

## CURRICULUM VITAE

(Last Updated: 4 July 2019)

### 1. PERSONAL INFORMATION

|                                 |   |
|---------------------------------|---|
| First Name                      | Fatma   |
| Family Name                     | TURNA DEMİR   |
| Date and Place of Birth, Gender | 01 January 1987, Denizli/TURKEY, Female   |
| Title                           | Doctor (PhD)  |
| Languages                       | Turkish (native tongue)<br>English<br>Foreign Language Examination (YDS): 83.57/100<br>Foreign Language Examination (YÖKDİL): 92.50/100 |
| Address                         | Antalya Bilim University, Vocational School, Medical Laboratory Techniques Programme, 07190, Dosemealti, Antalya, TURKEY                |
| E-mail address                  | <a href="mailto:fatma.demir@antalya.edu.tr">fatma.demir@antalya.edu.tr</a>  |
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| Ext.                            | 5301  |
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### 2. EDUCATION BACKGROUND

| YEARS      | DEGREES | UNIVERSITY                            | FIELD   |
|------------|---------|---------------------------------------|---------|
| 2012- 2018 | Ph.D.   | Akdeniz University,<br>Antalya-Turkey | Biology |
| 2010-2012  | M.Sc.   | Akdeniz University,<br>Antalya-Turkey | Biology |

|           |      |                                       |         |
|-----------|------|---------------------------------------|---------|
| 2005-2010 | B.S. | Akdeniz University,<br>Antalya-Turkey | Biology |
|-----------|------|---------------------------------------|---------|

### 3. ACADEMIC AND PROFESSIONAL EXPERIENCES

| YEARS                             | TITLE  | UNIVERSITY  | DEPARTMENT  |
|-----------------------------------|--|---|---|
| July 2019-<br>Continuous          | Lecturer   | Antalya Bilim<br>University   | Vocational School,<br>Medical Laboratory<br>Techniques<br>Programme   |
| 21 January 2016<br>- 21 July 2016 | Doctoral Research Fellow<br><br>The Scientific and Technological<br>Research Council of Turkey<br>(TÜBİTAK), Science Fellowships<br>and Grant Programmes<br>Department (BİDEB), 2214/A –<br>Abroad Doctoral Research<br>Fellowship Programme | U.S. Food and Drug<br>Administration<br>(FDA), National<br>Center for<br>Toxicological<br>Research (NCTR),<br>Department of<br>Health & Human<br>Services | Division of Genetic<br>and Molecular<br>Toxicology, 3900<br>NCTR Road,<br>Jefferson, 72079,<br>Arkansas/U.S.A |
| September 2011-<br>2018           | Research Assistant   | Akdeniz University,<br>Antalya-Turkey   | Faculty of Sciences,<br>Department of<br>Biology  |
| September 2010-<br>2018           | Domestic Postgraduate<br>Scholarship Programme from the<br>Scientific and Technological<br>Research Council of Turkey<br>(TÜBİTAK-BİDEB 2228 and<br>2211), Ankara (Turkey)   | Akdeniz University,<br>Antalya-Turkey   | Faculty of Sciences,<br>Department of<br>Biology  |

#### 4. RESEARCH INTERESTS

- ✓ Genetics, Genetic Toxicology, Nanogenotoxicity, Environmental Toxicology, Rodent Biology, Animal Bio-monitoring, Nanoparticles, DNA Damage, Genotoxicity, Anti-genotoxicity, Cytogenetic, *Drosophila* Genetics, Food Toxicology, Animal Cell Culture

#### 5. MASTER OF SCIENCE (M.Sc) and DOCTORATE THESIS

- ✓ **TURNA DEMİR, Fatma.** Determination of Heavy Metal Accumulation Levels and Genetic Damage in *Microtus guentheri* Samples Living in Localities with Different Pollution Potentials. Doctorate Thesis, **Supervisor: Assoc. Prof. Dr. Mustafa YAVUZ**, 287 Pages, June 2018.
- ✓ **TURNA, Fatma.** Investigation of Antigenotoxic Effects of Resveratrol in *Drosophila melanogaster*. Akdeniz University, Faculty of Sciences, Department of Biology. Master of Science Thesis, **Supervisor: Prof. Dr. Bülent KAYA**, 63 Pages, July 2012.

