



CONTACT INFORMATION:

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SUMMARY STATEMENT:

Founder of Forensic Science Dpt., at Al- Istiqlal University. PhD in Biotechnology Istanbul Univ. Area of research: Forensic Sciences, Molecular biology, Cell Biology, Cancer, Environment, Agriculture, Bioethics and Education.

EDUCATION:

2010- 2015	Ph.D.	Istanbul University, Istanbul /Turkey (Biotechnology – Program of Radio-biology)
1997-2001	M.Sc.,	An-Najah National University, Nablus/ Palestine (Biotechnology)
1991-1996	B.Sc.,	An-Najah National University, Nablus/Palestine (Biology)

EMPLOYMENT HISTORY:

2016- Present	Assistant professor, forensic science department, Al-Istiqlal University, Jericho – Palestine.
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Duties:

- Founder and Chairman of Forensic Science Department at Al-Istiqlal University.
- Constructing the curriculum of the forensic science bachelor program at Al-Istiqlal University.
- Teaching undergraduate forensic science courses including “but not limited to”: Forensic biology, introduction to forensic science, forensic evidences, crime scene, biochemistry and forensic medicine, Al-Istiqlal University
- Leading the efforts to establishing a new forensic laboratory at Al-Istiqlal University.
- Developing the model of work and research in the field of forensic sciences in Palestine.
- A member of Al-Istiqlal University Research Journal Council 2016 – 2018.
- A member of ERASMUS + Committee 2017 – 2019, Al-Istiqlal University.
- Providing technical and professional leadership to training the staff and aiding them to apply newly developed test methods for routine analysis.
- Independently, designing and writing report templates for new developed test methods.
- Managing and implementing projects with high level of professionalism.
- Measurements of radon concentration levels in the environment of Jericho - Palestine.
- Genotypic, phenotypic and biochemical characterization of local date palm cultivars, Palestine.
- Teaching graduate Pharmaceutical Biotechnology course- Birzeit University.

2010- 2015

A part time Researcher/ Lecturer, department of biology, Istanbul University, Turkey.

Duties:

- Teaching undergraduate Apoptosis, DNA Damage and Repair, Cancer Genetics and Tissue Culture courses.
- Conducting routine Tissue Culture and molecular cell biology activities including “but not limited to”: Human cancer cells, PCR, Electrophoresis, Apoptosis, Cloning, Cell Proliferation, Cell Viability, RNA Isolation, Real-Time PCR, Microarray, MTT Assay, DNA Extraction and Cancer Radiotherapy.
- Investigating the effect of different plant extracts on antitumor and antiviral activity of cell death mechanisms in tissue culture, Istanbul University.
- Investigating the effects of gamma radiation on molecular mechanisms of apoptosis in cell culture”, Istanbul University.
- Investigating the effect of hypobaric pressure on apoptosis signal pathways, Istanbul University.
- Managing and implementing projects with high level of professionalism.
- Independently, designing and writing report templates.

2005 - 2009

Researcher in Biotechnology Field at the National Agricultural Research Center (NARC). Jenin, Palestine.

Duties:

- Conducting routine laboratories activities including “but not limited to”: PCR, Electrophoresis, DNA Extraction and RNA Isolation.
- Managing and implementing projects with high level of professionalism.

2005 - 2009

A part time Lecturer of Biology and Environmental Science in Al-Quds Open University-Jenin, Palestine.

Duties:

- Teaching undergraduate biological and ecological science courses. Al-Quds Open University-Jenin, Palestine.
- Consultant, Jenin governorate.

2000-2001

Researcher, Arab National Society for Health Research and Services (The Galilee Society)

Duties:

- Studied medicinal plants extraction using deferent solvents and protocols.
- Studied cancer cells vitality and viability using MTT assay.

TEACHING:

2015- Present: Teaching undergraduate forensic science courses including “but not limited to”: Forensic biology, introduction to forensic science, forensic evidences, crime scene, biochemistry and forensic medicine, Al-Istiqlal University

2018: Teaching graduate Pharmaceutical Biotechnology, Birzeit University.

2010- 2015: Teaching undergraduate Apoptosis, DNA Damage and Repair, Cancer Genetics and Tissue Culture courses, department of biology, Istanbul University, Turkey.

2005-2009: Teaching undergraduate biological and ecological science courses. Al-Quds Open University-Jenin, Palestine.

