

CURRICULUM VITAE (CV)



1. PERSONAL INFORMATION

First Name	Eşref
Family Name	DEMİR
Date and Place of Birth, Gender	03 March 1982, Antalya / TURKEY, Male
Title	Professor Doctor (Prof. Dr.)
Languages	Turkish (native tongue), English
Address	Antalya Bilim University, Faculty of Engineering, Department of Material Science and Nanotechnology Engineering, 07190, Dosemealti, Antalya / TURKEY
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2. EDUCATION

YEARS	DEGREES	UNIVERSITY	FIELD
01 April 2019 - Continues	Professor	Antalya Bilim University	Faculty of Engineering, Department of Material Science and Nanotechnology Engineering
07 November 2013	Associate Professor	The Council of Higher Education (YÖK)	Biology (Genetics)
2007-2011	Doctorate	Akdeniz University, Antalya-Turkey	Biology
2005-2007	Master	Akdeniz University, Antalya-Turkey	Biology
2000-2004	Bachelor	Akdeniz University, Antalya-Turkey	Biology

3. ACADEMIC AND PROFESSIONAL EXPERIENCES

YEARS	TITLE	UNIVERSITY	DEPARTMENT
2019- Continues	Professor Doctor	Antalya Bilim University, Faculty of Engineering	Vice Dean of the Faculty of Engineering
2019- Continues	Professor Doctor	Antalya Bilim University, Faculty of Engineering	Department Head of the Material Science and Nanotechnology Engineering
2019- Continues	Professor Doctor	Antalya Bilim University, Faculty of Engineering	Department of Material Science and Nanotechnology Engineering
2018-2019	Associate Professor	Antalya Bilim University,	Department of Material

		Faculty of Engineering	Science and Nanotechnology Engineering
2017-2018 (5 months)	International Post-Doctoral Research Fellowship Programme (TÜBİTAK-BİDEB 2219), Ankara-Turkey	University of Cambridge/ Cambridge-United Kingdom	University of Cambridge, Department of Genetics, Downing Street, Cambridge CB2 3EH, United Kingdom
2017-2017 (1 month)	Honorary Visiting Postdoctoral Fellow of the University of Bradford	University of Bradford/ Bradford-United Kingdom	Faculty of Life Sciences, Bradford School of Medical Sciences, Bradford; West Yorkshire; BD7 1DP; United Kingdom
2016-2017 (2 months)	Honorary Visiting Postdoctoral Fellow of the Universitat Autònoma de Barcelona (UAB)	Universitat Autònoma de Barcelona/Barcelona-Spain	Grup de Mutagènesi, Departament de Genètica i de Microbiologia
2015-2018	Associate Professor	Giresun University, Faculty of Engineering	Head of Department of Genetics and Bioengineering
2015-2015 (8 months)	Post-Doctoral Researcher Fellows [ORISE (the Oak Ridge Institute for Science and Education), Foreign National Research Program Fellowship]	U.S. Food and Drug Administration (FDA), National Center for Toxicological Research (NCTR), 3900 NCTR Road, Jefferson, 72079, Arkansas/USA	Department of Health & Human Services, Division of Genetic and Molecular Toxicology
2015-2016 (5 months)	Post-Doctoral Researcher Fellows (The Turkish Fulbright Commission-Fulbright	U.S. Food and Drug Administration (FDA), National Center for Toxicological Research (NCTR), 3900 NCTR	Department of Health & Human Services, Division of Genetic and Molecular Toxicology

	Post-Doctoral Research Fellowship-Visiting Scholar Program)	Road, Jefferson, 72079, Arkansas/USA	
2014-2015 (7 months)	ARGE Staff	Antalya Technopark Babylife Cord Blood Bank and Stem Cell Research Center, Akdeniz University, 07030-Campus, Antalya-Turkey	GMP/Stem Cell Laboratory
2014-2014 (6 months)	International Post-Doctoral Research Fellowship Programme (TÜBİTAK-BİDEB 2219), Ankara-Turkey	Universitat Autònoma de Barcelona-Barcelona-Spain	Grup de Mutagènesi, Departament de Genètica i de Microbiologia
2011-2012 (1 year)	Postdoctoral fellowship from the Scientific and Technological Research Council of Turkey (TÜBİTAK-BİDEB 2218), Ankara-Turkey	Pamukkale University, Denizli-Turkey	Medical Biology Department, School of Medicine
2007-2011	Research Assistant	Akdeniz University, Antalya-Turkey	Faculty of Sciences, Department of Biology
2009-2010 (6 months)	Doctorate fellowship from the Council of Higher Education (YÖK), Ankara-Turkey	Universitat Autònoma de Barcelona-Barcelona-Spain	Grup de Mutagènesi, Departament de Genètica i de Microbiologia

4. RESEARCH INTERESTS

Nanotechnology, Nanoparticles, Nanogenotoxicology, Molecular Biology and Genetics, *Drosophila* Genetics, Genetic and Molecular Toxicology, General Biology, Bio-monitoring, Mutation and Recombination, Next Generation Sequencing Technology, Toxicogenomics, MicroRNAs (miRNAs), Chemical Carcinogenesis, PCR (Polymerase Chain Reaction), Gene Regulation, Environmental Toxicology, Food Toxicology

5. PROFESSIONAL MEMBERSHIPS

- The American Association for the Advancement of Science (AAAS), (Member, 07.08.2015-to present)
- Federation of European Toxicologists & European Societies of Toxicology (EUROTOX), (Member, 24.01.2006-to present)
- International Union of Toxicology (IUTOX), (Member, 24.01.2006-to present)
- Environmental Mutagenesis and Genomics Society (EMGS), (Member, 07.08.2015-to present)
- Turkish Society of Toxicology (TST), (Member, 24.01.2006-to present)

6. SCIENTIFIC ACTIVITIES (Courses, Panels, Trainings, International Symposium and Workshops Attended)

- 8th International Nanotoxicology Congress, June 1-4, 2016, Boston, Massachusetts-USA.
Workshop-I: Hands-on *In Vitro* & *In Vivo* Dosimetry Workshop: Assessing the dose of nanomaterials in toxicological studies: Advanced approaches utilizing experimentation and fate and transport modeling.
Workshop-II: Nanoceria: Benefits and risks workshop.
- U.S. Food and Drug Administration, NCTR/ORR Nanotechnology Core Facility, Hands-On Training: SEM and TEM, 27-30 July 2015, Jefferson, ARKANSAS-USA.

- Collaborative Institutional Training Initiative (CITI Program) at the University of Miami, Trainees, 25 March 2015.

Curriculum Group 1: Working with the IACUC (Institutional Animal Care and Use Committee)

Curriculum Group 2: Working with Rats in Research Settings

Course Learner Group: Investigators, Staff and Students

CITI Program

E-mail: citisupport@miami.edu, Phone: 305-243-7970, Web: <https://www.citiprogram.org>

- Chemistry Panel "**Observer Panelist**" participated in organized by TÜBİTAK-TBAG, 12 June 2012.
- Certificate Course of Experimental Animal Usage organized by Akdeniz University Local Committee on Animal Research Ethics, 07-15 May 2011.
- Üsküdar Neuropsychopharmacology Symposium, "Polyamines, Agmatine and Brain", October 9-10, 2014, Üsküdar University, İstanbul-TURKEY.
- **Workshop:** The use of model organisms: Shedding light on molecular mechanisms underlying Alzheimer's and Parkinson's diseases and drug discovery, Üsküdar Neuropsychopharmacology Symposium, October 10, 2014, Üsküdar University, İstanbul-TURKEY.
- 1st International Congress and Workshop of Forensic Toxicology, 29-30 November, 2014, Ankara University, ATAUM Conference Hall, Ankara-TURKEY.
Workshop-I: Analytical aspects for long term and acute intoxications in post mortem toxicology.
Workshop-II: Individual susceptibility to xenobiotics, biomonitoring and kinetic data: a help for forensic medicine.
Workshop-III: The known unknowns: High Productivity Forensic Screening of unknowns with More Confident Identification.