#### 6. PROFESSIONAL MEMBERSHIPS

- ✓ Turkish Society of Toxicology (TST), (Member, July 2013 - **Continues**)
- ✓ Federation of European Toxicologists & European Societies of Toxicology (EUROTOX), (Member, July 2013 - **Continues**)
- ✓ International Union of Toxicology (IUTOX), (Member, July 2013 - **Continues**)

#### 7. SCIENTIFIC ACTIVITIES (Panels, Courses, International Symposium and Workshops Attended)

- ✓ Neuroscience Graduate Summer Workshop and Practical Training, 25-29 June 2018, Ankara-TURKEY
- ✓ 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.

- ✓ Current Issues in Applied Biochemistry -2 Biochemistry Graduate Summer School 20-23 August 2015, Aksaray-TURKEY
- ✓ TÜBİTAK-ULAKBİM- 3. Editor and Writer Training Seminar, 6 April 2015, Antalya-TURKEY.
- ✓ Applied Statistics and SPSS Course - Social and Wellness Association - 17-18-24-25 October 2014, Antalya-TURKEY.
- ✓ Certificate Course of Experimental Animal Usage organized by Akdeniz University Local Committee on Animal Research Ethics, 26 October 2010 - 5 November, 2010, Antalya-TURKEY.

## **8. AWARDS & SCHOLARSHIPS (Latest First)**

**8.1.** “Best poster awards - 2nd Prize” International Natural and Health Science Conference, Antalya - TURKEY (19-21 October 2017).

**8.2.** Antalya 3rd Science Festival Certificate of Appreciation (Given for contribution as officer at Festival April 2017, Antalya Metropolitan Municipality, Nisan 2017).

**8.3.** The Scientific and Technological Research Council of Turkey (TÜBİTAK), Science Fellowships and Grant Programmes Department (BİDEB), 2214/A –Abroad Doctoral Research Fellowship Programme – 21 January 2016 - 21 July 2016 (6 months).

**8.4.** The Scientific and Technological Research Council of Turkey (TÜBİTAK), Science Fellowships and Grant Programmes Department (BİDEB), 2211- Domestic Postgraduate Scholarship Programme, September 2012-2018.

**8.5.** The Scientific and Technological Research Council of Turkey (TÜBİTAK), Science Fellowships and Grant Programmes Department (BİDEB), 2208- Domestic Last Year Graduate Student Scholarship Programme (2010-2012).

**8.6** Fourth Rank among Basic Science students in graduation at Akdeniz University, Faculty of Sciences, Department of Biology, (June 2010).

**8.7.** Honor Student in graduation at Akdeniz University, Faculty of Sciences, Department of Biology, (June 2010).

## 9. EXPERIENCES ABROAD (Latest First): 1

**9.1.** The Scientific and Technological Research Council of Turkey (TÜBİTAK), Science Fellowships and Grant Programmes Department (BİDEB), 2214/A –Abroad Doctoral Research Fellowship Programme - 21 January 2016 - 21 July 2016 (6 months). (**Supervisor: Dr. Tao CHEN** [Ph.D., Diploma of American Board of Toxicology (D.A.B.D.)], 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., 21 January 2016-21 July 2016), (**Doctoral Researcher Fellow = Res. Assist. Fatma TURNA** ).

