

LUCY SEMERJIAN, PhD	MAILING ADDRESS: Department of Environmental Health Sciences College of Health Sciences University of Sharjah P.O.Box 27272 Sharjah , UAE TEL: 00 971 6 505 7426 FAX: 00 971 6 505 7502 E-mail: lsemerjian@sharjah.ac.ae
----------------------------	---

ACADEMIC QUALIFICATIONS

July 2005	Ph.D. in Environmental Sciences School of Archeological, Geographical and Environmental Sciences University of Bradford, West Yorkshire – United Kingdom
June 2000	M.S. in Environmental Sciences (Major: Environmental Technology) Faculty of Engineering & Architecture (FEA) American University of Beirut (AUB), Beirut – Lebanon
July 1994	B.S. in Health Sciences (Major: Medical Laboratory Technology) Faculty of Health Sciences American University of Beirut, Beirut – Lebanon

PROFESSIONAL EXPERIENCE

Sep 2017 - Present	Chairperson Department of Environmental Health Sciences College of Health Sciences University of Sharjah (UOS) – Sharjah, UAE
June 2021 - Present	Associate Professor Department of Environmental Health Sciences College of Health Sciences University of Sharjah (UOS) – Sharjah, UAE
Sep 2015 – June 2021	Assistant Professor Department of Environmental Health Sciences College of Health Sciences University of Sharjah (UOS) – Sharjah, UAE
Oct 2014 – Aug 2015	Environmental Consultant – Lead Water Quality and Wastewater Expert for “Development of Environmental Health for the Emirate of Dubai - Dubai Municipality”, for <i>Earth Link and Advanced Resources Development</i> , Lebanon/Dubai, UAE
Jan 2014 – Aug 2015	Environmental Consultant - Lead Water Quality Expert for “Water Quality Survey for the Common Seawater Supply Project – South Oil Company”, for <i>Earth Link and Advanced Resources Development</i> , Lebanon/Dubai, UAE
Jan. 2014-June 2014	Adjunct Faculty in Environmental Science and Technology Department of Civil Engineering, School of Engineering American University in Dubai (AUD) –Dubai, UAE

Jan 2001-July 2013	Research Associate/Lecturer/Coordinator of Environmental Engineering Research Center Civil & Environmental Engineering (CEE)-FEA American University of Beirut (AUB), Beirut - Lebanon
Nov. 1994-Dec. 2000	Senior Master in Environmental Control Department of Civil & Environmental Engineering-FEA American University of Beirut – Lebanon

TEACHING EXPERIENCE

Lecturer/Co-lecturer for the following courses:

Environmental Sampling and Analysis – Environmental Science and Engineering/UOS (G, 2022-present)

Water and Wastewater Sanitation – Environmental Health/UOS (UG, 2015-present)

Integrated Solid Waste Management – Environmental Health/UOS (UG, 2015-present)

Management of Hazardous Wastes – Environmental Health/UOS (UG, 2015-present)

Environmental Legislations – Environmental Health/UOS (UG, 2015-present)

Local Environmental Issues – Environmental Health/UOS (UG, 2015-present)

Marine Ecology – Environmental Health/UOS (UG, 2015-present)

Marine Ecology – Environmental Science and Engineering/UOS (G 2021-present)

Seminar in Env. Health Science– Environmental Health/UOS (G, 2021-present)

Graduation Projects – Environmental Health/UOS (UG, 2015-present)

Introduction to Health Sciences – Environmental Health/UOS (UG, 2016-2017)

Environmental Engineering with Laboratory – Civil Engineering/AUD (UG, 2014)

Environmental Microbiology – CEE/AUB (UG, 2005-2013)

Water and Wastewater Treatment & Laboratory – CEE/AUB (G/UG, 2003-2013)

Environmental Technology – CEE/AUB (G, 2007-2008)

Environmental Engineering – CEE/AUB (UG, 2006-2008)

Environmental Chemistry & Microbiology – CEE/AUB (G, 2001-2004)

Methods of Environmental Sampling and Analysis – CEE/AUB (G, 2002-2004)

PROFICIENCY AREAS

Water quality and treatment

Wastewater treatment and reuse

Emerging environmental contaminants (pharmaceuticals, hormones, personal care products)

Environmental/aquatic chemistry

Water/wastewater microbiology

Environmental sampling methods and protocols

Environmental analyses, instrumentation, and data analysis

Solid/hazardous waste management

Environmental pollution control

AWARDED RESEARCH GRANTS

Duration	Title	Supporting Agency	Amount
2022-2024	Wastewater Surveillance: A potential early detection and tracking tool for presence, prevalence, and circulation of SARS-CoV-2 in communities of Sharjah UAE Lucy Semerjian (PI) , Abdallah Shanableh, Mohammad Hamad, Mohamad Abdallah, Amina AlMarzooqi, Anthony Okoh	University Research Board - UOS	80,000.- AED
2020-2022	Ecological Risk Assessment of Pharmaceuticals and Hormones in the UAE Aquatic Environment Lucy Semerjian (PI) , Abdallah Shanableh, Mohammad Harb Semreen	University Research Board - UOS	80,000.- AED
2019-2020	Worker Wellness Wearable Program Team Leader: Ms. Arwa AlShujairi Prof Taleb Al Tel, Prof Rani Samsudin, Dr. Rifat Hamoudi, Dr. Lucy Semerjian , Dr. Basema Saddik, Dr. Hafiz Hasan	DUBAI EXPO 2020, UAE	800,000.- AED
2019-2021	Heavy metals and microbiological burdens of road-deposited dusts in Sharjah, United Arab Emirates: Multivariate analysis and health risk assessment Dr. Lucy Semerjian (PI) , Dr. Hafiz Omer	University Research Board - UOS	80,000.- AED
2016-2018	Emerging Contaminants Affecting Wastewater Reuse in The Emirate of Sharjah, United Arab Emirates A. Shanableh, L. Semerjian , M. Harb Semreen, SRA	UOS, Sharjah Research Academy,	80,000.- AED
2016-2018	Assessing Water Quality in Building Water Storage Tanks in Selected Areas of Sharjah. L. Semerjian (PI)	University Research Board - UOS	32,000.- AED
2013 -2014	Occurrence of Pharmaceuticals and Hormones in Effluent Discharges and Rivers in Lebanon. M. Al-Hindi, D. Salam, W. Saad, L. Semerjian	FEA Dean's Office, AUB	\$ 21,300
2012-2013	Bioremediation of PAH-contaminated marine sediments using sediment microbial fuel cells. D. Salam, H. Hamdan, L. Semerjian , P. Saikaly	University Research Board-AUB	\$ 10,000
2009-2011	Microbial fuel cells and thermophilic anaerobic digestion: Biotechnology advancements providing sustainable solutions to energy insecurity in developing countries P. Saikaly, M. El-Fadel, E. Barbour, L. Semerjian , and S. Ghanimeh	Munib & Angela Masri Institute of Energy & Natural Resources, Lebanon	\$ 20,000
2003-2005	Assessment of trihalomethane formation in selected public drinking waters of Lebanon.	National Council for	7,000,000 LBP

	G.M. Ayoub and L. Semerjian	Scientific Research, Lebanon	
--	------------------------------------	------------------------------------	--

