and 4-CPA in the *Drosophila* wing spot test**  
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KAYA B., Güneş M., Project Supported by Higher Education Institutions, Farklı Formlardaki Nanohidroksiapatitlerin Sitotoksik ve Genotoksik Etkilerinin Araştırılması, 2019 - 2022

KAYA N., KAYA B., AKARSU M., Güneş M., Yalçın B., Yavuz E., Project Supported by Higher Education Institutions, Gümüş ve Bakır Nanopartikülleri ile Onların Kombinasyonunun Genotoksik Etkilerinin KOMET Testi ve RAPD Belirteçleri ile Değerlendirilmesi, 2018 - 2020

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ÇETİN H., KAYA B., TÜBİTAK Project, Farklı oranlardaki sentetik pyretrait ve piperonil butoksid (PBO) karışımlarının Drosophila melanogaster üzerindeki insektisidal ve genotoksik etkilerinin araştırılması, 2007 - 2009

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## Activities in Scientific Journals

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Food and Chemical Toxicology, SCI Journal, February 2015  
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## Congress and Symposium Activities

Genotoxicity of Phytoestrogens, Attendee, Burdur, Turkey, 2021  
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## Scholarships

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Bazı pestisitlerin mutajenik ve rekombinojenik etkilerinin Drosophila SMART yöntemi ile araştırılması, TUBITAK, 1999 - 1999