## 10. OTHER SCHOLARSHIPS AND INCENTIVES FOR PUBLICATIONS (Latest First)

### TÜBİTAK International Scientific Publications Incentives Awards (UBYT): 5

**10.1.** 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.

**10.2.** 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

**10.3.** 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: 420-429.

**10.4.** 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.

**10.5.** 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: 221-227.

## 11. ARTICLES PUBLISHED

### A) Articles Published in International Refereed Journals Publications [Science Citation Index (SCI)] = 10 (Ten)

**A1.** 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 Eşen Stream. *Fresenius Environmental Bulletin*, Vol. 24; No. 12 (2015).

**A2.** 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.

**A3.** 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.

**A4.** Demir E., **Turna F.**, Aksakal S., Kaya B., Marcos R. 2014. Genotoxicity of different sweeteners in *Drosophila*. *Fresenius Environmental Bulletin*, 23(12c):3426-3432.

**A5.** **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. **(This publication produced from Master Thesis of Fatma TURNA).**

**A6.** 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.

**A7.** 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.

**A8.** Demir E., Burgucu D., **Turna F.**, Aksakal S., Kaya B. 2013. 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. *Journal of Toxicology and Environmental Health, Part A: Current Issues*, 76 (16): 990-1002.

**A9.** 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.

**A10.** 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.

**B) Articles Published in International Refereed Journals Publications [Other index] = 2 (Two)**

**B1.** **Turna Demir F.**, Yavuz M. 2017. Heavy Metal Accumulation in Kidney of *Microtus guentheri* (Dandford and Alston 1880) From Korkuteli-Antalya, TURKEY. *European International Journal of Science and Technology*, 6(9): 18-26.

**B2.** **Turna Demir F.**, Yavuz M. 2017. Heavy Metal Accumulation in Muscle Tissue of *Microtus guentheri* (Dandford and Alston 1880) From Korkuteli-Antalya, TURKEY. *European International Journal of Science and Technology*, 6(9): 34-50.

**C) Articles Published in National Refereed Journals Publications = 2 (Two)**

**C1.** **Turna Demir F.**, Kılıç M., Aktaş Ö., Yavuz M. 2018. Korkuteli-Antalya, Türkiye'den Yabani *Microtus guentheri* (Dandford and Alston 1880) Kürklü Deri Dokusundaki Ağır Metal Birikiminin Araştırılması. *Tabiat ve İnsan*, Yıl:52, Sayı: 201 Sayfa: 22-31.

**C2.** **Turna F.**, Yavuz M. 2016. Ağır Metal Kirliliği Olan Alanlarda Genotoksisite Tayini ve Biyoizlem Çalışmalarında Bazı Kemirgenlerin Kullanılması. *Nobel Türk Bilimsel Derlemeler Dergisi*, 9: 56-64.

## 12. POSTERS PRESENTED IN CONGRESS

### A) Presented in National Scientific Meetings and Studies Printed in Announcement Books (Proceedings) (Latest First): 17 (Seventeen)

**A1. Turna F.,** Yan J., Yavuz M., Chen T. 2018. Kadmiyum selenit kuantum zerreciklerinin genotoksik etkilerinin insan lenfoblastoid (TK6) hücrelerinde Comet Yöntemi ile araştırılması. 24. Ulusal Biyoloji Kongresi, 10-14 Eylül 2018, Manisa-TÜRKİYE, Özet Kitabı (**Poster Presentation**).

**A2. Turna F.,** Yavuz M. 2016. Ağır Metal Kirliliği Olan Bölgelerde Genetik Hasar Tayini ve Biyoizlem Çalışmalarında Kemirgenlerin Kullanılması. 3. Ulusal Çevre Kongres, 24-28 Eylül 2016, Muğla-TÜRKİYE, Özet Kitabı, 94. Sayfa, (**Poster Presentation**).

**A3. Turna F.,** Aksakal S., Burgucu D., Demir E. 2014. Farklı Nanoboyutlardaki Çinko oksit Nanopartikülünün Genotoksisite 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. 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**).