7. REFEREE/EDITOR TO JOURNALS IN THE SCIENCE CITATION INDEX (SCI): 51

Turkish Journal of Biology (8), PLOS ONE (1), Journal of Agricultural and Food Chemistry (1), Science of the Total Environment (1), Toxicology and Industrial Health (3), Environmental Toxicology (2), Mutation Research/Fundamental and Molecular Mechanisms of Mutagenesis (1), Chemosphere (3), Journal of Hazardous Materials (1), Journal of Toxicology and Environmental Health, Part B: Critical Reviews (1), Journal of Toxicology and Environmental Health, Part A: Current Issues (7), Toxicological & Environmental Chemistry (1), Nanotoxicology (5), Chemical Research In Toxicology (1), Drug and Chemical Toxicology (1), Food and Chemical Toxicology (8), Fresenius Environmental Bulletin (1), Cumhuriyet Science Journal (1), Journal of the Entomological Research Society (1), Celal Bayar University Journal of Science (3)

8. AWARDS & SCHOLARSHIPS

8.1. The Scientific and Technological Research Council of Turkey (TUBITAK), **International Post-Doctoral Research Fellowship Programme (TÜBİTAK-BİDEB 2219)**, 2016/2 and 2017/1. Period, Field: Natural Sciences (Biology), (University of Cambridge, Department of Genetics, Downing Street, Cambridge CB2 3EH, UNITED KINGDOM, 2017-2018), (**Project Leader¹: Dr. Eşref DEMİR**).

8.2. Honorary Visiting Postdoctoral Fellow of the University of Bradford, University of Bradford, Faculty of Life Sciences, Bradford School of Medical Sciences, Bradford; West Yorkshire; BD7 1DP; UNITED KINGDOM, (2017-2017).

8.3. Honorary Visiting Postdoctoral Fellow of the Universitat Autònoma de Barcelona (UAB), Universitat Autònoma de Barcelona, Grup de Mutagènesi, Departament de Genètica i de Microbiologia, Barcelona-SPAIN, (2016-2017).

¹ Researchers who applied for TUBİTAK's 2218 and 2219-International Post Doctoral Research Fellowship Programme are requested to prepare a research project and therefore considered as project leader.

8.4. ORISE (the Oak Ridge Institute for Science and Education), **Foreign National Research Program Fellowship**, (U.S. Food and Drug Administration (FDA), National Center for Toxicological Research (NCTR), Department of Health & Human Services, Division of Genetic and Molecular Toxicology, 3900 NCTR Road, Jefferson, 72079, Arkansas/U.S.A., 2015-2015), (**Post Doctoral Researcher Fellows = Ph.D. Eşref DEMİR**).

8.5. The Turkish Fulbright Commission-Fulbright Turkey-United States Cultural Exchange Commission-**Fulbright Post-Doctoral Research Fellowship-Visiting Scholar Program**, (U.S. Food and Drug Administration (FDA), National Center for Toxicological Research (NCTR), Department of Health & Human Services, Division of Genetic and Molecular Toxicology, 3900 NCTR Road, Jefferson, 72079, Arkansas/U.S.A., 2015-2015), (**Post Doctoral Researcher Fellows = Ph.D. Eşref DEMİR**).

8.6. Prof. Dr. Baki KOMSUOĞLU Science Encouragement Award for 2014, Science Field: Natural Sciences, (by Rectorate of Kocaeli University, 01.04.2014) (www.kocaeli.edu.tr).

8.7. The Scientific and Technological Research Council of Turkey (TÜBİTAK), Science Fellowships and Grant Programmes Department (BİDEB), **2219-International Post-Doctoral Research Fellowship Programme**, 2013/1. Period, Field: Natural Sciences (Biology), (Universitat Autònoma de Barcelona (UAB), Grup de Mutagènesi, Departament de Genètica i de Microbiologia, Facultat de Biociències, Campus de Bellaterra, 08193 Cerdanyola del Vallès, Barcelona/SPAIN, 2014-2014), (**Project Leader²: Dr. Eşref DEMİR**).

8.8. The Scientific and Technological Research Council of Turkey (TÜBİTAK)-Scientific Human Support Department Presidency (BİDEB)-**2218-Domestic Post-Doctoral Research Fellow Programme**, 2011/3. Period, Field: Natural Sciences (Biology), (Pamukkale University, 2011-2012), (**Project Leader¹: Dr. Eşref DEMİR**).

8.9. The Council of Higher Education (YÖK)-**Abroad Doctoral Research Fellowship**, (Universitat Autònoma de Barcelona (UAB), Grup de Mutagènesi, Departament de Genètica i de Microbiologia, Facultat de Biociències, Campus de Bellaterra, 08193 Cerdanyola del Vallès, Barcelona/SPAIN, 2009-2010).

8.10. Third Rank among Basic Science students in graduation at Akdeniz University, Faculty of Sciences, Department of Biology, (11 June 2004).

8.11. TÜBİTAK International Scientific Publications Incentives Awards (UBYT): 23

9. ARTICLES PUBLISHED IN INTERNATIONAL REFEREED JOURNALS PUBLICATIONS [Science Citation Index (SCI)] = 44

9.1. Demir E., Marcos R. 2018. Antigenotoxic potential of boron nitride nanotubes. *Nanotoxicology*, 12 (8): 868-884.

9.2. Demir E., Marcos R. 2018. Toxic and genotoxic effects of graphene and multi-walled carbon nanotubes. *Journal of Toxicology and Environmental Health, Part A: Current Issues*, 81 (14): 645-660.

9.3. Khaled Habas, Mhamoued Abdulmwli, Eşref Demir, Badie K. Jacob, Mojgan Najafzadeh, Diana Anderson. 2018. DNA damage protection by bulk and nano forms of quercetin in lymphocytes of patients with chronic obstructive pulmonary disease exposed to the food mutagen 2-amino-3-methylimidazo [4,5-f]quinolone (IQ). *Environmental Research*, 166: 10-15.

9.4. Demir E., Marcos R. 2017. Assessing the genotoxic effects of two lipid peroxidation products (4-oxo-2-nonenal and 4-hydroxy-hexenal) in haemocytes and midgut cells of *Drosophila melanogaster* larvae. *Food and Chemical Toxicology*, 105: 1-7.

9.5. Demir E., Castranova V. 2017. Evaluation of the Potential Genotoxicity of Quantum Dots. A Review. *Aspects of Nanotechnology*, 1 (1): 1-19.

9.6. Demir E., Creus A., Marcos R. 2017. Titanium dioxide and zinc oxide nanoparticles are not mutagenic in the mouse lymphoma assay but modulate the mutagenic effect of UV-C-light post-treatment. *Fresenius Environmental Bulletin*, 26 (1a): 1001-1016.

9.7. Demir E., Castranova V. 2016. Genotoxic effects of synthetic amorphous silica nanoparticles in the mouse lymphoma assay. *Toxicology Reports*, 3: 807-815.