GRADUATE THESIS SUPERVISION

1. MSc thesis main supervisor, "Food Waste Management in Hospitality Sector: Challenges and Opportunities", Sara Al Darras, MSc Environmental Science and Engineering, University of Sharjah, Fall 21-22
2. MSc thesis main supervisor, "Quantitative microbial risk assessment of wastewater treatment plant workers exposure to SARS-CoV-2: Sharjah central wastewater treatment plant as case study", Rami Elhadi, MSc Environmental Health, University of Sharjah, Spring 21-22
3. MSc thesis co-supervisor, "Survival of Selected Foodborne Pathogens in Ready-to-Eat Avocado Dip: Role of Added Antimicrobials", Rameez Aldaour, MSc Environmental Health, University of Sharjah, Spring 21-22
4. MSc thesis External Examiner, "Ecological risk modelling of antiretroviral drugs in the aquatic environment: A case study of Eswatini", Phephile Ngwenya, MSc Applied Science (Water Utilization), Department of Chemical Engineering, University of Pretoria, South Africa, July 2022
5. PhD thesis committee member, "Microbial degradation of high molecular weight PAHs and weathered crude oil using marine SMFCs", H. Hamdan, PhD Environmental and Water Resources Engineering, American University of Beirut, Lebanon, July 2019.
6. MS thesis committee member, "Effect of Algal Surface Area And Species Interactions in Toxicity Testing Bioassays", L. Kamareddine, MS Environmental Technology, Faculty of Engineering & Architecture, American University of Beirut, Lebanon, Sep 2017.
7. Thesis committee member, "Bioremediation of PAH-contaminated marine sediments using sediment microbial fuel cells", H. Hamdan, MS Environmental Technology, AUB, 2014.
8. Thesis committee member, "Transfer of bacteria and pharmaceuticals via vapor in solar desalination units", L. Dahdah, MS Environmental Technology, AUB, 2013.
9. Thesis committee member, "Integrating microbial fuel cells into rotating biological contactor systems for simultaneous wastewater treatment and electricity generation", R. Sayess, MS Environmental Technology, AUB, 2011.
10. Thesis committee member, "Harvesting electricity from the organic fraction of municipal solid waste using microbial fuel cells", J. El Chakhtoura, MS Environmental Technology, AUB, 2011.

UNDERGRADUATE GRADUATION PROJECTS SUPERVISION

1. Graduation Project Supervisor, "Impact of COVID-19 on Marine Ecosystems and Aquatic Environments", Hind Othman Alhamadi, Eman Saleh Janeeh, Shaika Mohamed Alduhoori", Environmental Health Sciences, UOS, Spring 2021-22

2. Graduation Project Supervisor, "Detection of Bisphenol A in Thermal Paper Receipts in Sharjah and its Exposure to Humans", Najla Alawadhi, Amna AlKaabi, Haya Nader Alami, Khulud Abdulaziz Nazer, Environmental Health Sciences, UOS, Spring 2020-21
3. Graduation Project Supervisor, "A review on indoor air quality in Office Buildings", Asma Khaled Hamad, Environmental Health Sciences, UOS, Fall 2020-21
4. Graduation Project Supervisor, "A Review Project on Occupational Hazards in Various Work Environments", Rawan Al-Alami, Sara Al-Darras, Maitha Alhammadi, Rami Elhadi, Environmental Health Sciences, UOS, Spring 2019-20
5. Graduation Project Supervisor, "A Review Project on Occupational Hazards in Various Work Environments", Rawan Al-Alami, Sara Al-Darras, Maitha Alhammadi, Rami Elhadi, Environmental Health Sciences, UOS, Spring 2019-20
6. Graduation Project Supervisor, "Heavy Metals Concentrations in Marine Organisms: A Literature Review", Aisha Humaid Alhosani, Khulood Khamis Bakhit, Mahra Jassem Abdullah, Nana Fatima Hamidu Sa'ad, Environmental Health Sciences, UOS, Spring 2019-20
7. Graduation Project Supervisor, "Effects of Adding Dried Sardine Fish in Irrigation Water Tanks on Water Quality and Growth of Plants: Case Study from Sharjah- United Arab Emirates", Afra Khalfan Al Ketbi and Meera Musabeh Al Teneiji, Environmental Health Sciences, UOS, Spring 2018-19 (1st place winner from Environmental Health Sciences, CHS Annual Students Research Forum, University of Sharjah, May 2, 2019).
8. Graduation Project Supervisor, "Water Quality Assessment of Urban and Rural Artificial Surface water bodies in United Arab Emirates", Ala Rahma Saeed Alshamsi and Mohammed Sami Abdulaziz, Environmental Health Sciences, UOS, Spring 2018-19 (2nd place winner from Environmental Health Sciences, CHS Annual Students Research Forum, University of Sharjah, May 2, 2019).
9. Graduation Project Supervisor, "Radioactivity in bottled waters, associated doses and lifetime risk assessment in the United Arab Emirates", Hadya AlRajabi, Nimra Naaz, and Rim Kasfah, Environmental Health Sciences, UOS, Spring 2017-18 (Winner of best Graduation Project Award from EHS, CHS Research Forum/UoS).
10. Graduation Project Supervisor, "A Comparative Study of Microbial Contamination Between University and Household Bottled Water Dispensers", M. Ibrahim and B. Mohammed, Environmental Health Sciences, UOS, Fall 2017-18.
11. Graduation Project Supervisor, "What is in Your Household Water Storage Tank? A Quality Assessment in Selected Areas of Sharjah", H. Obaid and H. Zarouni, Environmental Health Sciences, UOS, Spring 2016-17 (6th place Graduation Project Award from CHS, CHS Research Forum/UoS).

12. Graduation Project Supervisor, “Management of Sensitive Marine Species during Construction of Artificial Coastal Developments in UAE: The Case of Coral Reefs”, J. Al Mheiri, Environmental Health Sciences, UOS, Spring 2016-17.
13. Graduation Project Supervisor, “Water Quality Assessment of Selected Public Water Coolers in Sharjah, UAE”, A. Yousef, N. Al Jabri, and S. Abdulmonim, Environmental Health Sciences, UOS, Spring 2015-16.
14. Graduation Project Supervisor, “Microbial Concrete”, E. Haber, E. Mouannes, S. Kayali El Alem, J. Ewies, and H. Al Daawi, Final Year Project – Civil and Environmental Engineering, Faculty of Engineering & Architecture, American University of Beirut, Lebanon, 2014 (Best Graduation Project Award, CEE/FEA/AUB).