**A5. Aksakal S., Turna F.,** Kaya B. 2014. Gümüş ve Kobalt Nanopartiküllerinin ve İyonik Formlarının Genotoksik Etkilerinin *In Vivo Drosophila* Komet 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-P3-26, 1292. sayfa, (**Poster Presentation**).

**A6. 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**).



**A7. 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)**.

**A8.** 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)**.

**A9.** 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)**.

**A10.** Çakmak I., **Turna F.,** Aksakal S., Demir E., Kaya B. 2013. *Drosophila* Hemositlerinde Silisyum Dioksit Nanopartikülünün *In Vivo* DNA Hasarınının 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)**.

**A11.** 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)**.

**A12.** 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 Kùltür Merkezi, İZMİR-TÜRKİYE, Özet Kitabı, (SH-007), 290. sayfa, **(Oral Presentation)**).

**A13.** 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 Kùltür Merkezi, İZMİR-TÜRKİYE, Bildiri Kitabı, (PH-061), 1371. sayfa, **(Poster Presentation)**).

**A14.** 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 Kùltür Merkezi, İZMİR-TÜRKİYE, Bildiri Kitabı, (PH-062), 1372. sayfa, **(Poster Presentation)**).

**A15.** **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 Kùltür Merkezi, İZMİR-TÜRKİYE, Bildiri Kitabı, (PH-103), 1409. sayfa, **(Poster Presentation)**).

**A16.** 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 Kùltür Merkezi, İZMİR-TÜRKİYE, Bildiri Kitabı, (PH-002), 1318. sayfa, **(Poster Presentation)**).

**A17.** Güney A., **Turna F.**, 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 Kùltür Merkezi, İZMİR-TÜRKİYE, Bildiri Kitabı, (PH-053), 1364. sayfa, **(Poster Presentation)**).

**B) Presented in International Scientific Meetings and Studies Printed in Announcement Books (Proceedings) (Latest First): 21 (Twenty-one)**

**B1.** Yavuz M, Serpil Kılıç, **Turna Demir F.** 2019. Akdeniz’de yakalanan kirpi (*Erinaceus europaeus*) örneklerinde girişimsel olmayan yöntemle ağır metal kirliliği maruziyetinin değerlendirilmesi. 2nd International Health Science and Life Congress (IHSLC 2019), 24-27 April 2019, Abstract Book - 343. Page (**Poster Presentation**).

**B2. Turna Demir F.,** Yavuz M. 2019. Arsenik maruziyetinin neden olduğu epigenetik değişiklikler ve karsinogenez arasındaki ilişki. 2nd International Health Science and Life Congress (IHSLC 2019), 24-27 April 2019, Abstract Book - 344. Page (**Poster Presentation**).

**B3. Turna Demir F.,** Aktaş Ö, Yavuz M. 2018. A study of bone heavy metal accumulation in levant vole (*Microtus guentheri* - Dandford and Alonso 1880) sites near marble and stone quarries in Korkuteli, Antalya-Turkey. 1st International Health Science and Life Congress (IHSLC 2018), 02-05 May 2018 Abstract Book - Page (**Poster Presentation**)

**B4. Turna Demir F.,** Yavuz M. 2018. Levant vole (*Microtus guentheri* - Dandford and Alonso 1880), A new biomonitor species for ecogenotoxicity with comet assay : A study in the sites that polluted by marble and stonequarries in Korkuteli, Antalya-Turkey. 1st International Health Science and Life Congress (IHSLC 2018), 02-05 May 2018 Abstract Book - Page (**Oral Presentation**)

**B5. Turna Demir F.,** Aktaş Ö, Yavuz M. 2018. Detection of heavy metal accumulation in skin with fur tissue of *Microtus guentheri* (Danford and Alston 1880) collected from polluted sites in Korkuteli, Antalya. 1st International Health Science and Life Congress (IHSLC 2018), 02-05 May 2018 Abstract Book - Page (**Poster Presentation**)