CONFERENCES / TALKS:

- **Khalilia, W. M., Özcan, G., & Karaçam, S. (2018).** “Apoptosis Signalling Pathway in Cervical Cancer Cells Treated with Gama Radiation”, the 2nd International Cell Death Congress, Izmir, Turkey. Oral Presentation, 1-4 November 2018.
- **Khalilia, W. M., (2018).** “The genetic characterization of date palm cultivars in Palestine to identify the most economically and environmentally viable varieties”, The 9th International Conference on Biotechnology and its Role in Promoting Sustainable Development Goals in the Arab World, Khartoum, Sudan. 6-7 Nov.2018.

- Özcan G., Dağdeviren Özsöylemez Ö., Akman G. and **Khalilia W.**, “Anticancer activity of *Colchicum sanguicolle* in HeLa and C-4 I cells”, International Multidisciplinary Studies Congress (IMSC), Antalya, Turkey, Oral Presentation, 197, December, (2017). http://multicongress.org/dosya/bildiri_kitabi.pdf
- Özcan G., Akman G. and **Khalilia W.**, “Antiproliferative effect of hypobaric stress conditions on C-4 I cells”, International Multidisciplinary Studies Congress (IMSC), Antalya, Turkey, Oral Presentation, 78, December, (2017). http://multicongress.org/dosya/bildiri_kitabi.pdf
- Özcan G., Dağdeviren Özsöylemez Ö., Akman G. and **Khalilia W.**, “Investigation of cytotoxic effects of various plant extracts on cell culture”, International Multidisciplinary Studies Congress (IMSC), Antalya, Turkey, Oral Presentation, 79, December, (2017). http://multicongress.org/dosya/bildiri_kitabi.pdf
- Özcan G. and **Khalilia W.**, “Ionizing Radiation Induces Apoptosis by Over Expression of DR6/TNFRSF21 in Human Cervical Carcinoma HeLa Cells”, 15th International TNF Conference, Ghent, Poster Sessions, P-64, May (2015). <http://www.tnf2015.org/pdf/PosterList.pdf>
- Özcan Arican F., **Khalilia W.**, Serbes U., Dağdeviren Ö., Akman G., Arican E., " Studying the Molecular Mechanisms of Anti-proliferative and Apoptosis Induced by Low Pressure (hypobaric) Conditions on Tissue Culture.", 21. National Biology Congress, Izmir, September 3-7 (2012), ss.1333

PUBLICATIONS:

- **Khalilia W. M. (2020).** Journey of recovering from drug addiction in Jerusalem. *مجلة الحكمة* 150–138 ,(1)8, للدراسات الاجتماعية. <https://www.asjp.cerist.dz/en/article/116946>
- Fragkaki, M., Mystakidis, S., Hatzilygeroudis, I., Kovas, K., Palkova, Z. Salah, G. Hamed, **W. M. Khalilia**, Ewais, A., (2020). Tpack instructional design model in virtual reality for deeper learning in science and higher education: from “APATHY” to “EMPATHY”. 12th Annual International Conference on Education and New Learning Technologies (EDULEARN20). <https://www.researchgate.net/publication/342200456>
- **Khalilia, W. M. (2020).** Cytotoxic Activity of Cyclamen Persicum Ethanolic Extract on MCF-7, PC-3 and LNCaP Cancer Cell Lines. *Journal of Natural Sciences Research*, 10(2), 42-46–46. <https://www.iiste.org/Journals/index.php/JNSR/article/view/51147>
- Khalil M. Thabayneh, **Walid M. Khalilia**, Anwar M. Jaradat (2020). Measurements of Indoor Radon Concentrations in Selected Educational Institutions and Homes in Jericho City - Palestine. *Journal of Hebron University*, 10(2), 42-46. <https://www.hebron.edu/docs/journal/A-Natural%20Sciences/v8/v8-40-56.pdf>
- **Khalilia, W. M. (2020).** Assessment of Lead, Zinc and Cadmium Contamination in the Fruit

of Palestinian Date Palm Cultivars Growing at Jericho Governorate. *Journal of Biology, Agriculture and Healthcare*, 10(2), 7-14–14.