ACADEMIC PUBLICATIONS

www.researchgate.net/profile/Lucy_Semerjian;
<https://scholar.google.ae/citations?hl=en&user=RjrxhAMAAAJ>;
<https://www.scopus.com/authid/detail.uri?authorId=14326045700>; <https://orcid.org/0000-0002-6683-2075>

1. Zarreen Badar, Abdallah Shanableh, Ali El-Keblawy, Kareem A. Mosa, **Lucy Semerjian**, Abdullah Al Mutery, Muhammad Iftikhar Hussain, Sourjya Bhattacharjee, François Mitterand Tsombou, Sefeera Sadik Ayyaril, Islam . M. Ahmady, Attiat Elnaggar, Muath Mousa, Mohammad H. Semreen (Published 21 June 2022). “Assessment of Uptake, Accumulation and Degradation of Paracetamol in Spinach (*Spinacia oleracea* L.) under Controlled Laboratory Conditions, *Plants*, 11, 1626-1649. <https://doi.org/10.3390/plants11131626>
2. Abiodun O. Adeniji, Kunle Okaiyeto, Mosotho A. George, Emmanuel B. Tanor, **Lucy Semerjian**, Anthony I. Okoh (accepted in July 2022). "A systematic assessment of research trends on polycyclic aromatic hydrocarbons in different environmental compartments using bibliometric parameters", *Environmental Geochemistry and Health (Published Online)*.
3. Ohoro, C.R., Adeniji, A.O., **Semerjian, L.**, Okoh, A.I., Okoh, O.O. “Occurrence and Risk Assessment of Poly-brominated Diphenyl Ethers in Surface Water and Sediment of Nahoon River Estuary, South Africa”, *Molecules*, 27(3), 832, 2022.
4. Iwu, C.D.; Iwu-Jaja, C.J.; Elhadi, R.; **Semerjian, L.**; Okoh, A.I. “Modelling the Potential Risk of Infection Associated with *Listeria monocytogenes* in Irrigation Water and Agricultural Soil in Two District Municipalities in South Africa”. *Microorganisms*, 10, 181, 2022. <https://doi.org/10.3390/microorganisms10010181>
5. **Semerjian, L.**; Okaiyeto, K.; Ojemaye, M.O.; Ekundayo, T.C.; Igwaran, A.; Okoh, A.I. “Global Systematic Mapping of Road Dust Research from 1906 to 2020: Research Gaps and Future Direction”, *Sustainability*, 13, 2021. <https://doi.org/10.3390/su132011516>
6. Chinemerem Ruth Ohoro, Abiodun Olagoke Adeniji, **Lucy Semerjian**, Omobola Oluranti Okoh, Anthony Ifeanyi Okoh, “Occurrence and distribution of pharmaceuticals in surface water and sediment of Buffalo and Sundays River estuaries, South Africa and their ecological risk assessment, *Emerging Contaminants*, 7: 187-195, 2021. <https://doi.org/10.1016/j.emcon.2021.09.002>

7. Kayode AJ, **Semerjian L**, Osaili T, Olapade O and Okoh AI., "Occurrence of Multidrug-Resistant *Listeria monocytogenes* in Environmental Waters: A Menace of Environmental and Public Health Concern". *Frontiers in Environmental Science*, 9:737435. doi: 10.3389/fenvs.2021.737435
8. **L. Semerjian**, M. Al-Bardan, MGH. Kassar, "Assessment of Water Quality Variations from Mains to Building Storage Tanks in Sharjah, United Arab Emirates", *Environmental Monitoring and Assessment*, 193:629, 2021. <https://doi.org/10.1007/s10661-021-09409-z>
9. **Lucy Semerjian**, Mariyam M. Ibrahim, Bakhita M. Alkhateri, "A comparative study of microbial contamination between public institutional and private residential bottled water dispensers", *Environmental Monitoring and Assessment*, 192:259, 2020. DOI 10.1007/s10661-020-8231-4.
10. **Lucy Semerjian**, Hadya Alrajaby, Nimra Naaz, Rim Kasfah, Entesar Z. Dalah, Eithar Waheed, Amal Nabalssi, Walid A. Metwally, "Age-dependent effective ingestion dose estimations and lifetime risk assessment for selected radionuclides (40K and 3H) in bottled waters marketed in United Arab Emirates", *Chemosphere*, 249, 2020 doi.org/10.1016/j.chemosphere.2020.126114
11. **Semerjian, L.**, Obaid, H., and Zarouni, H., "Stored Water Quality in Household Roof Tanks of Villas in Selected Areas of Sharjah, United Arab Emirates", *Wessex Institute of Technology Transactions on Ecology and the Environment*, vol. 239, 2019.
12. M. Semreen, A. Shanableh, **L. Semerjian**, H. Alniss, M. Mousa, X. Bai, and K. Acharya, "Simultaneous Determination of Pharmaceuticals by Solid-Phase Extraction and Liquid Chromatography-Tandem Mass Spectrometry: a case study from Sharjah Sewage Treatment Plant", *Molecules*, 24, 633, 2019, doi:10.3390/molecules240306332019.
13. **L. Semerjian**, A. Shanableh, M. Semreen, M. Samarai, "Human Health Risk Assessment of Pharmaceuticals in Treated Wastewater Reused for Non-potable Applications in Sharjah, United Arab Emirates", *Environment International*, 121, pp. 325-331, 2018.
14. **L. Semerjian**, "Removal of Heavy Metals (Cu, Pb) from Aqueous Solutions Using Pine (*Pinus halepensis*) Sawdust: Equilibrium, Kinetic, and Thermodynamic Studies, *Environmental Technology & Innovation*, 12, pp. 91-103, 2018.
15. E. Dalah, H. Elmehdi, K. Al Humaidan, **L. Semerjian**, "Estimate of UAE commercial aircrew effective doses using CARI6, EPCARD and SIEVERT codes", *Radiation Protection Dosimetry*, Nov 2019 ;185(1):109-115. doi: 10.1093/rpd/ncy280.
16. A. Shanableh, M. Semreen, **L. Semerjian**, M. Abdallah, M. Mousa, N. Darwish and Z. Baalbaki, "Presence and Fate of Contaminants of Emerging Concern (CECs) In Sharjah Main Wastewater Treatment Plant", *Journal of Environmental Engineering and Science*, published on-line 24 October, 2018, <http://dx.doi.org/10.1680/jenes.18.00029>.
17. **Semerjian, L.**, Abdulmonim, S., Al-Jabri, N., and Yousef, A., "Water Quality Assessment of Selected Public Water Coolers in Sharjah, UAE", *Wessex Institute of Technology Transactions on Ecology and the Environment*, vol. 216, 2017.
18. Hamdan H., Salam, D., Hari, A.R., **Semerjian, L.**, Saikaly, P., "Assessment of the performance of SMFCs in the bioremediation of PAHs in contaminated marine sediments under different redox conditions and analysis of the associated microbial communities", *Science of the Total Environment*, 575C, pp. 1453-1461, 2017. <http://dx.doi.org/10.1016/j.scitotenv.2016.09.232>