- 9.8. Demir E.,** Turna F., Aksakal S., Emre Y., Emre N., Yağcı A., Kaya B. 2015. The Comet assay using Rainbow trout (*Oncorhynchus mykiss*) for the detection of nutrient pollution generated from overfed fish farms in the Esen Stream. *Fresenius Environmental Bulletin*, 24 (11): 3665-3671.
- 9.9. Alaraby M., Demir E.,** Hernandez A., Marcos R. 2015. Assessing potential harmful effects of CdSe Quantum Dots by using *Drosophila melanogaster* as *in vivo* model. *Science of the Total Environment*, 530-531C: 66-75.
- 9.10. Maisanaba S., Prieto A.I.,** Puerto M., Gutiérrez-Praena D., **Demir E.,** Marcos R., Cameán A.M. 2015. *In vitro* genotoxicity testing of carvacrol and thymol using the micronucleus and mouse lymphoma assays. *Mutation Research-Genetic Toxicology and Environmental Mutagenesis*, 784-785: 37-44.
- 9.11. Tokgun O., Demiray A.,** Kaya B., Karagür E.R., **Demir E.,** Burunkaya E., Akça H. 2015. Silica nanoparticles can induce apoptosis via dead receptor and caspase 8 pathway on A549 cells. *Advances in Food Sciences*, 37 (2): 65-70.
- 9.12. Demir E., Akça H.,** Turna F., Aksakal S., Burgucu D., Kaya B., Tokgün O., Vales G., Creus A., Marcos R. 2015. Genotoxic and cell-transforming effects of titanium dioxide nanoparticles. *Environmental Research*, 136: 300-308.
- 9.13. Alaraby M., Hernández A.,** Annangi B., **Demir E.,** Bach J., Rubio L., Creus A., Marcos R. 2015. Antioxidant and antigenotoxic properties of CeO₂ NPs and cerium sulphate: Studies with *Drosophila melanogaster* as a promising *in vivo* model. *Nanotoxicology*, 9 (6): 749-756.
- 9.14. Demir E., Aksakal S.,** Turna F., Kaya B., Marcos R. 2015. *In vivo* genotoxic effects of four different nano-sizes forms of silica nanoparticles in *Drosophila melanogaster*. *Journal of Hazardous Materials*, 283: 260-266.
- 9.15. Demir E., Turna F.,** Aksakal S., Kaya B., Marcos R. 2014. Genotoxicity of different sweeteners in *Drosophila*. *Fresenius Environmental Bulletin*, 23 (12c): 3426-3432.
- 9.16. Demir E., Creus A.,** Marcos R. 2014. Genotoxicity and DNA repair processes of zinc oxide nanoparticles. *Journal of Toxicology and Environmental Health, Part A: Current Issues*, 77 (21): 1292-1303.

- 9.17. Demir E.,** Kaya B., CenkciKocaoğlu S., Çetin H., Marcos R. 2014. *In vivo* genotoxicity of four synthetic pyrethroids with combinations piperonyl butoxide (PBO) in the *Drosophila* SMART assay. *Ekoloji*, 23 (92): 9-18.
- 9.18.** Turna F., Aksakal S., **Demir E.,** Kaya B. 2014. Antigenotoxic effects of Resveratrol in somatic cells of *Drosophila melanogaster*. *Fresenius Environmental Bulletin*, 23 (9): 2116-2125.
- 9.19. Demir E.,** Akça H., Kaya B., Burgucu D., Tokgün O., Turna F., Aksakal S., Vales G., Creus A., Marcos R. 2014. Zinc oxide nanoparticles: genotoxicity, interactions with UV-light and cell-transforming potential. *Journal of Hazardous Materials*, 264 (1-570): 420-429.
- 9.20. Demir E.,** Kaya N., Kaya B. 2014. Genotoxic effects of zinc oxide and titanium dioxide nanoparticles on root meristem cells of *Allium cepa* by Comet assay. *Turkish Journal of Biology*, 38 (1): 31-39.
- 9.21. Demir E.,** Turna F., Vales G., Kaya B., Creus, A., Marcos R. 2013. *In vivo* genotoxicity assessment of titanium, zirconium and aluminium nanoparticles, and their microparticulated forms, in *Drosophila*. *Chemosphere*, 93 (10): 2304-2310.
- 9.22. Demir E.,** Burgucu D., Turna F., Aksakal S., Kaya B. 2013. Determination of TiO₂, ZrO₂, and Al₂O₃ Nanoparticles on Genotoxic Responses in Human Peripheral Blood Lymphocytes and Cultured Embryonic Kidney Cells. *Journal of Toxicology and Environmental Health, Part A: Current Issues*, 76 (16): 990-1002.
- 9.23. Demir E.,** Kaya B., Kocaoğlu Cenkci S. 2013. Antigenotoxic Activities of Ascorbic acid, Chlorophyll a and Chlorophyll b in Acrolein and Malondialdehyde-Induced Genotoxicity in *Drosophila melanogaster*. *Ekoloji*, 22 (88): 36-42.
- 9.24. Demir E.,** Turna F., Burgucu D., Kılıç Z., Burunkaya E., Kesmez Ö., Yeşil Z., Akarsu M., Kaya B. 2013. Genotoxicity of Different Nano-sizes and Ions of Silica Nanoparticles. *Fresenius Environmental Bulletin*, 22 (10): 2901-2909.
- 9.25. Demir E.,** Turna F., Kaya B., Creus A., Marcos R. 2013. Mutagenic/recombinogenic effects of four lipid peroxidation products in *Drosophila*. *Food and Chemical Toxicology*, 53 (A1-A2): 221-227.

- 9.26. Demir E.,** Kaya B. 2013. Studies on the Genotoxic Properties of Four Benzyl Derivatives in the *In vivo* Comet Assay Using Haemocytes of *Drosophila melanogaster*. *Fresenius Environmental Bulletin*, 22 (5): 1590-1596.
- 9.27. Demir E.,** Kaya B., Marcos R., Kocaoğlu S., Çetin H. 2013. Investigation of the genotoxic and antigenotoxic properties of essential oils obtained from two *Origanum* species by *Drosophila* wing SMART assay. *Turkish Journal of Biology*, 37 (2): 129-138.
- 9.28.** Vales G., **Demir E.,** Kaya B., Creus A., Marcos R. 2013. Genotoxicity of cobalt nanoparticles and ions in *Drosophila*. *Nanotoxicology*, 7 (4): 462-468.
- 9.29. Demir E.,** Marcos R., Kaya B. 2012. Genotoxicity studies in the ST cross of the *Drosophila* wing spot test of sunflower and soybean oils before and after frying and boiling procedures. *Food and Chemical Toxicology*, 50 (10): 3619-3624.
- 9.30. Demir E.** 2012. *In vivo* genotoxicity assessment of diflubenzuron and spinosad in *Drosophila melanogaster* with the comet assay using haemocytes and the SMART assay. *Fresenius Environmental Bulletin*, 21 (12): 3894-3900.
- 9.31. Demir E.,** Kaya B., Creus A., Marcos R. 2012. Genotoxic evaluation of the disinfection by-products mucochloric and mucobromic acids in *Drosophila melanogaster*. *Fresenius Environmental Bulletin*, 21 (12): 3864-3868.
- 9.32. Demir E.** 2012. Investigation of the effects of cobalt chloride and potassium dichromate on the genotoxic activity and the longevity of *Drosophila melanogaster*. *Fresenius Environmental Bulletin*, 21 (6): 1403-1409.
- 9.33. Demir E.,** Kaya B., Soriano C., Creus A., Marcos R. 2011. Genotoxic analysis of four lipid peroxidation products in the mouse lymphoma assay. *Mutation Research-Genetic Toxicology and Environmental Mutagenesis*, 726 (2): 98-103.
- 9.34. Demir E.,** Vales G., Kaya B., Creus A., Marcos R. 2011. Genotoxic analysis of silver nanoparticles in *Drosophila*. *Nanotoxicology*, 5 (3): 417-424.
- 9.35. Demir E.,** Kaya N., Kaya B. 2011. Evaluation of DNA Damage in *Capsicum annuum* L. Exposed to Spinosad in the Comet Assay. *Fresenius Environmental Bulletin*, 20 (8): 1926-1930.