<https://www.iiste.org/Journals/index.php/JBAH/article/view/51273>

- **Khalilia, W. M.**, Özcan, G., & Karaçam, S. (2018). Apoptosis Signalling Pathway in Cervical Cancer Cells Treated with Gama Radiation. **Proceedings MDPI**, 2(25): 1531, (2018).
<https://doi.org/10.3390/proceedings2251531>
- **Khalilia W. M.**, Özcan G, Karaçam S. Gene Expression and Pathway Analysis of Radiation-Induced Apoptosis in C-4 I Cervical Cancer Cells. **J Autoimmun Res** 4(1): 1014, (2017).
<https://www.jscimedcentral.com/Autoimmunity/autoimmunity-4-1014.pdf>
- Özcan G., Dağdeviren Ö., Akman G., **Khalilia W.**, Tezel B., Karagöz A., et al., "Screening for antitumour activity of various plant extracts on HeLa and C 4-I cell lines", **Journal of BUON**; 21(6): 1552-1560, (2016). <https://www.ncbi.nlm.nih.gov/pubmed/28039722>
- **Khalilia W.**, Özcan G., and Karaçam S., "Apoptosis Pathways Induced in C-4 I Cervical Cancer Cells Treated with Gamma Radiation", 18th ECCO - 40th ESMO European Cancer Congress Vienna, **European Journal of Cancer**, Volume 51, Suppl. 3, S122- S123, (2015)
DOI: [http://dx.doi.org/10.1016/S0959-8049\(16\)30357-4](http://dx.doi.org/10.1016/S0959-8049(16)30357-4)
- Özcan Arican F.G., **Khalilia W.**, Serbes U., Akman G., Çetin İ., Arican E., "The Effect of Hypobaric Conditions on the Apoptosis Signalling Pathways in Hela Cell", **Asian Pasific Journal of Cancer Prevention**, vol.15, pp.20-28, (2014).
DOI: <http://dx.doi.org/10.7314/APJCP.2014.15.12.5043>
- **Khalilia W.** And Ozcan Arican F.G., "Single-fraction of gamma radiation induces apoptosis in cultured HeLa cervical cancer cells", EACR-23 Munich, **European Journal of Cancer**, Volume 50, Suppl. 5, S221, 2014.
DOI: [http://dx.doi.org/10.1016/S0959-8049\(14\)50803-9](http://dx.doi.org/10.1016/S0959-8049(14)50803-9)
- **Khalilia W. M.** (2001). Medicinal Plants as a Source of Therapeutics for the Treatment of Human-Refractory Prostate Cancer. **MSc. Thesis**. An-Najah University, Nablus, Palestine.
<https://www.researchgate.net/publication/259469516>
- **Khalilia W. M.** (2015). "Effects of gamma radiation on molecular mechanisms of apoptosis in cell culture". **PhD. Thesis**. Istanbul University, Istanbul, Turkey.

SCIENCE RESEARCH AREAS and PROJECTS:

Forensic Sciences/ Cell Biology and Cancer/ Biotechnology/ Environmental and Agricultural studies.

Forensic science:

- "The Model of Work and Research in the Field of Forensic Sciences in Palestine: Towards a New Model Adopted by the Palestinian Al-Istiqlal University Specialized in Security and

Policing Sciences”. Al- Istiqlal University with Université du Québec à Trois-Rivières- Canada. Research Project, 2019- Continue.

Environment:

- “Measurements of Radon-222 Concentration Levels in the Environment of Jericho Governorate- Palestine. Al- Istiqlal University with Hebron University, Research Project, 2018-Continue.”

Agriculture:

- “Genotypic, phenotypic and biochemical characterization of local date palm cultivars to identify the most economically and environmentally feasible cultivars in Jericho Governorate- Palestine. Al- Istiqlal University with FAO, Research Project, 2018-Continue.”
- “Scientific Expert in BENEFIT Project, Al-Istiqlal University instructional and Quality assurance team member and researching duties during the implementation of the Erasmus+ KA2 Project “Boosting Innovation in Education and Research of Precision Agriculture in Palestine/ BENEFIT, (2020-2022).”

Education:

- “Scientific Expert in TESLA Project, Al-Istiqlal University instructional team member and researching duties during the implementation of the Erasmus+ KA2 Project “Virtual Reality as an Innovative and Immersive Learning Tools for HEIs in Palestine / TESLA, (2017-2020).”

Cancer:

- “Investigate the effect of different plant extracts on antitumor and antiviral activity of cell death mechanisms in tissue culture, Istanbul University (BAP), Research Project, 41488, 2015-Continue.”
- “The effects of gamma radiation on molecular mechanisms of apoptosis in cell culture”, Istanbul University (BAP), Ph.D. Project, 25190, 2015.”
- "Effect of hypobaric pressure on apoptosis signal pathways ", Istanbul University (BAP), Research Project, 4157, 2014.”
- "Investigation of the cellular and molecular mechanism of in vitro cytoprotective effect", Istanbul University (BAP), Research Project, 2671, 2013.”
- Medicinal plants from Palestine and their use in treatment of cancer and hepatic diseases,2003.