19. **Semerjian, L.**, Damaj, A., and Salam, D., “Comparative study of humic acid removal and floc characteristics by electrocoagulation and chemical coagulation”, *Environmental Monitoring and Assessment*, 187(11), pp. 670-685, 2015.
20. Sayess, R., Saikaly, P. E., El-Fadel, M., Lib, D., and **Semerjian L.**, “Reactor performance in terms of COD and nitrogen removal and bacterial community structure of a three-stage rotating bioelectrochemical contactor”, *Water Research*, 47(2), pp. 881-94, 2013.
21. Saadeh M., **Semerjian, L.**, and Amacha, N., “Physicochemical evaluation of the upper Litani River watershed, Lebanon,” *The Scientific World Journal*, vol. 2012, Article ID 462467, 2012.
22. Ayoub, G. M., Hamzeh, A., and **Semerjian, L.**, “Post treatment of tannery wastewater using lime/bittern coagulation and activated carbon adsorption”, *Desalination*, vol. 273, No. 2-3, pp.359-365, 2011.
23. **Semerjian, L.**, “Equilibrium and kinetics of cadmium adsorption from aqueous solutions using untreated *Pinus halepensis* sawdust”, *Journal of Hazardous Materials*, vol. 173, pp. 236-242, 2010.
24. **Semerjian, L.**, “Quality assessment of various bottled waters marketed in Lebanon”, *Environmental Monitoring and Assessment*, vol. 172, No. 1-4, pp. 275-285, 2010.
25. **Semerjian, L.**, Dennis, J., and Ayoub, G. “Trihalomethane formation potential in selected drinking waters of Lebanon”, *Water Science and Technology: Water Supply*, vol. 9, issue 3, pp. 321-335, 2009.
26. **Semerjian, L.**, Dennis, J., and Ayoub, G. “Modeling the formation of trihalomethanes in drinking waters of Lebanon”, *Environmental Monitoring and Assessment*, vol. 149, issue 1, pp. 429-436, 2009.
27. **Semerjian, L.**, Dennis, J., and Ayoub, G. “Spatial and seasonal evolution of trihalomethanes in water distribution systems in Lebanon”, *Journal of Water Supply: Research & Technology-AQUA*, vol. 56, No. 4, pp. 263-273, 2007.
28. **Semerjian, L.**, and Dennis, J. “Multipathway risk assessment of trihalomethane exposure in drinking water of Lebanon”, *Journal of Water & Health*, vol. 5, No. 4, 511-522, 2007.
29. Ayoub, G., and **Semerjian, L.** “Low cost processes for the removal of phosphates in water and wastewater”, *International Journal of Environmental Technology and Management*, vol. 6, No. 5, pp. 448-465, 2006.
30. **Semerjian, L.**, El-Fadel, M., Zurayk., R., and Nuwayhid, I., “An interdisciplinary approach to environmental education”, *Journal of Professional Issues in Engineering Education and Practice*, American Society of Civil Engineers, vol. 130, No. 3, pp. 173-181, 2004.
31. **Semerjian, L.**, and Ayoub, G. M., “High pH-magnesium coagulation-flocculation in wastewater treatment”, *Advances in Environmental Research*, vol. 7, No. 2, pp. 141-155, 2003.
32. El-Fadel M., Maroun R., **Semerjian L.**, and Harajli H., “A health-based socio-economic assessment of drinking water quality: The case of Lebanon”, *Management of Environmental Quality: An International Journal*, vol. 14, No. 3, pp. 353-368, 2003 (**Emerald Literati Award of Excellence 2004**)
33. Ayoub, G., **Semerjian, L.**, Acra, A., El-Fadel, M., and Koopman, B. “Heavy metal removal by coagulation with seawater liquid bittern”, *Journal of Environmental Engineering*, American Society of Civil Engineers, vol. 127, No. 3, pp.196-207, March 2001.
34. El-Fadel, M., Massoud, M., and **Semerjian, L.** "Energy related GHG emissions: Assessment of emission factor uncertainty", *World Resource Review*, vol. 13, No. 1, pp. 61-73, 2001.

CONFERENCES AND SYMPOSIA (PARTICIPATED AS SPEAKER)

1. **L. Semerjian**, Najla Alawhadi, Amna Alkaabi, Khulud Nazer, “Assessment of Bisphenol a in Thermal Paper Receipts in Sharjah and its Exposure to Humans”, 2nd Forum for Women in Research, August 2021
2. Mohsin Siddique, **Lucy Semerjian**, Imad Alsayouf, Maamar Bettayeb, Zaid A. Al-Sadoon, Bushra Hussein Al Jaberi, Fatma Eltarabishi, Shahd Ibrahim AlSane, “Water Conservation and Management Practices at the University of Sharjah to Achieve Sustainability Excellence”, The 6th International Workshop on UI GreenMetric and the 3rd International Conference on Green, University, Zanjan, September 2020.
3. **Semerjian, L.**, Obaid, H., and Zarouni, H., “Stored Water Quality in Household Roof Tanks of Villas in Selected Areas of Sharjah, United Arab Emirates”, 5th *International Conference on Water and Society*, Oct 2-4, 2019, Valencia, Spain.
4. **L. Semerjian**, “Removal of Heavy Metals from Aqueous Solutions Using Pine (*Pinus halepensis*) Sawdust: Equilibrium, Kinetic, and Thermodynamic Studies”, *The Third Symposium on Chemistry and Environment*, University of Sharjah, Jan 24, 2019.
5. Hadya Al Rajabi, Nimra Naaz, Rim Kasfah, and **Lucy Semerjian**, “Radioactivity in bottled waters, associated doses and lifetime risk assessment in the United Arab Emirates”, 12th *Dubai International Food Safety Conference*, 29-31 Oct 2018 (First-place winner award- student presentation)
6. **L. Semerjian**, H. Al Rajabi, N. Naaz, R. Kasfah, “Radioactivity in bottled waters, associated doses and lifetime risk assessment in the United Arab Emirates”, *Dubai International Nutrition Congress*, 24-26 Oct, 2018.
7. A. Shanableh, M. Semreen, **L. Semerjian**, M. Mousa and N. Darwish, “Presence and Fate of Contaminants of Emerging Concern (CECs) In Sharjah Main Wastewater Treatment Plant”, *International Conference on Civil and Infrastructure Engineering (ICCIE'2018)*, March 13-14, 2018, American University of Ras Al Khaimah (AURAK) – Ras Al Khaimah, UAE
8. **Semerjian, L.**, Abdulmonim, S., Al-Jabri, N., and Yousef, A., “Water Quality Assessment of Selected Public Water Coolers in Sharjah, UAE”, 4th *International Conference on Water and Society*, June 5-7, 2017, Seville, Spain.
9. Hamdan H., Salam, D., Hari, A.R., **Semerjian, L.**, Saikaly, P., “Bioremediation of PAHs-Contaminated Marine Sediments Using SMFCs Under Different Redox Conditions”, *Fourth International Symposium on Bioremediation and Sustainable Environmental Technologies*, May 22-25, 2017, Miami, Florida, USA.
10. **Semerjian, L.**, “Untreated pine (*Pinus halepensis*) sawdust: A promising cost-effective adsorbent for minimizing environmental health risks from cadmium pollution”, *International Conference on Solutions for a Better Life: Future World Leaders*, 21-25 Feb 2016, UOS, UAE.
11. **Semerjian, L.**, Haber E., Mouannes, E., Kayali ElAlem, S., Ewies, J, and Al Daawi, H., “Microbial Concrete”, 13th *FEA Student and Alumni Conference*, American University of Beirut, 2014 (**Best Paper Award**)

12. Sayess R., Saikaly P., El-Fadel M. , Ayoub G. , and **Semerjian L.** “Integrating Microbial Fuel Cells into Rotating Biological Contactor Systems for Simultaneous Wastewater Treatment and Electricity Generation”, *Third International Microbial Fuel Cell Conference*, Netherlands, June 6-8, 2011.
13. **Semerjian, L.**, Dennis, J., and Ayoub, G. “Occurrence, formation, and speciation of trihalomethanes in drinking waters of Lebanon”, *Proceedings of 10th International Conference on Environmental Science and Technology (CEST 2007)*, Kos Island, Greece, 5-7 Sep, 2007.
14. Ayoub, G., and **Semerjian, L.** “Low cost processes for the removal of phosphates in water and wastewater”, *First International Conference on Sustainable Urban Wastewater Treatment and Reuse*, 15-16 Sep 2005, Nicosia, Cyprus.
15. Ayoub, G., **Semerjian, L.**, and El-Fadel, M. “Seawater liquid bittern: A potential coagulant for heavy metals”, *Lebanese National Council for Scientific Research Conference*, 23-25 November 2000, American University of Beirut, Lebanon.