- 9.36. Demir E.,** Kocaoğlu S., Kaya B., Marcos R. 2010. Induction of adaptive response in *Drosophila* after exposure to low doses of UVB. *International Journal of Radiation Biology*, 86 (11): 957-963.
- 9.37. Demir E.,** Kocaoğlu S., Kaya B. 2010. Assessment of genotoxic effects of benzyl derivatives by the comet assay. *Food and Chemical Toxicology*, 48 (5): 1239-1242.
- 9.38. Cetin H., Demir E.,** Kocaoğlu S., Kaya B. 2010. Insecticidal Activity of Some Synthetic Pyrethroids with Different Rates of Piperonyl Butoxide (PBO) Combinations on *Drosophila melanogaster* (Diptera: Drosophilidae). *Ekoloji*, 19 (75): 27-32.
- 9.39. Demir E.,** Kocaoğlu S., Kaya B. 2010. Antigenotoxic properties of chlorophyllin and chlorophylls in the *Drosophila* wing spot test. *Fresenius Environmental Bulletin*, 19 (12): 3131-3138.
- 9.40. Demir E.,** Kocaoğlu S., Cetin H., Kaya B. 2009. Antigenotoxic Effects of *Citrus aurantium* L. Fruit Peel Oil on Mutagenicity of Two Alkylating Agents and Two Metals in the *Drosophila* Wing Spot Test. *Environmental and Molecular Mutagenesis*, 50 (6): 483-488.
- 9.41. Demir E.,** Kocaoğlu S., Kaya B. 2008. Genotoxicity testing of four benzyl derivatives in the *Drosophila* wing spot test. *Food and Chemical Toxicology*, 46 (3): 1034-1041.
- 9.42. Demir E.,** Kocaoğlu S., Kaya B. 2008. Protective Effects of Chlorophyll Against the Genotoxicity of UVB in *Drosophila* SMART Assay. *Fresenius Environmental Bulletin*, 17 (12): 2180-2186.
- 9.43. Demir E.,** Kocaoğlu S., Kaya B. 2008. Protection Against Ultraviolet B-Induced Genotoxicity by the Chlorophyllin in *Drosophila melanogaster*. *Fresenius Environmental Bulletin*, 17 (12): 2187-2192.
- 9.44. Kaya B.,** Kocaoğlu S., **Demir E.** 2006. Analysis of UV-Stimulated Recombination in the *Drosophila* SMART Assay. *Environmental and Molecular Mutagenesis*, 47 (5): 357-361.

10. TOTAL NUMBER OF CITATIONS RECEIVED TO PUBLICATIONS [According to *Google Scholar* (<https://scholar.google.com.tr/>): **715**

h-index: 15

i10-index: 18

11. POSTERS PRESENTED IN CONGRESS

A) Presented in National Scientific Meetings and Studies Printed in Announcement Books (Proceedings) (Latest First): 22

A1. Demir E. 2016. Farklı Nano-Boyut Formlarındaki Sentetik Amorf Silika Nanopartiküllerin Mutajenik Potansiyellerinin Fare Lenfoma Testi ile Araştırılması. 23. Ulusal Biyoloji Kongresi (Uluslararası katılımlı), 05-09 Eylül, Gaziantep Üniversitesi, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, Gaziantep Üniversitesi Kongre Merkezi, Gaziantep-TÜRKİYE, Özet Kitabı, (SS/MBG-8), 170. sayfa, ("**Oral Announcement**" **Presented in Congress**).

A2. Demir E., Turna F., Aksakal S., Creus A., Marcos R. 2014. Titanyum dioksit ve Çinko oksit Nanopartiküllerinin Genotoksik Etkilerinin Fare Lenfoma Testi ile Araştırılması. 22. Ulusal Biyoloji Kongresi (Uluslararası katılımlı), 23-27 Haziran, Eskişehir Osmangazi Üniversitesi, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, Eskişehir-TÜRKİYE, Özet Kitabı, MBG-P4-13, 1315. sayfa, (**Poster Presentation**).

A3. Turna F., Aksakal S., Burgucu D., **Demir E.** 2014. Farklı Nanoboyutlardaki Çinko oksit Nanopartikülünün Genotoksikite ve Fare Lenfoblastoid Hücrelerinde DNA Tamir Sürecine Etkisinin Araştırılması. 22. Ulusal Biyoloji Kongresi (Uluslararası katılımlı), 23-27 Haziran, Eskişehir Osmangazi Üniversitesi, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, Eskişehir-TÜRKİYE, Özet Kitabı, MBG-P4-17, 1318. sayfa, (**Poster Presentation**).

A4. Kaya B., Karadeniz H., Turna F., Aksakal S., **Demir E.** 2014. Kobalt klorür'ün Oluşturduğu DNA Hasarına Karşı Resveratrol'ün Koruyucu Etkisi. 22. Ulusal Biyoloji Kongresi (Uluslararası katılımlı), 23-27 Haziran, Eskişehir Osmangazi Üniversitesi, Fen-Edebiyat Fakültesi, Biyoloji Bölümü, Eskişehir-TÜRKİYE, Özet Kitabı, BİY-P2-18, 680. sayfa, (**Poster Presentation**).

A5. Turna F., Aksakal S., **Demir E.**, Kaya B. 2013. Potasyum Dikromat ve Etil Metan Sülfonat'ın Genotoksitesine Karşı Resveratrol'ün *In Vivo* Antigenotoksik Potansiyelinin *Drosophila* SMART ve KOMET Yöntemleriyle Araştırılması. II. Bölgesel Toksikoloji Sempozyumu: Toksikolojide Güncel Konular, Türk Toksikoloji Derneği, 3-4 Mayıs 2013, Anadolu Üniversitesi Eczacılık Fakültesi, Eskişehir-TÜRKİYE, Özet Kitabı, (P1), 6. sayfa, **(Poster Presentation)**.

A6. Aksakal S., Turna F., **Demir E.**, Kaya B. 2013. Gümüş Nanopartikülünün ve İyon Formunun Genotoksik Potansiyelinin *In Vivo Drosophila* KOMET Yöntemi ile Araştırılması. II. Bölgesel Toksikoloji Sempozyumu: Toksikolojide Güncel Konular, Türk Toksikoloji Derneği, 3-4 Mayıs 2013, Anadolu Üniversitesi Eczacılık Fakültesi, Eskişehir-TÜRKİYE, Özet Kitabı, (P5), 7. sayfa, **(Poster Presentation)**.

A7. Karadeniz H., Turna F., Aksakal S., **Demir E.**, Kaya B. 2013. Etil Metan Sülfonat ve 4-Nitrokinolin Oksit'in Genotoksitesine Karşı Melatonin'in *In Vivo* Antigenotoksik Potansiyelinin *Drosophila* SMART Yöntemi İle Araştırılması. II. Bölgesel Toksikoloji Sempozyumu: Toksikolojide Güncel Konular, Türk Toksikoloji Derneği, 3-4 Mayıs 2013, Anadolu Üniversitesi Eczacılık Fakültesi, Eskişehir-TÜRKİYE, Özet Kitabı, (P4), 7. sayfa, **(Poster Presentation)**.