**B6. Turna Demir F.,** Kılıç S., Yavuz M. 2018. Heavy metal content of liver and kidney in levant vole *Microtus guentheri* (Danford and Alston 1880) in the polluted regions in Korkuteli, Antalya-Turkey. 1st International Health Science and Life Congress (IHSLC 2018), 02-05 May 2018 Abstract Book - Page (**Poster Presentation**)

**B7. Turna Demir F.,** Yavuz M. 2017. Genotoxicity Detection using Comet Assay in Levant vole (*Microtus guentheri* - Dandford and Alston 1880) from the Korkuteli-Antalya, TURKEY. International Health and Natural Sciences Conference (INHSC 2017), 19-21 October 2017, Abstract Book 213-214 page (**Oral Presentation**)

**B8. Turna Demir F.,** Kılıç M., Aktaş Ö., Yavuz M. 2017. Heavy metal accumulation in skin tissue with fur of wild *Microtus guentheri* (Dandford and Alston 1880) from the Korkuteli-Antalya, TURKEY. International Health and Natural Sciences Conference (INHSC 2017), 19-21 October 2017, Abstract Book 247-248 page (**Poster Presentation**)

**B9. Turna Demir F.,** Aktaş Ö., Kılıç M., Yavuz M. 2017. Heavy metal accumulation in bone tissue of wild *Microtus guentheri* (Dandford and Alston 1880) from the Korkuteli-Antalya, TURKEY. International Health and Natural Sciences Conference (INHSC 2017), 19-21 October 2017, Abstract Book 249-250 page (**Poster Presentation**).

**B10. Turna F.,** Aktaş Ö., Kılıç M., Yavuz M. 2017. Heavy metal accumulation in liver tissue of wild *Microtus guentheri* (Danford and Alston 1880) from the Korkuteli-Antalya, Turkey. VIII. International Symposium on Ecology and Environmental Problems (ISEEP 2017) 4-7 October 2017, Çanakkale-TURKEY. Abstract Book, 243. page (**Poster Presentation**).

**B11. Turna F.,** Yavuz M. 2017. Genotoxic effects in levant vole (*Microtus guentheri* - Danford and Alston 1880) from the Korkuteli-Antalya, Turkey. VIII. International Symposium on Ecology and Environmental Problems (ISEEP 2017) 4-7 October 2017, Çanakkale-TURKEY. Abstract Book, 106. page (**Oral Presentation**).

**B12. Turna F.,** Yavuz M. 2017. Heavy metal accumulation in muscle tissue of wild *Microtus guentheri* (Danford and Alston 1880) from the Korkuteli-Antalya, Turkey. The 3rd International Symposium on EuroAsian Biodiversity (SEAB 2017), 5-8 July 2017, Minsk-BELARUS. Abstract Book 396. page (**Poster Presentation**).

**B13. Turna F.,** Yavuz M. 2017. Heavy metal accumulation in kidney of wild *Microtus guentheri* (Danford and Alston 1880) from The Korkuteli-Antalya, Turkey. The 3rd International Symposium on EuroAsian Biodiversity (SEAB 2017), 5-8 July 2017, Minsk-BELARUS. Abstract Book 395. page (**Poster Presentation**).

**B14. Turna F.,** Yan J., Xiaoqing G., Yavuz M., Chen T. 2016. Genotoxicity of cadmium selenide quantum dots evaluated using different *in vitro* assays. 8. International Nanotoxicology Congress, (2016) 1-4 June 2016, Boston-USA Abstract Book 279. page (**Poster Presentation**).

**B15. 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)**.

**B16.** Demir E., Aksakal S., **Turna F.**, Kaya B.2013. Genotoxic effects of Silicium 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)**.