ACADEMIC AWARDS & RECOGNITION (PERSONAL AND SUPERVISION)

- ❑ Sharjah Islamic Bank Award for Distinguished Research 2018-2019: Faculty Category – **Dr. Lucy Semerjian**
- ❑ First-place award from the Department of Environmental Health Sciences for the Graduation Project “Effects of Adding Dried Sardine Fish in Irrigation Water Tanks on Water Quality and Growth of Plants: Case Study from Sharjah- United Arab Emirates”, Afra Khalfan Al Ketbi and Meera Musabeh Al Teneiji, (**Semerjian, L.** –Research Project Supervisor), College of Health Sciences Students Research Forum, University of Sharjah, May 2019.
- ❑ Second-place award from the Department of Environmental Health Sciences for the Graduation Project “Water Quality Assessment of Urban and Rural Artificial Surface water bodies in United Arab Emirates”, Ala Rahma Saeed Alshamsi and Mohammed Sami Abdulaziz, (**Semerjian, L.** –Research Project Supervisor), College of Health Sciences Students Research Forum, University of Sharjah, May 2019.
- ❑ First-place winner award- student presentation for “Radioactivity in bottled waters, associated doses and lifetime risk assessment in the United Arab Emirates”, Hadya Al Rajabi, Nimra Naaz, and Rim Kasfah (**Semerjian, L.** –Research Project Supervisor), 12th *Dubai International Food Safety Conference*, 29-31 Oct 2018.
- ❑ Second runner up award in the 18th Cycle of Intercollege Environmental Public Speaking Competition organized by Emirates Environmental Group in the Theme “Impact of Fashion and Make up Industry on the Environment”, Students: Sara Al Darras, Rawan Al Alami, Mohamed Sami Abdelazim, Rami El Taher, and Mahmoud El Gohary (**Semerjian, L.** – Academic Supervisor), 27-28 Nov 2018, Dubai Knowledge Park, UAE.
- ❑ First-place award from the Department of Environmental Health Sciences for the Graduation Project “Radioactivity in bottled waters, associated doses and lifetime risk assessment in the United Arab Emirates”, Hadya AlRajabi, Nimra Naaz, and Rim Kasfah (**Semerjian, L.** – Research Project Supervisor), College of Health Sciences Students Research Forum, University of Sharjah, May 2018.
- ❑ First-Prize winner in the 17th Cycle of Intercollege Environmental Public Speaking Competition organized by Emirates Environmental Group in the Theme: People and the Planet "Finding a

Sustainable Balance", Students: Hadya Al Rajaby, Rim Kasfah, Nimra Naaz, Mariyam Ibrahim (Semerjian, L. – Academic Supervisor), 27-28 Nov 2017, Dubai Knowledge Park, UAE.

- ❑ Finalist participant at the 6th United Arab Emirates Undergraduate Research Competition Forum, Abu Dhabi University, 30 April 2018, ““A Comparative Study of Microbial Contamination Between University and Household Bottled Water Dispensers”, Students: M. Ibrahim and B. Mohammed, (Semerjian, L. – Research Project Supervisor), Environmental Health Sciences, College of Health Sciences, University of Sharjah.
- ❑ Finalist participant at the 5th United Arab Emirates Undergraduate Research Competition Forum, Abu Dhabi University, 8 May 2017, “What is in Your Household Water Storage Tank? A Quality Assessment in Selected Areas of Sharjah”, Students: H. Obaid Al Jahdami and H. Ahmad Zarouni (Semerjian, L. – Research Project Supervisor), Environmental Health Sciences, College of Health Sciences, University of Sharjah.
- ❑ Best Paper Award for Final Year Project “Microbial Concrete” Haya Al Daawi, Janan Ewies, Elias Haber, Elie Mouannes, Sarah Kayali El-Alem (Semerjian, L. – Final Year Project Supervisor), 13th Faculty of Engineering and Architecture Student and Alumni Conference, American University of Beirut, 2014.
- ❑ International Biodiversity Day at AUB (IBDAA) Award (Research Category) for the CIVE 351: Environmental Microbiology course project “Biofuel cells: Current applications and environmental sustainability” (Semerjian, L. – Research Project Supervisor), Civil and Environmental Engineering, Faculty of Engineering and Architecture, American University of Beirut, 2010.
- ❑ Emerald Literati Award of Excellence 2004 for “A health-based socio-economic assessment of drinking water quality: The case of Lebanon”, *Management of Environmental Quality: An International Journal*, vol. 14, No. 3, pp. 353-368, 2003 by El-Fadel M., Maroun R., Semerjian L., and Harajli H.
- ❑ Dean’s Honor List for Academic Achievement, 1991, 1992, Faculty of Health Sciences, American University of Beirut

ACADEMIC COMMITTEES & WORKGROUPS (UNIVERSITY, COLLEGE, DEPARTMENTAL, UOS 2016 – PRESENT)

1.	Lead preparation of the Program Re-Accreditation Application (Self-study) and Response to CAA report for the Bachelor of Science in Environmental Health Science - Department of Environmental Health Sciences, CHS, UoS, 2020-present
2.	Lead preparation of the Program International Accreditation Application to Accreditation Agency in Health and Social Sciences (AHPGS) for the Bachelor of Science in Environmental Health Science - Department of Environmental Health Sciences, CHS, UoS, 2022-present
3.	STARS (Sustainability Tracking, Assessment & Rating System) Committee member (Water Category), University of Sharjah, Dec 2019-present
4.	Greenmetric World University Ranking on Sustainability Committee member (Water Category), University of Sharjah, Sep 2019 - present
5.	Curriculum Sustainability Circle committee member, Sustainability Office at University of Sharjah, May 2022 -present
6.	Sustainability Circle Leader - Water Science and Technology, Sustainability Office at University of Sharjah, Feb 2018-present

7.	Committee member in preparing the Business Plan proposal for a Master of Science in Env. Health - Department of Environmental Health Sciences, UoS, 2015-16
8.	Committee member and coordination in preparing the Initial Accreditation Application and Response to CAA report for the Master of Science in Environmental Health - Department of Environmental Health Sciences, CHS, UoS, 2016- 2020.
9.	Committee member in Master of Science in Environmental Science and Engineering Program Management Committee – College of Engineering, UoS, May 2020- Present
10.	Committee member in preparing the Business Plan proposal for a Master of Science program in Environmental Science and Engineering – College of Engineering, UoS, 2016.
11.	Committee member in preparing the Initial Accreditation Application and response to CAA report for the Master of Science program in Environmental Science and Engineering – College of Engineering, UoS, March 2017- 2020
12.	Committee member in preparing the new Bachelor of Science program in Food Process Engineering – College of Engineering, UoS, Dec 2019- Present
13.	Member (2020-2021) in “Graduate Studies Committee”, College of Health Sciences, UoS
14.	Member (2020-present) in “Examination and On-line Assessment Committee”, College of Health Sciences, UoS
15.	College of Health Sciences Research and Conference Committee member, UoS, 2017/2018 and 2019/2020
16.	College of Health Sciences Research Forum Organizing Committee member, UoS, 2017
17.	Member (2016-present) and Rapporteur (2017 - 2018) in College of Health Sciences Council member, UoS.
18.	Member (2015-present) and Rapporteur (2016-2017) in EHS Department Council, Environmental Health Sciences, College of Health Sciences, UoS
19.	Member in the College Recruitment Committee (2018-present), College of Health Sciences, UoS