A8. Çakmak I., Turna F., Aksakal S., **Demir E.**, Kaya B. 2013. *Drosophila* Hemositlerinde Silisyum Dioksit Nanopartikülünün *In Vivo* DNA Hasarının Araştırılması. II. Bölgesel Toksikoloji Sempozyumu: Toksikolojide Güncel Konular, Türk Toksikoloji Derneği, 3-4 Mayıs 2013, Anadolu Üniversitesi Eczacılık Fakültesi, Eskişehir-TÜRKİYE, Özet Kitabı, (P2), 6. sayfa, **(Poster Presentation)**.

A9. Şenli Ş., Burgucu D., Turna F., Aksakal S., **Demir E.**, Kaya B. 2013. Titanyum Dioksit Nanopartikülünün ve İyonik Formunun İnsan Embriyonik Böbrek Epitelyum Hücrelerinde (HEK293) Genotoksik Analizi. II. Bölgesel Toksikoloji Sempozyumu: Toksikolojide Güncel Konular, Türk Toksikoloji Derneği, 3-4 Mayıs 2013, Anadolu Üniversitesi Eczacılık Fakültesi, Eskişehir-TÜRKİYE, Özet Kitabı, (P3), 6. sayfa, **(Poster Presentation)**.

A10. **Demir E.**, Turna F., Burgucu D., Tokgün O., Akça H., Kaya B. 2012. Titanyum Dioksit ve Çinko Oksit Nanopartiküllerinin UV-B Radyasyonu ile Birlikte Memeli Hücre Hatlarında Genotoksik Potansiyellerinin Araştırılması. 21. Ulusal Biyoloji Kongresi (Uluslararası katılımlı). 3-7 Eylül, Ege Üniversitesi, Prof. Dr. Yusuf VARDAR-MÖTBE

Kongre Kültür Merkezi, İZMİR-TÜRKİYE, Özet Kitabı, (SH-007), 290. sayfa, ("**Oral Announcement**" Presented in Congress).

A11. Kaya B., Turna F., **Demir E.**, Marcos R. 2012. Dört Yapay Tatlandırıcının Genotoksik Etkilerinin *Drosophila melanogaster*'in Somatik Hücrelerinde KOMET ve SMART Yöntemleriyle Araştırılması. 21. Ulusal Biyoloji Kongresi (Uluslararası katılımlı). 3-7 Eylül, Ege Üniversitesi, Prof. Dr. Yusuf VARDAR-MÖTBE Kongre Kültür Merkezi, İZMİR-TÜRKİYE, Bildiri Kitabı, (PH-061), 1371. sayfa, (**Poster Presentation**).

A12. Kaya N., Turna F., **Demir E.**, Kaya B. 2012. Çinko Oksit ve Titanyum Dioksit Nanopartiküllerinin *Allium cepa* Kök Meristem Hücrelerindeki Genotoksik Etkilerinin KOMET Yöntemi İle Araştırılması. 21. Ulusal Biyoloji Kongresi (Uluslararası katılımlı). 3-7 Eylül, Ege Üniversitesi, Prof. Dr. Yusuf VARDAR-MÖTBE Kongre Kültür Merkezi, İZMİR-TÜRKİYE, Bildiri Kitabı, (PH-062), 1372. sayfa, (**Poster Presentation**).

A13. Turna F., **Demir E.**, Kaya B. 2012. Potasyum Dikromat ve Etil Metan Sülfonat'ın Genotoksitesine Karşı Resveratrol'ün *In Vivo* Antigenotoksik Potansiyelinin *Drosophila* SMART Yöntemiyle Araştırılması. 21. Ulusal Biyoloji Kongresi (Uluslararası katılımlı). 3-7 Eylül, Ege Üniversitesi, Prof. Dr. Yusuf VARDAR-MÖTBE Kongre Kültür Merkezi, İZMİR-TÜRKİYE, Bildiri Kitabı, (PH-103), 1409. sayfa, (**Poster Presentation**).

A14. Aksakal S., Turna F., **Demir E.**, Kaya B. 2012. Potasyum Dikromat'ın Genotoksitesine Karşı Melatonin'in *In Vivo* Antigenotoksik Potansiyelinin *Drosophila* KOMET ve SMART Yöntemleriyle Araştırılması. 21. Ulusal Biyoloji Kongresi (Uluslararası katılımlı). 3-7 Eylül, Ege Üniversitesi, Prof. Dr. Yusuf VARDAR-MÖTBE Kongre Kültür Merkezi, İZMİR-TÜRKİYE, Bildiri Kitabı, (PH-002), 1318. sayfa, (**Poster Presentation**).

A15. Güney A., Turna A., Burgucu D., Burunkaya E., Kesmez Ö., Yeşil Z., **Demir E.**, Kaya B. 2012. Silisyum Dioksit Nanopartikülünün *In Vitro* Genotoksik Potansiyelinin KOMET Yöntemi ile Araştırılması. 21. Ulusal Biyoloji Kongresi (Uluslararası katılımlı). 3-7 Eylül, Ege Üniversitesi, Prof. Dr. Yusuf VARDAR-MÖTBE Kongre Kültür Merkezi, İZMİR-TÜRKİYE, Bildiri Kitabı, (PH-053), 1364. sayfa, (**Poster Presentation**).

A16. **Demir E.**, Kaya B., Creus A., Marcos R. 2010. Bazı Lipid Peroksidasyon Ürünlerinin Genotoksik Etkilerinin Fare Lenfoma Testi ile Araştırılması. 20. Ulusal Biyoloji Kongresi (Uluslararası katılımlı). 21-25 Haziran, Pamukkale Üniversitesi, Kongre Kültür Merkezi,

DENİZLİ-TÜRKİYE, Bildiri Kitabı, (S-140), 151. sayfa, ("**Oral Presentation**" **Presented in Congress**).

A17. Kaya B., **Demir E.**, Kocaoğlu S. 2010. Malondialdehit'in Genotoksitesine Karşı Bazı Koruyucu Maddelerin Etkilerinin *Drosophila* SMART Yöntemi ile Araştırılması. 20. Ulusal Biyoloji Kongresi (Uluslararası Katılımlı). 21-25 Haziran, Pamukkale Üniversitesi, Kongre Kültür Merkezi, DENİZLİ-TÜRKİYE, Bildiri Kitabı, (PH-062), 1044. sayfa, (**Poster Presentation**).

A18. Kaya B., Özüğür Z., **Demir E.**, Kocaoğlu S., Çetin H. 2009. İki *Origanum* Türüne Ait Esansiyel Yağların *Drosophila melanogaster*'de Genotoksik ve Antigenotoksik Etkilerinin Araştırılması. 7. Türk Toksikoloji Derneği Kongresi (Uluslararası Katılımlı). 30 Mayıs-1 Haziran, ODTÜ Kültür ve Kongre Merkezi / ANKARA, Bildiri Özetleri, P012, 74. sayfa, (**Poster Presentation**).

A19. Kaya N., **Demir E.**, Kocaoğlu S., Kaya B. 2009. Benzaldehit ve Benzoik Asit'in *In Vitro* DNA Hasarının COMET Testi İle Değerlendirilmesi. 7. Türk Toksikoloji Derneği Kongresi (Uluslararası Katılımlı). 30 Mayıs-1 Haziran, ODTÜ Kültür ve Kongre Merkezi / ANKARA, Bildiri Özetleri, P013, 74. sayfa, (**Poster Presentation**).

A20. Kaya B., **Demir E.**, Kocaoğlu S. 2008. Drozofila Kanat Benek Testinde Alkilleyici Ajanlara Karşı Turunç Kabuğu Yağının Antigenotoksik Etkisi. 19. Ulusal Biyoloji Kongresi, Özetler, 23-27 Haziran, TRABZON, (PZ-177), 551. sayfa, (**Poster Presentation**).

