

TAHSEEN A.S. SAYARA, Ph.D.

+970 595 590150 (mobile)

+970 9 2686641 (home)

E-mail: tsayara@yahoo.com

t.sayara@ptuk.edu.ps



Personal Data

Full Name: Tahseen Ahmad Subeh Sayara

Nationality: Palestinian.

Date of birth: November 16th, 1978.

Sex: Male

Education Background

2010: Ph.D., with European Doctor Mention, Environmental Science and Technology, *Universitat Autònoma de Barcelona*, Barcelona, Spain.

2007: M.Sc., Environmental Science and Technology, *Universitat Autònoma de Barcelona*, Barcelona, Spain.

2002: B.Sc., Civil Engineering, *BirZeit University*, Ramallah, Palestine.

1997: High School Certificate (Tawjihi), Scientific Stream, Hebron, Palestine.

Research Interests

Soil Water Interactions, Soil Remediation, Solute Transport in soil, Soil Physics and Mechanics, hydrology, Solid waste treatment and management, Hazardous waste management, Environmental impact assessment. Wastewater treatment, Environmental Engineering, Sustainability.

Courses Taught/Teaching Experience

1. Introduction to environmental science.
2. Introduction to environmental engineering
3. Solid waste management
4. Water and Air pollution,
5. Wastewater treatment
6. Environmental impact assessment.
7. Agricultural pollution.

Employment History

September 2015-present: Dean, Faculty of Agricultural Science and Technology, Palestine Technical University- Kadoori. Tulkarm, Palestine

February 2015-August 2015: Assistant of vice president for academic affairs, Palestine Technical University- Kadoori. Tulkarm, Palestine

September 2014- January 2015: Head of Environment and sustainable agriculture department, Faculty of agricultural science and Technology, Palestine Technical University- Kadoori. Tulkarm, Palestine

December 2011- August 2014: Assistant professor, Palestine Technical University- Kadoori. Tulkarm, Palestine

January 2011- November 2011: Research Associate, *Applied Research Institute- Jerusalem (ARIJ)*, Palestine.

2009-2010: Research Assistant (lecturer), *Universitat Autònoma de Barcelona*. Barcelona, Spain.

2003–2006: Projects manager, Joint Services Council for planning and development (JSCPD), Ministry of Local Government, north-west of Hebron, Hebron, Palestine.

Sept. 2002-july 2003: Projects planning Engineer, Jericho Municipality, Ministry of Local Government, Jericho, Palestine.

Research stages (mobility)

✚ May 14th - August 14th, 2010: Academy of the Science of the Czech Republic, Prague, Czech Republic.

Project objectives

- Determination the bioavailability of contaminants in the soil.
- Studying the microbial evolution during bioremediation of contaminated soil through composting and anaerobic digestion.

✚ February 15th -28th, 2009: National School for Engineers in Sfax, Sfax, Tunisia.

Project objective

- Studying the emissions resulted from composting process under different C/N ratios.

Publications (Refereed Journals)

- **Tahseen Sayara**, Yamen Hamdan, Rezaq Basheer-Salimia.2016. Impact of Air Pollution from Quarrying and Stone Cutting Industries on Agriculture and Plant Biodiversity. *Resources and Environment*. Vol. 6, No. 6, pp. 122-126.
- **Tahseen Sayara**. 2016. Environmental Impact Assessment of Quarries and Stone Cutting Industries in Palestine: Case Study of Jamma'in. *Journal of Environment Protection and Sustainable Development*. Vol. 2, No. 4, pp. 32-38
- **Tahseen Sayara**, Basel Amarneh, Tasneem Saleh, Khaled Aslan, Rawaa Abuhanish, Asma Jawabreh.2016. Hydroponic and Aquaponic Systems for Sustainable Agriculture and Environment. *International Journal of Plant Science and Ecology* Vol. 2, No. 3, pp. 23-29.
- رزق بشير-سليمية و تحسين سياةرة. ٢٠١٦. دراسة تأثير التغيرات المناخية على فسيولوجيا شجرة الزيتون بإستخدام تقنيتي تقدير نسبة التمييز النظيري للكربون ($\delta^{13}C$) ونسبة C/N. مجلة الجامعة العربية الامريكية للبحوث (بحث مقبول للنشر).
- **Sayara, T.**, Čvančarová, M., Cajthaml, T., Sarrà, M., Sánchez, A., 2015. Anaerobic bioremediation of PAHs-contaminated soil: assessment of the contaminants degradation and biogas production under thermophilic and mesophilic conditions. *Environmental Engineering and Management Journal*, 14, No. 1, 153-165.
- Saed Khayat, Xavier Martinez Lladó, Basel Natsheh, **Tahseen Sayara**, Nawaf Abu-Khalaf and Yamen Hamdan . 2014. Investigation of the presence of halogenated bi-products formation in the drinking water network in Tulkarm District / Palestine. *Palestine Technical University Research Journal*, 2(1), 29-34.
- Natsheh, B., Abu-Khalaf, N., **Sayara, T.**, Khayat, S., Salman, M., 2013. Multivariate data analysis for bioremediation of con-taminated soil through Interactions between heavy met-als, microbes and plants. *Palestine Technical University Research Journal*, 1(1), 21-28.
- Rodriguez, P. F., **Sayara, T.**, Vicent, T., Folch, A., 2012. Influence of soil granulometry on pyrene desorption using surfactants. *Water, Air, & Soil Pollution*,233,125-133.
- **Sayara, T.**, Borràs, E., Caminal, G., Sarrà, M., Sánchez, A., 2011. Bioremediation of PAHs-contaminated soil through composting: influence of bioaugmentation and biostimulation on the contaminants biodegradation. *International Biodeterioration and Biodegradation*, 65, 859-865.