SCHOLARLY/COMMUNITY SERVICES (2015-PRESENT)

Ministry of Education Commission of Academic Affairs Certified Reviewer Project workshops (1, 2, and 3) (Nov –March 2022)
External Examiner for MSc thesis: ”Ecological risk modelling of antiretroviral drugs in the aquatic environment: A case study of Eswatini” University of Pretoria, South Africa, July 2022
Guest Speaker, 21 st school students environmental workshops, Emirates Environment Group, 25-27 Oct, 2021
EHS at “CHS Walk through a Healthy Life” Event , Dec 2021
Mentor, CFAD students information posters on Environmental topics, April 2022
Motivating students for volunteering at Expo Dubai 2020, Sep 2021 -Jan 2022
“Water and Environment Day - Towards a Sustainable Campus” event organization, 23 March 2022
Contributing member in Team Sharjah in the Solar Decathlon Middle East 2020, 2020-present
Mentoring EHS students to participate in 21 st Intercollege Environmental Public Speaking Competitions organized by Emirates Environmental Group (Nov 2021)
Earth Day seminar “Environment and Sustainability” to Al-Futtaim Group, April 21, 2022
“How the Environment Can Affect Our Health” seminar to Health Promotion Dept., Sharjah Supreme Council for Family Affairs, Jan 17, 2022
Academic Accreditation reviewer for a UAE Higher Education institution as part of UAE Ministry of Education Commission, Nov 2021

Expert Advice and collaboration with Sharjah Municipality on Wastewater treatment and management, June 2021
On-line Sustainable Universities - Global Practices & SDG Course (17 weeks, seven countries) Sustainability Office in collaboration with UI GreenMetric World University Rankings, April 2021-Jan 2022
Interview with Sharjah TV on Department of Environmental Health Sciences, June 2021
Sharjah Oasis for Technology and Innovation (SOTI) workshop “Water, Environment, and Energy” theme panelist, April 2021
Member of Judging Panel “Think Sustainability” Competition, Deanship of Students Affairs, University of Sharjah, March 2021
Member of the Scientific Committee of the 3rd Euro-Mediterranean Conference for Environmental Integration (EMCEI), held in Sousse, Tunisia on 10–13 June 2021.
Career Day Talk for G8 school students at Raffles World Academy, Dubai, Feb 2021
Speaker at the 1st National Workshop on UI GreenMetric World University Rankings for Universities in UAE (Water Theme), Sep 2020
Contributing member in Team Sharjah in the Solar Decathlon Middle East 2020, 2020-present
Mentoring EHS students to participate in Intercollege Environmental Public Speaking Competitions organized by Emirates Environmental Group (Nov 2020)
Mentoring EHS students to participate in Solar Decathlon Middle East project by UoS Department of Architectural Engineering (Nov 2020-present)
Speaker (Environmental Health Discipline) at “MOE 3rd Annual Subject Teachers Forum and Future Professional Development for Health Sciences Teachers”, Jan 9, 2020, Ajman, UAE
Member of the Scientific Committee of the 2nd Euro-Mediterranean Conference for Environmental Integration (EMCEI), held in Sousse, Tunisia on 10–13 October 2019.
Participation for expert advice in Drafting the Biosafety Federal Law by Federal National Council, 19 Jan 2020
Health, Environment, and Community Awareness 2019 participation at University of Sharjah, 23 Oct 2019
Mentoring students in their participation in Youth Circles by Ministry of Climate Change and Environment, Nov 2019
Mentoring students in their participation in Al Marah Festival for Health and Fitness by Ministry of Education, 29 and 30 JAN 2020
Environmental Health Sciences Preceptors training and appreciation workshop June 2019
Member of the “2019 Think Science Competition Scientific Review Committee” (Nov 2018)
Member of the “2018 Think Science Competition Scientific Review Committee” (Nov 2017)
Sustainability Circle Leader - Water science and technology, Sustainability Office at University of Sharjah, Feb 2018-present
Participation (oral presentation) in <i>Innovation in Research: Innovate for Health</i> , Ministry of Health and Prevention/University of Sharjah, 10 Feb, 2019
Member of the International Scientific Committee (by invitation) “Third International Symposium on Materials, Electrochemistry, and Environment” (CIMEE 2019)”, Lebanese University, Lebanon, March 2019
Editorial Board Member for “ <i>Frontiers in Environmental Science, Microbiology and Bioengineering and Biotechnology</i> ” (Nov 2017-Present)

Health, Environment, and Community Awareness 2018 participation at University of Sharjah, 23 Oct 2018
Selected Judge in 6 th UAE Undergraduate Research Competition, 30 April 2018
Health Awareness 2017 participation at University of Sharjah, 3 Oct 2017
Member of the International Scientific Committee (by invitation) “Le Premier Colloque International: Les Matériaux, Electrochimie et Environnement (CIMEE)” Ecole Doctorale Sciences et Technologie et la Faculte de Sante Publique, Lebanese University, Lebanon, 22-24 Sep, 2016.
Reviewer (by invitation) for submissions to UAE Graduate Students Research Conference (27-28 April, 2016)
UOS Open Day Activities representative for CHS: 2016 - present
Delivered “Water Pollution and Conservation” awareness public lecture to school students, Raffles World Academy, Dubai, UAE, May 2016.
Mentored EHS students to participate in Intercollege Environmental Public Speaking Competitions organized by Emirates Environmental Group (2017 and 2018)
Reviewer for reputable scientific journals, 2010-present

ACADEMIC/RESEARCH CONFERENCES, WORKSHOPS & SEMINARS/WEBINARS ATTENDED

Emerging Trends in Hybrid & Flexible Student-Centered Learning-Hybrid-Flexible (HyFlex) Instruction Supporting Student Success in Challenging Times and Beyond "organized by the Institute of Leadership in Higher Education August 31, 2021
Emerging Trends in Hybrid & Flexible Student-Centered Learning-Why open Educational Resources (OER) are Essential for Hybrid Learning "organized by the Institute of Leadership in Higher Education August 26th, 2021
Research Fair Talk#1: Link Your Thesis to Community Challenges” 15 March 2022
Research at UOS: Opportunities, Grants and Expectations, March 3, 2022
Sharjah International Conference on Education in Post COVID-19 (Future Trends in Teaching & Learning: Employability & Skills Driven Curriculum) , April 2022
Your Guide to Scopus Journals, April 25, 2022
Why Open Educational Resources (OER) are Essential for Hybrid Learning, August 26,2021
The Sustainable Energy and Power Systems Research Center, February 2, 2022
Pre-Award: Research Funding Opportunities Grants and Guidelines October 28, 2021
A journey of discovery into the CRISPR –Cas genome engineering technology 25 May 2022, University of Sharjah and AstraZeneca
14th Research Café Talk “Leadership for the Greater Good” 17 October 2021
“How to use SPIN Database to Find External Funding Opportunities 4 November 2021
“How to use Turnitin software” workshop 14 October 2021
“Understanding Infinite Change in Complex Workplace Settings” Webinar , 2022
Participation (Exhibitor) in 2 nd Forum for Women in Research, 26 Aug 2021
University of Sharjah and Sharjah Electricity and Water Authority Collaborative Projects, May 2021
The COVID-19 Pandemic and the Future of Global Health Governance, April 2021
1st International Forum on Sustainable Development and Sustainable Innovations, April 2021