A21. **Demir E.**, Ekinci D., Kocaoğlu S., Kaya B. 2006. *Drosophila melanogaster*'de Kobalt Klorür ve Potasyum Dikromat'ın Ömür Uzunluğu Üzerine Etkisinin Araştırılması. 18. Ulusal Biyoloji Kongresi (Uluslararası Katılımlı). 26-30 Haziran, Kuşadası / AYDIN, Bildiri Özetleri, (M044P), (PS-185), 154. sayfa, (**Poster Presentation**).

A22. Kaya B., Kocaoğlu S., **Demir E.** 2006. UV Etkisiyle İndüklenmiş Rekombinasyonun *Drosophila* Kanat Somatik Mutasyon ve Rekombinasyon Testi ile Gösterilmesi. 18. Ulusal Biyoloji Kongresi (Uluslararası Katılımlı). 26-30 Haziran, Kuşadası / AYDIN, Bildiri Özetleri, (M020P), (PS-449), 245. sayfa, (**Poster Presentation**).

B) Presented in International Scientific Meetings and Studies Printed in Announcement Books (Proceedings) (Latest First): 24

- B1. Esref Demir**, Alexandre B. Leitão, Arunkumar Ramesh, Francis M. Jiggins. 2018. Immune responses of *Leptopilina boulardi* infection in *Drosophila melanogaster*. Royal Entomological Society (RES), Insect Endosymbiont and Insect Infection & Immunity, Infection & Immunity Special Interest Group, University of Liverpool, Lecture Theatre 1 (LT1), Life Sciences Building, Crown Street, L69 7ZB, Liverpool-UNITED KINGDOM, March 22nd 2018, (**Poster Presentation**).
- B2. Demir E.** 2018. Royal Entomological Society (RES), Insect Endosymbiont and Insect Infection & Immunity, Insect Endosymbiont Special Interest Group, University of Liverpool, Lecture Theatre 1 (LT1), Life Sciences Building, Crown Street, L69 7ZB, Liverpool-UNITED KINGDOM, March 21st 2018, (**as a listener**).
- B3. Esref Demir**, Alexandre B. Leitão, Arunkumar Ramesh, Francis M. Jiggins. 2018. Immune responses of *Leptopilina boulardi* infection in *Drosophila melanogaster*. Evolutionary Genetics and Genomics Symposium (EGGS 2018), Department of Genetics, University of Cambridge, Downing Street, Cambridge CB2 3EH, UNITED KINGDOM, March 20th 2018, (**Poster Presentation**).
- B4. Demir E.**, Zhang Y., Yan J., Chen T. 2016. Toxicity of Cadmium Oxide Nanoparticles in Human TK6 and HepG2 Cells Evaluated Using *In Vitro* Cytotoxicity Assays. 8th International Nanotoxicology Congress, June 1-4, 2016, Boston, Massachusetts-USA., Abstract Book, 89. page, Poster Board Number: 53, (**Poster Presentation**).
- B5. Demir E**, Li Y, Qin T, Zhang Y, Guo X, Ingle T, Yan J, Orza AI, Biris A, Chen T. 2015. Genotoxicity of Cadmium Oxide Nanoparticles Evaluated Using *In Vitro* Assays. Environmental Mutagenesis and Genomics Society, EMGS 46th Annual Meeting 2015, September 26-30, 2015, New Orleans, Louisiana-U.S.A., Volume 56, Number S1, Page S71, Poster Number P58, (**Poster Presentation**), (Özeti SCI kayıtlı bir dergi olan "*Environmental and Molecular Mutagenesis*" dergisinde yer almaktadır. Abstracts from the Environmental Mutagenesis and Genomics Society 46th Annual Meeting; September 26-30, 2015, New Orleans, Louisiana (pages S1-S91), Volume 56, Issue S1, Pages i-iv, S1-S91). Article first published online: 21 AUG 2015, DOI: 10.1002/em.21969).
- B6. Maisanaba S.O.**, Prieto A.I., Puerto M., Gutiérrez-Praena D.O., Jos A., **Demir E.**, Marcos R., Cameán A.M. 2015. Genotoxicity and Mutagenicity Evaluation of Carvacrol, a Major Compound of Oregano Essential Oil, by the *In Vitro* Micronucleus and Mouse Lymphoma Assays. Society of Toxicology (SOT), 54th Annual Meeting and ToxExpo™. March 22-26, 2015, San Diego, California-U.S.A., Abstract Book, Abstract 936, 213. page, Poster Board Number, 163, (**Poster Presentation**).

B7. Demir E. 2014. 1st International Congress and Workshop of Forensic Toxicology, 29-30 November, 2014, Ankara University, ATAUM Conference Hall, Ankara-TURKEY, (as a listener).

B8. Demir E. 2014. 1st International Forensic Biology and Genetics Congress, 27-28 November, 2014, Ankara University, Faculty of Medicine, Morphology Building, Abdulkadir Noyan Hall, Ankara-TURKEY, (as a listener).

B9. Demir E., Creus A., Marcos R. 2014. Titanium dioxide and zinc oxide nanoparticles are not mutagenic in the mouse lymphoma assay but modulate the effect of UVC-light post-treatment. SEMA 18-20 June 2014, XXI. Congreso de la Sociedad Española de Mutagénesis Ambiental, Facultad de Farmacia de la Universidad de Navarra, Irunlarrea 1, Pamplona-SPAIN, Abstract Book, Session IV, 80. page, (Oral Presentation).

B10. Alaraby M., Hernández A., Annangi B., Demir E., Rubio L., Creus A., Marcos R. 2014. Biological effects of cerium nanoparticles using *Drosophila* as a model organism. SEMA 18-20 June 2014, XXI. Congreso de la Sociedad Española de Mutagénesis Ambiental, Facultad de Farmacia de la Universidad de Navarra, Irunlarrea 1, Pamplona-SPAIN, Abstract Book, Session IV, 78. page, (Oral Presentation).

B11. Demir E., Aksakal S., Turna F., Kaya B. 2013. Genotoxic effects of Silicon dioxide nanoparticles and ionic form in the *Drosophila* Comet assay. VII. International Symposium on Ecology and Environmental Problems (ISEEP 2013). 18-21 December 2013, Antalya-TURKEY. Abstract Book, ISEEP_011, 74. page, (Poster Presentation).

B12. Kaya B., Turna F., Aksakal S., Demir E., Emre Y., Emre N., Yağcı A. 2013. The Comet assay using rainbow trout (*Oncorhynchus mykiss*) for the detection of nutrient pollution generated from overfed fish farms in the Eşen Stream. VII. International Symposium on Ecology and Environmental Problems (ISEEP 2013). 18-21 December 2013, Antalya-TURKEY. Abstract Book, ISEEP_010, 73. page, (Poster Presentation).

B13. Turna F., Aksakal S., Demir E., Kaya B. 2013. Antigenotoxic effects of melatonin against genotoxicity induced by EMS and 4-NQO in the *in vivo* Comet assay using somatic cells of *Drosophila melanogaster*. VII. International Symposium on Ecology and Environmental Problems (ISEEP 2013). 18-21 December 2013, Antalya-TURKEY. Abstract Book, ISEEP_012, 75. page, (Poster Presentation).