**B17.** 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)**.

**B18.** 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)**.

**B19.** **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)**.

**B20.** 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)**.

**B21.** 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)**.

### 13. PROJECTS (Latest First): 6 (Six)

**13.1. Turna Demir F.,** Determination of Heavy Metal Accumulation Levels and Genetic Damage in *Microtus guentheri* Samples Living in Locations with Different Pollution Potentials. Management Unit of Research Project of Akdeniz University. Project ID: FDK-1421, (**Project Leader = Assistant Professor Mustafa YAVUZ**), (2016-2018), (**Co-Researcher = Res. Assis. Fatma TURNA DEMİR**).

**13.2. Turna F.,** Chen T. Investigation of potential genotoxic and cytotoxic effects of Cadmium Selenide Quantum Dots (CdSe QDs) that widely used in various industrial application nanomaterials with the Mutational Spectrum Analysis of Mouse Lymphoma Assay, Comet and Micronucleus tests. The Scientific and Technological Research Council of Turkey (TÜBİTAK), Science Fellowships and Grant Programmes Department (BİDEB), 2214/A –Abroad Doctoral Research Fellowship Programme – 21 January 2016 - 21 July 2016 (6 months).(**Supervisor: Dr. Tao CHEN** [Ph.D., Diploma of American Board of Toxicology (D.A.B.D.)], 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., 21 January 2016-21 July 2016), (**Doctoral Researcher Fellow = Res. Assist. Fatma TURNA**).

**13.3. Demir E., Turna F.,** Aksakal S., Kaya B. 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. (19.04.2012-19.07.2013), (**Co-researcher = Fatma TURNA**).

**13.4. Demir E., Turna F.,** Kaya B. An Investigation of *In vitro* Genotoxic Potential of Different Nanosized Silicium Dioxide Nanoparticles with *Drosophila* SMART and COMET Methods. TUBITAK, (01.11.2012-20.03.2013, 4.5 Month), (**Scholarship = Res. Assis. Fatma TURNA**).

**13.5. Demir E., Turna F.,** Kaya B. An Investigation of Mutagenic and Recombinagenic Effects of Aluminium oxide, Titanium dioxide and Zirconium oxide Nanoparticles with *Drosophila* SMART Method. TUBITAK, (01.08.2011-01.08.2012), (**Scholarship = Res. Assis. Fatma TURNA**).

**13.6. Turna F.,** Kaya B. Investigation of Antigenotoxic Effects of Resveratrol in *Drosophila melanogaster*. Management Unit of Research Project of Akdeniz University. (2011-2012), (**Co-researcher = Fatma TURNA**).

#### **14. TOTAL NUMBER of CITATIONS RECEIVED TO PUBLICATIONS**

(According to *Google Shcolar*): **229 (Two hundred twenty-nine)**

(According to *Web of Science*): **147 (One hundred forty-seven)**

**H-index: 7 (seven)**

**Citing articles by ourselves: 4**

**Citing articles by other researchers: 145**

#### **15. TEACHING EXPERIENCE AS RESEARCH ASSISTANT**

(1) Basic Genetics Laboratory (3 credits)

(2) General Biology I Laboratory (3 credits)

(3) General Biology II Laboratory (3 credits)

(4) Biochemistry I Laboratory (3 credits)

(5) Biochemistry II Laboratory (3 credits)

(6) Tissue Biology Laboratory (2 credits)

(7) Cell Biology Laboratory (2 credits)

(8) Plant Physiology Laboratory (3 credits)

(9) Seedless Plant Biology Laboratory (2 credits)

(10) Biology of Vertebrate Animals Laboratory (2 credits)

## **16. REFEREE TO JOURNALS IN THE SCIENCE CITATION INDEX (SCI): 3**

**16.1.** Journal of Toxicology and Environmental Health, Part A: Current Issues (Manuscript ID: UTEH-2019-0185)

**16.2.** Journal of Toxicology and Environmental Health, Part A: Current Issues (Manuscript ID: UTEH-2019-0144)

**16.3.** Journal of Toxicology and Environmental Health, Part A: Current Issues (Manuscript ID: UTEH-2019-0128)