How to Teach Effectively Online, JASME UK, April 2021
Using Zoom and MS Teams as a Second Camera for invigilating Online Exams, UoS ACS/IT, March 2021
Workplace posture and ergonomics: tips and take-home strategies for Faculty, March 2021
A practical guide to Yoga Break at office for Faculty members – wellbeing during COVID-19 pandemic, Feb 2021
OVCGRS Research Café Talk: When I should stop doing research, Feb 2021
ACS/IT Labster Virtual Labs Training, Jan 2021
Post-Award research Funding Opportunities – Grants and Guidelines, Jan 2021
Research at UOS: Opportunities, Grants, and Expectations, 2021
OVCGRS Research Café Talk: Power and Challenges of Interdisciplinary Research, Nov 2020
COVID-19 Projections for the Middle East, UOS Epidemiology and Biostatistics Unit, Nov 2020
COVID-19 and Children, UOS Epidemiology and Biostatistics Unit, Nov 2020
Administering and Troubleshooting Online Exams – 2, UoS – ACS/IT, Nov 2020
OVCGRS Research Café Talk: Creativity 4 the 4 th IR, Oct 2020
Pre-Award research Funding Opportunities – Grants and Guidelines, Oct 2020
UoS CoGS - Graduate Studies: from Admission to Graduation (MSc), Oct 2020
COVID-19 Air Testing, Eurofins EMLab, Oct 2020
Precise testing of pesticides in food using the SCIEX 7500 System, Oct 2020
Successful Online Exams: The Faculty Perspectives, UoS Institute of Leadership in Higher Education, Oct 2020
Student Engagement at a Time of Change & Transformation, UoS Institute of Leadership in Higher Education, Oct 2020
Advanced e-assessment skills: Crafting credible exam questions and effective online proctoring, Oct 2020
Enhancing In-class Student Engagement Using Mentimeter and Kahoot, Medical Education Centre, Sep 2020
Elsevier Research Academy SciVal Training, Sep 2020
Eurofins COVID-19 Sentinel Program Environmental Testing Strategies, Eurofins EMLab, Sep 2020
Participation (Exhibitor) in 1 st Forum for Women in Research, 26 Aug 2020
COVID-19: Ensuring safe water in sparsely occupied buildings, July 2020
Coronavirus (CoV) SARS-CoV-2 Testing for Environmental Samples, Eurofins, May 2020
Springer Nature Introduction to Open Access Workshop at UoS, July 2020
Higher Education After COVID-19, Women Speaker Series, June 2020
International Solid Waste Association Young Professional Group Conference July 2020
COVID-19: Wastewater based Epidemiology, International Water Association, July 2020
COVID-19: The water regulator's response confirmation, International Water Association, April 2020

Health and Safety of Solid Waste Management Workers and Employers, International Solid Waste Association, May 2020
COVID-19: A water professional's perspective, International Water Association, April 2020
Women in Research Workshop on "Google G Suite", Office of Vice Chancellor for Research and Graduate Studies, Dec 8, 2019
Research Ethics and Applications Seminar, College of Medicine, Nov 11, 2019
Medical Education 2.0-A Better Way, Health Services Administration Department, Nov 7, 2019
Role of Research in Health Professions Education, Medical Education Center, UoS, 17 March 2019
Assessment in Health Professions Education: Challenges and opportunities symposium, Medical Education Center, UoS, 3 Feb 2019
"Panel Discussion: Let's Health Ocean Health", organized by Emirates Environmental Group and United Nations Environment Programme (UNEP), 30 Jan 2019, Abu Dhabi, UAE
Attendance of World Future Energy Summit, Water Expo, EcoWaste Expo and forums, Abu Dhabi, UAE (13-16 Jan 2019)
"Principles of Flipped Lecture: What, why, how, what if?" (by Prof. Emma Sutton and Dr. Paul Everden – University of East Anglia – UK), Medical Education Center, UoS, 4 & 11 Nov 2018.
Hands on training: Applications to support flipping the classroom. Medical Education Center, UoS, 11 Nov 2018
Good Academic Writing Seminar Series, UoS, Oct-Dec 2018
12th Dubai International Food Safety Conference, Dubai, UAE (27-28 Oct, 2018)
Dubai International Nutrition Congress, UAE (24-26 Oct, 2018)
18th Cycle of Intercollege Environmental Public Speaking Competition organized by Emirates Environmental Group, Nov 2018, Dubai Knowledge Park, UAE
Attendance of World Green Economy Summit, Dubai, UAE (24-25 Oct 2018)
"Guidance Manual on Biological Waste Treatment", Ministry of Climate Change and Environment, 7 Nov, 2018
"Graduate Executive Regulations for Faculty Members", College of Graduate Studies, UoS, 11 Oct, 2018
"Strategic Instruction and Services for University Students with Learning Difficulties", Institute of Leadership in Higher Education/ Beacon College, UoS, 19-20 Sep 2018
ExamSoft Training Workshop, College of Medicine UoS, 29 May 2018
Assessment: Principles, Marking, and Feedback (by Prof. Claire Milsom), Institute of Leadership in Higher Education, UoS, 22-24 April 2018
"Panel Discussion on the topic Innovation, Sustainable Development – New Manifesto for SDGs", organized by Emirates Environmental Group, 18 Feb 2018, Modul University, Dubai, UAE
"Setting Expectations for Learning in a Course" (by Prof. Jeffrey Froyd), Institute of Leadership in Higher Education, UOS, 14 Jan 2018
"Designing Course-based Assessment Approaches" (by Prof. Jeffrey Froyd), Institute of Leadership in Higher Education, UOS, 16 Jan 2018
"Research-based Course Design – Putting it all Together" (by Prof. Jeffrey Froyd), Institute of Leadership in Higher Education, UOS, 18 Jan 2018