- B14.** Aksakal S., Turna F., **Demir E.**, Kaya B. 2013. Study on the genotoxic properties of Cobalt nanoparticle and ionic form in the *in vivo* Comet assay using haemocytes of *Drosophila melanogaster*. VII. International Symposium on Ecology and Environmental Problems (ISEEP 2013). 18-21 December 2013, Antalya-TURKEY. Abstract Book, ISEEP_013, 76. page, (**Poster Presentation**).
- B15.** **Demir E.**, Turna F., Akça H., Kaya B. 2012. Genotoxicity of titanium dioxide nanoparticles and ions in cultured human embryonic kidney (HEK293) cells and mouse embryonic fibroblast (NIH/3T3) cells using the alkaline Comet assay. Nanosafety Congress-Turkey, 26-28 April, Kemer-Antalya, TURKEY, Abstract Book, S2-O1, 41. page, (**Oral Presentation**).
- B16.** Kaya B., **Demir E.**, Turna F. 2012. *In vivo* genotoxicity assessment of titanium dioxide, zirconium oxide and aluminium oxide nanoparticles and ions in *Drosophila*. Nanosafety Congress-Turkey, 26-28 April, Kemer-Antalya, TURKEY, Abstract Book, P-02, 44. page, (**Poster Presentation**).
- B17.** Turna F., **Demir E.**, Kaya B. 2012. An investigation of the genotoxic potential of titanium dioxide nanoparticles and ions in human peripheral lymphocytes using the Comet assay. Nanosafety Congress-Turkey, 26-28 April, Kemer-Antalya, TURKEY, Abstract Book, P-04, 46. page, (**Poster Presentation**).
- B18.** Kaya B., **Demir E.**, Creus A., Marcos R. 2011. Genotoxic Effects of Two Lipid Peroxidation Products in the *Drosophila* SMART Assay. VI. International Symposium on Ecology and Environmental Problems (ISEEP 2011). 17-20 November, Antalya-TURKEY. Abstract Book, ISEEP_49, 84. page, (**Poster Presentation**).
- B19.** Kaya B., **Demir E.** 2011. Investigation of Genotoxic Activity and Longevity of Cobalt Chloride and Potassium Dichromate in the *Drosophila melanogaster*. VI. International Symposium on Ecology and Environmental Problems (ISEEP 2011). 17-20 November, Antalya-TURKEY. Abstract Book, ISEEP_67, 98. page, (**Poster Presentation**).
- B20.** Kaya B., **Demir E.**, Kocaoğlu S., Çetin H., Marcos R. 2010. *In vivo* Genotoxicity Testing of Four Synthetic Pyrethroids with Combinations Piperonyl Butoxide in the *Drosophila* SMART Assay. XII International Congress of Toxicology. July 19-23, Barcelona, SPAIN. Abstract Book, P308-012, 87. page. (“**Toxicology Letters**”,

doi:10.1016/j.toxlet.2010.03.997); Abstracts of the XII International Congress of Toxicology, Volume 196, Supplement 1, 17 July 2010, page S315), (**Poster Presentation**).

B21. Kaya B., **Demir E.**, Kocaoğlu S. 2008. Protection against Ultraviolet B-induced Genotoxicity by the Chlorophyllin in *Drosophila melanogaster*. Genetics-Understanding Living Systems, XX International Congress of Genetics. July 12-17, Berlin, GERMANY. Abstract Book, P268/35/B, 274. page, (**Poster Presentation**).

B22. **Demir E.**, Kocaoğlu S., Kaya B. 2006. Genotoxicity Testing of Four Benzyl Derivatives Used as Flavour Ingredients in the *Drosophila* Wing Spot Test. 6th International Congress of Turkish Society of Toxicology. November 2-5, Belek, Antalya, TURKEY. Abstract Book, P-100, 180. page, (**Poster Presentation**).

B23. Kaya B., **Demir E.**, Kocaoğlu S. 2006. Induction of Adaptive Response in *Drosophila* Imaginal Disc Cells Exposed *in vivo* to Low Dose of UV-B. 6th International Congress of Turkish Society of Toxicology. November 2-5, Belek, Antalya, TURKEY. Abstract Book, P-101, 181. page, (**Poster Presentation**).

B24. Kocaoğlu S., Kaya B., **Demir E.** 2006. Mutagenic and Recombinogenic Effects of Two Heterocyclic Amine Compounds. 6th International Congress of Turkish Society of Toxicology. November 2-5, Belek, Antalya, TURKEY. Abstract Book, P-102, 182. page, (**Poster Presentation**).

C. Other Publications: 2

C1. **Demir E.** 2016. The Use of *Drosophila melanogaster* (fruit fly) as an *In Vivo* Model Organism in the Toxicity and Genotoxicity Studies of Nanomaterials. (Nanomateriyallerin Toksikite Ve Genotoksikite Çalışmalarında Bir *In Vivo* Model Organizma Olarak *Drosophila melanogaster* (Meyve Sineği)'in Kullanılması). *Turkish Journal of Scientific Reviews (Derleme)*, 9 (1): 1-11, ISSN: 1308-0040, E-ISSN: 2146-0132.

C2. **Demir E.** 2015. Nanogenotoksikoloji'de Meyve Sineği (*Drosophila melanogaster*)'nin Çevre ve İnsan Sağlığına Katkıları. Toksikoloji Bülteni, Türk Toksikoloji Derneği Yayın Organı, Ocak 2015, Sayı: 40, Sayfa: 20-22.

D. Dataset: 1

D1. Alaraby M., Hernández A., Annangi B., **Demir E.**, Bach J., Rubio L., Creus A., Marcos R. 2015. Supplementary Figures of Cerium NPs. DATASET, JANUARY 2015, DOI: 10.13140/RG.2.1.3331.4968.

12. PROJECTS

12.1. COMPLETED PROJECTS: 24

12.1.1. Parasitoid resistance in *Drosophila melanogaster*. The Scientific and Technological Research Council of Turkey (TUBITAK), International Post-Doctoral Research Fellowship Programme (TÜBİTAK-BİDEB 2219), Ankara-TURKEY, (University of Cambridge, Department of Genetics, Downing Street, Cambridge CB2 3EH, UNITED KINGDOM), (**Project Leader = Assoc. Prof. Dr. Eşref DEMİR**).

12.1.2. Evaluation with the Mouse Lymphoma Assay of the Potential Mutagenic Effects, the Effects in Gene Expression Changes and the Mutational Spectrum Analysis of Graphene and Multi Walled Carbon Nanotubes in Different Properties. TUBITAK-3001-Starting R&D Projects Funding Program, (**Project Leader = Assoc. Prof. Dr. Eşref DEMİR**).

12.1.3. Investigation of Antioxidant and Antigenotoxic Properties and the Effects in Gene Expression Changes of Boron Nitride Nanotubes and Boron in *Drosophila melanogaster* (Fruit Fly) as a Promising *In Vivo* Model Organism. TUBITAK-1002-Short Term R&D Funding Program, (**Project Leader = Assoc. Prof. Dr. Eşref DEMİR**).

12.1.4. Investigation of Mutagenic Potential in Different Nano-Sizes Forms of Synthetic Amorphous Silica Nanoparticles with the Mouse Lymphoma Assay. The Scientific Research Projects Coordination Unit of Giresun University, (**Project Leader = Assoc. Prof. Dr. Eşref DEMİR**).

12.1.5. Detection of rare genomic mutations induced by carcinogens using next generation sequencing. U.S. Food and Drug Administration (FDA), National Center for Toxicological Research (NCTR), Division of Genetic and Molecular Toxicology, NCTR Program Area: Enhance Medical Product Safety, (**Post Doctoral Researcher = Dr. Eşref Demir**).

12.1.6. Evaluation of cadmium oxide nanoparticles as a nanoparticle-type positive control for toxicity assays. U.S. Food and Drug Administration (FDA), National Center for Toxicological Research (NCTR), Division of Genetic and Molecular Toxicology, NCTR Program Area: Enhancing Medical Product Safety, (**Post Doctoral Researcher = Dr. Eşref Demir**).