- **Sayara, T.**, Sarrà, M., Sánchez, A., 2010. Optimization and enhancement of soil bioremediation by composting using the experimental design technique. *Biodegradation* 21, 345-356.
- **Sayara, T.**, Sarrà, M., Sánchez, A., 2010. Effects of compost stability and contaminant concentration on the bioremediation of PAHs contaminated soil through composting. *Journal of Hazardous Materials* 179, 999-1006.
- **Sayara, T.**, Pognani, M., Sarrà, M., Sánchez, A., 2010. Anaerobic degradation of PAHs in soil: effects of PAHs concentration and amendment stability on the biogas production and PAHs degradation. *International Biodeterioration and Biodegradation* 64, 286-292.
- **Sayara, T.**, Sarrà, M., Sánchez, A., 2009. Preliminary screening of co-substrates for bioremediation of pyrene-contaminated soil through composting. *Journal of Hazardous Materials* 172, 1695-1698.
- Ruggieri, L., Gea, T., Mompeó, M., **Sayara, T.**, Sánchez, A., 2008. Performance of different systems for the composting of the source-selected organic fraction of municipal solid waste. *Biosystems Engineering* 101, 78-86.

Publications (Chapters in books)

- **Sayara, T.** 2011. Pollution and Solid Waste Management. Status of the Environment in the occupied Palestinian territory: A human based approach-2011. Applied Research Institute-Jerusalem (ARIJ), Bethlehem, Palestine. Pages 527-559.
- Issac, J., Hilal, J., Khair, A., Ghattas, R., **Sayara, T.** 2011. Sustainability within the Palestinian Context. Status of the Environment in the occupied Palestinian territory: A human based approach-2011. Applied Research Institute-Jerusalem (ARIJ), Bethlehem, Palestine. Pages 581-594.

Conferences

- **Sayara, T.**, 2013. Bioremediation of PAHs-Contaminated Soil under Anaerobic Methanogenic-Conditions. Oral presentation, 3rd International Conference on Energy and Environmental protection. October 9-10, *Palestine Polytechnic University*, Hebron, Palestine.
- **Sayara, T.**, 2012. Feasibility of bioaugmentation and biostimulation in composting of PAHs-contaminated soil. Oral presentation. Third conference of biotechnology research and application in Palestine. October 20th, 2012 at Al-Quds University / Abu-Dies campus, Palestine.
- **Sayara, T.**, 2012. Dimension of water crisis on agriculture sector in the occupied Palestinian territory. Oral presentation. The 7th Scientific Agricultural Conference, October 8-10, 2012, Jordan University of Science and Technology, Irbid, Jordan.

- **Sayara, T., Sarrà, M., Sánchez, A., 2009.** Composting technology and its application in the Bioremediation of PAHs contaminated soils. Oral presentation, 2nd International Conference on Energy and Environmental protection. November 10-12, *Palestine Polytechnic University*, Hebron, Palestine.
 - Member of the scientific and organizing committees of the conference “Third International conference on olive in Palestine”. Palestine Technical University, December 7-8, 2016, Tulkarm, West Bank, Palestine.
 - Chairman of the conference “Plants Genetic Resources in Palestine”, Palestine Technical University-Kadoorie, September 21, 2016, Tulkarm, West Bank, Palestine.
 - Member of the scientific committee of the conference” Fourth International Conference on Energy and Environmental Protection in Sustainable Development (ICEEP IV)”, Palestine Polytechnic University, April 6-7, 2016, Hebron, West bank, State of Palestine.
 - Member of the scientific and organizing committees of the conference “Water crisis and agriculture development in Palestine”. Palestine Technical University, May 21-22, 2012, Tulkarm, West Bank, Palestine.
 - Member of the scientific committee of the conference” Third International Conference on Energy and Environmental Protection in Sustainable Development (ICEEP III)”, Palestine Polytechnic University, October 9-10, 2013, Hebron, West bank, State of Palestine.

Seminars and workshops

- **Sayara, T.,** November, 2010: Soil contamination: magnitude of the problem and remediation technologies. Seminar for Master students in environmental studies, *Universitat Autònoma de Barcelona*.
- February, 2008: II Jornades tècniques sobre el compostatge, COMPOSTARC 2008. Sestema del compostatge. Universidad Politecnica de Cataluña. Barcelona, Spain.

Special reports

The economic costs of the Israeli occupation for the occupied Palestinian territory, Applied Research Institute-Jerusalem (ARIJ), Bethlehem, Palestine

Projects

- Assessment the Agricultural wells in Jordan Valley. 2011, Applied Research Institute-Jerusalem (ARIJ), Bethlehem, Palestine. (Funded by JICA).
- Establishing a road map for assessing the damages caused by Israeli occupation. 2011, Applied Research Institute-Jerusalem (ARIJ), Bethlehem, Palestine. (This project was carried out in collaboration with the negotiation affairs department)

Languages

- Arabic: Fluent spoken and written (mother language).
- English: Very good spoken and written.
- Spanish: Very good spoken and written.

Computer skills

Very good in Microsoft programs (WinWord, Excel, PowerPoint).

Additional information

- Member of Engineers Association, Jerusalem, Palestine.