“Clean Air Forum” hosted by Environment Agency-Abu Dhabi and Department of Economic Development – Abu Dhabi, 10-11 Dec, 2017
17 th Cycle of Intercollege Environmental Public Speaking Competition organized by Emirates Environmental Group, 27-28 Nov 2017, Dubai Knowledge Park, UAE
The 5 th Emirati-German Congress in Medicine, UoS, 25-27 Nov 2017
World Green Economy Summit, Dubai International Convention and Exhibition Centre, Dubai, UAE, 24-25 Oct, 2017 (also attended the Water, Energy, Technology and Environment Exhibition, WETEX)
“Development of Innovation, Entrepreneurship, Start up, Spin off, Incubation, and Acceleration”, Center for Continuing Education and Professional Development in collaboration with University of Malaga – Spain, and European Association EBN, UoS, 9-11 October, 2017
Training workshop on “iThenticate: Professional Plagiarism Prevention”, UoS, 9 Nov 2017
“Branding and Social Media Policy at UoS”, UoS, 4 Oct 2017
“UAE Towards a Cleaner Production”, Ministry of Climate Change and Environment, Emirates Global Aluminum, UAE (2 Oct, 2017)
Promoting Deep Learning Using Internet Technologies, Institute of Leadership in Higher Education, UOS, 1 May 2017.
Joint Workshop on Interdisciplinary Collaboration of Research Institute of Medical and Health Sciences and Research Institute of Science and Engineering, UOS, 13 April 2017.
Strategic Planning and Leadership in Higher Education, Institute of Leadership in Higher Education, UOS, 7-9 March 2017.
“The United Nations Sustainable Development Goals (SDGs) and Their Implementation with Reference to the Gulf” (by Drs. Olof Linden and Anders Wijkman), American University of Sharjah, 15 Feb 2017
“Research and Publishing in Higher Education” (by Prof. Jeffrey Froyd, University of Texas A&M), Institute of Leadership in Higher Education, UOS, 2 Feb 2017
Designing an Instructional Plan Incorporating Research-based Instructional Strategies (by Prof. Jeffrey Froyd, University of Texas A&M), Institute of Leadership in Higher Education, UOS, 1 Feb 2017
Attended Taskstream workshop by Deanship of Quality Assurance, Institutional Effectiveness and Accreditation Team, UOS, January 24, 2017
Blackboard Collaborate for interactive online teaching and learning, Academic Computing Section, Information Technology Center, UOS, UAE (27 Nov., 2016)
National Workshop on National Biosafety Framework, Ministry of Climate Change and Environment, Dubai, UAE (18-19 April, 2016)
University of Sharjah By-Laws for Faculty Promotion, UOS, UAE (11 April 2016)
17 th International Conservation Workshop for Arabia’s Biodiversity, Environment and Protected Areas Authority, Sharjah, UAE (8-11 Feb, 2016)
Training workshop on Taskstream, UOS, UAE (Jan, 2016)
Training workshop on HR Self-Service: online CV & Credentials update, UOS,(Jan 2016)
15 th Annual Student Workshop “Global Environmental Challenges – From Green Attitude to Green Action”, EEG, Dubai, UAE (5 Nov. 2015)
10 th Dubai International Food Safety Conference, Dubai, UAE (27-28 Oct, 2015)
University of Sharjah By-Laws for New Faculty, UOS, UAE (24-25 Aug, 2015)

Development of skills in the use of e-services at UOS, UAE (1 Sep, 2015)
Effective Use of Technology Tools in Teaching Academic Computing Center, American University of Beirut, Lebanon (2010)
Moodle-Level I and II - Course Management Academic Computing Center, American University of Beirut, Lebanon (2006)
Seminar on Developing a Teaching Portfolio Center for Teaching and Learning, American University of Beirut, Lebanon (2005)
WebCT-Level I and II - Course Management Academic Computing Center, American University of Beirut, Lebanon (2005)
Turnitin - Plagiarism Prevention Academic Computing Center, American University of Beirut, Lebanon (2005)
Service Excellence Seminar, American University of Beirut, Lebanon (2001)

PROFESSIONAL LABORATORY TRAINING AND DEVELOPMENT

Nov 2019	Metals Analysis Evolution – Basic Principles to the Latest in Trace Metals (webinar), Eurofins TestAmerica, United States of America.
March 2017	The Relationship of the Field Sampler & the Lab (webinar), Test America Laboratory, Inc. On-line Educational Programs, United States of America
Nov 2016	Chemical analysis of sediments – Sediments are more than wet dirt (webinar), Test America Laboratory, Inc. On-line Educational Programs, United States of America
Nov 2016	Inside the black box of an environmental testing laboratory – basic analytical procedures (webinar), Test America Laboratory, Inc. On-line Educational Programs, United States of America
March 2013	Theories and hands-on training of Gas Chromatography Agilent Technologies, Environmental Engineering Research Center, American University of Beirut, Lebanon
March 2013	Theories and hands-on training of High Performance Liquid Chromatography, Agilent Technologies, Environmental Engineering Research Center, American University of Beirut, Lebanon
March 2011	Training workshop on “Wastewater Treatment and Reuse”, UNESCO-IHE Institute for Water Education, ENPI Horizon 2020 Capacity Building/Mediterranean Environment Programme, Beirut, Lebanon
Dec 2011	Training session on real-time polymerase chain reaction (RT-PCR), KAS Central Research Science Laboratory-AUB
Jan 2011	Training - Scanning Electron Microscopy, KAS Central Research Science Laboratory-AUB

May 2006	Theories and hands-on training of Thermo Atomic Absorption Spectrophotometer (Flame, graphite furnace, hydride generation), Thermo Electron Corporation, Cambridge, United Kingdom
Dec. 2004	Theories and hands-on training of NOVA 2200 Automated Surface Area and Pore Size Analyzer with NOVA AWIN2 software, Central Research Science Laboratory-AUB
Nov. 2000	Theories/ hands-on training: ICP, HPLC, GC, UV-VIS Core Environmental Laboratory-AUB/Environmental Institute-Slovakia
May-June 1996	Environmental Analytical Techniques and Instrumentation: Atomic Absorption Spectrometry, Gas Chromatography, Elemental Analysis, United States Environmental Protection Agency, Ohio, USA
May –June 1996	Environmental Analytical Techniques and Instrumentation Atomic Absorption Spectrometry, Gas Chromatography, Oil Analysis, Elemental Analysis University of Cincinnati, Cincinnati, Ohio, USA
April 1996	Introduction to LC and HPLC DOS ChemStation, Ref 1116 Hewlett Packard, Americas Technical Center, Atlanta, Georgia, USA
April 1996	HP 6890/ALS/Asterix ChemStation Operation, Ref. 1117 Hewlett Packard, Americas Technical Center, Georgia, USA

PROFESSIONAL & EDITORIAL MEMBERSHIP

2006-present	Member, International Water Association (IWA)
2016-present	Member, Water Environment Federation (WEF)
2017-present	Editorial Board Reviewer: <i>Frontiers in Environmental Science</i> , <i>Frontiers in Microbiology</i> <i>Frontiers in Bioengineering and Biotechnology</i>

JOURNALS/CONFERENCE REVIEWER

- IWA Young Water Professionals Conferences
- Water Research
- Science of the Total Environment
- Environmental Science and Technology
- Journal of Cleaner Production
- Journal of Hazardous Materials
- Water Science and Technology, Water Science and Technology: Water Supply
- Environmental Pollution

- Chemical Engineering Journal
- International Journal of Chemical Reactor Engineering
- Science of the Total Environment
- Bio-resource Technology
- Water Resources Management
- Environmental Monitoring and Assessment
- Journal of Food Quality
- Environmental Technology & Innovation
- Environmental Engineering and Management Journal
- Desalination and Water Treatment
- Food Science and Technology
- Euro-Mediterranean Journal of Environmental Integration
- Reviewer for submissions to UAE Graduate Students Research Conference 2016

LANGUAGE PROFICIENCIES & COMPUTER SKILLS

English, Arabic, Armenian	Spoken, Written, and Read Fluently
French	Spoken and Read: working knowledge

Proficient in Microsoft Office and MacOS applications. Knowledgeable in SPSS, GWsoftware/
GWchart, and GIS/ArcView