12.1.7. Development and evaluation of exposure dosimetry methods to optimize the standard *in vitro* mammalian genotoxicity assays for assessing engineered nanomaterials. U.S. Food and Drug Administration (FDA), National Center for Toxicological Research (NCTR), Division of Genetic and Molecular Toxicology, NCTR Program Area: Enhancing Medical Product Safety, (**Post Doctoral Researcher = Dr. Eşref Demir**).

12.1.8. Evaluation of the Applicability of *In Vivo* Micronucleus Assays for Assessing Genotoxicity of Engineered Nanomaterials. U.S. Food and Drug Administration (FDA), National Center for Toxicological Research (NCTR), Division of Genetic and Molecular Toxicology, NCTR Program Area: Enhancing Medical Product Safety, (**Post Doctoral Researcher = Dr. Eşref Demir**).

12.1.9. Research related genetic and molecular toxicology; project related to collaboration on evaluation of microRNA in blood for detection of chemical-induced carcinogenicity. U.S. Food and Drug Administration (FDA), National Center for Toxicological Research (NCTR), Division of Genetic and Molecular Toxicology, NCTR Program Area: Enhance Medical Product Safety, (**Post Doctoral Researcher = Dr. Eşref Demir**).

12.1.10. No engineered silver nanomaterials (Ag-ENMs) varying by size and coatings behave differently than bulk silver in their ability to induce genetic damage.

U.S. Food and Drug Administration (FDA), National Center for Toxicological Research (NCTR), Division of Genetic and Molecular Toxicology, NCTR Program Area: Enhance Medical Product Safety, (**Post Doctoral Researcher = Dr. Eşref Demir**).

12.1.11. Investigation with the mouse lymphoma assay of the mutational spectrum of two nanomaterials namely titanium dioxide (TiO₂) and zinc oxide (ZnO), and their ion forms. Genotoxic effects of these nanoparticles, widely used in cosmetics and sunscreens, will be analyzed together with UV-C radiation. The Scientific and Technological Research Council of Turkey (TUBITAK), Scientific Human Resources Development (BAYG), 2219-International Post Doctoral Research Fellowship Programme, Ankara/TURKEY, (Universitat Autònoma de Barcelona (UAB), Grup de Mutagènesi, Departament de Genètica i de Microbiologia, Facultat de Biociències, Campus de Bellaterra, 08193 Cerdanyola del Vallès, Barcelona/SPAIN), (**Project Leader = Dr. Eşref Demir**).

12.1.12. An Investigation of Antigenotoxic Effect Against to Different Mutagens of Melatonin with *Drosophila* SMART and COMET Methods. Management Unit of Research Project of Akdeniz University, (**Post Doctoral Researcher = Dr. Eşref Demir**).

12.1.13. Determination by the chloroplast and nuclear simple sequence repeats of genetic diversity of populations Red pine (*Pinus brutia* Ten.) and Aleppo pine (*Pinus halepensis* Mill.). TUBITAK, (**Post Doctoral Researcher Fellows = Dr. Eşref Demir**).

12.1.14. An Investigation of Genotoxic and Carcinogenic Potentials of Titanium dioxide and Zinc oxide Nanoparticles and Together UV-A and UV-B of These Nanoparticles Radiation Widely Using in Sunscreens in the Human Embryonic Kidney Epithelial Cells (HEK293) and the Mouse Embryonic Fibroblast Cells (NIH/3T3). The Scientific and Technological Research Council of Turkey (TÜBİTAK)-Science Fellowships and Grant Programmes Department (BİDEB), Ankara / TURKEY, 2218-National Post Doctoral Research Fellowship Programme, 2011/3. Period, Area: Natural Sciences (Biology), Pamukkale University, (**Project**

Leader = Dr. Eşref Demir).

12.1.15. An Investigation of *In vitro* Genotoxic Potential of Different Nanosized Silicium Dioxide Nanoparticles with *Drosophila* SMART and COMET Methods. TÜBİTAK, (**Post Doctoral Researcher Fellows = Dr. Eşref Demir**).

12.1.16. An Investigation of Mutagenic and Recombinagenic Effects of Aluminium oxide, Titanium dioxide and Zirconium oxide Nanoparticles with *Drosophila* SMART Method. TÜBİTAK, (**Post Doctoral Researcher Fellows = Dr. Eşref Demir**).

12.1.17. Investigation of Genotoxic Effects of Frying and Boil Products of Sunflower and Soybean Oils in *Drosophila melanogaster*. Management Unit of Research Project of Akdeniz University, (**Co-researcher = Dr. Eşref Demir**).

12.1.18. Determination of DNA Damage in Cancer Patients PET/CT (Positron Emission Tomography/Computed Tomography) Applied by COMET Assay. Management Unit of Research Project of Akdeniz University, (**Co-researcher = Dr. Eşref Demir**).

12.1.19. Investigation of Genotoxic Effects of Some Lipid Peroxidation Products with the Mouse Lymphoma Assay. The Council of Higher Education (YÖK)-Abroad Doctoral Research Fellowship, (Universitat Autònoma de Barcelona (UAB), Grup de Mutagènesi, Departament de Genètica i de Microbiologia, Facultat de Biociències, Campus de Bellaterra, 08193 Cerdanyola del Vallès, Barcelona / SPAIN), (**Project Leader = Dr. Eşref Demir**).

12.1.20. Investigation of Protective Effects Against to Genotoxicity of Acrolein and Malondialdehyde of Ascorbic acid, Chlorophyll a and Chlorophyll with *Drosophila* Wing Somatic Mutation and Recombination Test. Management Unit of Research Project of Akdeniz University, (**Co-researcher = Dr. Eşref Demir**).

12.1.21. Insecticidal and Genotoxic Activities of Different Rate of Piperonil Butoksid (PBO) Combination with Synthetic Pyrethroids on *Drosophila*

melanogaster. TÜBİTAK, (Co-researcher = Dr. Eşref Demir).

12.1.22. Investigation of Protective Effects Against to Oxidative Damage of Chlorophyllin, Chlorophyll a and Chlorophyll b with *Drosophila* Wing Somatic Mutation and Recombination Test. Management Unit of Research Project of Akdeniz University, (Co-researcher = Dr. Eşref Demir).

12.1.23. Investigation of Mutagenic and Recombinogenic Effects of Some Benzyl Derivatives in *Drosophila melanogaster*. Management Unit of Research Project of Akdeniz University, (Co-researcher = Dr. Eşref Demir).

12.1.24. Investigation of *In Vivo* Adaptive Response Against to UV in *Drosophila melanogaster*. TÜBİTAK, (Researcher/Expert = Dr. Eşref Demir).

13. TEACHING EXPERIENCE AS TEACHING STAFF AND RESEARCH ASSISTANT

UNDERGRADUATE COURSES (ANTALYA BİLİM UNIVERSITY)

Academic Year	Semester	Course Name	Weekly Hours		Student Numbers
			Theoric	Practice	
2018-2019	Fall				
	Spring	Biology	3	-	~ 205

UNDERGRADUATE COURSES (GİRESUN UNIVERSITY)

Academic Year	Semester	Course Name	Weekly Hours		Student Numbers
			Theoric	Practice	
2016-2017	Fall				
	Spring	Cell Biology	3	-	18
		Cell Biology Laboratory	-	2	18

UNDERGRADUATE COURSE LABORATORIES (AKDENİZ UNIVERSITY)

Academic Year	Semester	Course Name	Weekly Hours		Student Numbers
			Theoric	Practice	
2007-2011	Fall	General Biology I Laboratory	-	4	65
		Basic Genetics Laboratory	-	4	45
	Spring	General Biology II Laboratory	-	4	65
		Animal Physiology Laboratory	-	4	45
		Vector Ecology and Control Laboratory	-	2	20