HONORS and AWARDS:

- An eminent editorial board member of journal “Biodiversity and Environmental Sciences Studies Series (ISSN 1818-3751)” within the discipline of “applied biological sciences”. 2019- Present.
- Reviewer for many journals at NDPI “A pioneer in scholarly open access publishing”: 2019- Present.
- Nominated and participated for Erasmus+ teaching staff mobility personnel programme for 7 days during the period of 8th- 14th of April 2018 at Anadolu University, Turkey.
- Supervisor of Project funded by FAO with cooperation with Ministry of agriculture and NARC, Palestine. 2018- present

- Supervisor of Project funded by HEM, Al-Istiqlal University with Hebron University, Palestine. 2018-present.
- Member in TESLA Project, Al-Istiqlal University instructional team member and researching duties during the implementation of the ERASMUS + Project TESLA “Virtual Reality as an Innovative and Immersive Learning Tools for HEIs in Palestine / Tesla 585772-EPP-1-2017-PS-EPPKA2-CBHE-JP-(2018-0032/001-001)”, (2017-2020).
- Member in BENEFIT Project, Al-Istiqlal University instructional team member and researching duties during the implementation of the ERASMUS + Project BENEFIT “Boosting Innovation in Education and Research of Precision Agriculture in Palestine / Benefit (2019-2022).
- Turkey Government Graduate Student Scholarship, Istanbul University, Turkey, PhD. 2010 - 2015.

SERVICE:

- Founder and Chairman of Forensic Science Department at Al-Istiqlal University 2017-2019.
- Constructing the curriculum of the forensic science bachelor program at Al-Istiqlal University.
- Leading the efforts to establishing a new forensic laboratory at Al-Istiqlal University.
- A Member of the Higher Computer Committee at Al-Istiqlal University, 2019
- A member of Al-Istiqlal University Research Journal Council 2016 – 2018.
- A member of ERASMUS + Committee 2017 – 2019, Al-Istiqlal University.

PROFESSIONAL AFFILIATIONS:

- Premier Member: Arab Society for Forensic Science and Forensic Medicine (**ASFSFM**), Naif Arab University for Security Sciences, Kingdom of Saudi Arabia: 2018 – Present.
- Founding member: Palestinian Society of Biological Sciences (**PSBS**): 2019 – Present.
- Member: European Association for Cancer Research (**EACR**): 2012 - 2016.
- Member: Research Association for Cell Death /Hücre Ölümü Araştırma Derneği (**HÖAD**, Turkey): 2013- Present.
- Expert member: Community Research and Development Information Service (CORDIS), 2016-Present.

WORKSHOPS AND TRAINING COURSES ATTENDED:

- Advanced Techniques in Molecular Biology, **UNESCO** Biotechnology Action Council, Bethlehem University (2008).
- Strategic planning and needs assessment determination by using participatory rapid action for local development. **In Jordan with JICA** (2009).
- Integrated Best Management (IPM). **In Aleppo with ICARDA** (2007).
- Cell Death Bioinformatics Approach. **Izmir-Turkey**, with Cell Death Research Society (HÖAD), (2015).
- BERC 5th Scientific Conference on Wastewater reuse for irrigation of non-food crop plants in Palestine, **Nablus**, Oct. 2017.
- Opportunities for researchers and organizations of third countries workshop, Ramallah, 4 April, 2017 with European Commission/**ERASMUS+ Office in Palestine**.
- The 2nd cooperation workshop for PGSB program. Bethlehem University, **Bethlehem**,

November 12-15, 2017.

- Nuclear Security Forum, **Naif Arab University for Security Sciences**, Kingdom of Saudi Arabia, 3-4 April, 2018.
- Smart Agriculture Application and Development, In **China with CICA**, May 2018.
- Symposium on “Simulation – based Sciences and Engineering”, Al-Quds Open University, Palestine Red Crescent Society, **Ramallah**. 7 – 9 March 2019.
- The 4th cooperation workshop for PGSB program **Ramallah**, April 7-10, 2019.
- Eastern Mediterranean/Arab States **Regional Summit of National Ethics** and Bioethics Committees, jointly organized by WHO/EMRO and UNESCO/Arab States, EMRO, **Cairo, Egypt**, 15–16 December 2019.
- Workshop on “**Ethics in Implementation Research**” jointly organized by WHO/EMRO and UNESCO/Arab States. EMRO, **Cairo**, 17 December 2019.

SKILLS / INTERESTS:

- Language: Arabic/ English/ Turkish
- E- Learning

Date:

June, 2020