

## **FACULTY PUBLICATIONS 2010-2019**

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. Journal Publication

**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. Journal Publication

**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. Journal Publication

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*, 2018 (in print), 1-7. Journal Publication

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>. Journal Publication

**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. Conference Proceedings

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) Conference Proceedings

**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. Conference Proceedings

Sedra Habib, **Hafiz O. Ahmed**, Naema Al-Muhairi, and Reem Ziad. Preliminary Study: Environmental Assessment of Perchloroethylene in Dry-Cleaning Facilities in the UAE.

Journal of Environmental and Public Health; 2018 Volume 2018, Article ID 1732906, 5 pages. Journal Publication

**Ahmed HO.** Occupational Noise Exposure in Juices Manufacturing Factory in UAE  
Journal Publication

**Mustafa, N. E. M.** (2018) Prevalence of food allergy among United Arab Emirates (UAE) population, a meta- analysis study, Toxicology Letters 295 (Supplement 1), S147  
Conference Proceedings

1. <b>Semerjian, L.</b> , Abdulmonim, S., Al-Jabri, N., and Yousef, A., “Water Quality Assessment of Selected Public Water Coolers in Sharjah, UAE”, <i>4<sup>th</sup> International Conference on Water</i>
2. Hamdan H., Salam, D., Hari, A.R., <b>Semerjian, L.</b> , Saikaly, P., “Bioremediation of PAHs-Contaminated Marine Sediments Using SMFCs Under Different Redox Conditions”, <i>Fourth International Symposium on Bioremediation and Sustainable Environmental Technologies</i> , May 22-25, 2017, Miami, Florida, USA.
3. <b>Semerjian, L.</b> , Abdulmonim, S., Al-Jabri, N., and Yousef, A., “Water Quality Assessment of Selected Public Water Coolers in Sharjah, UAE”, <i>Wessex Institute of Technology Transactions on Ecology and the Environment</i> , vol. 216, 2017.
4. Hamdan H., Salam, D., Hari, A.R., <b>Semerjian, L.</b> , 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”, <i>Science of the Total Environment</i> , 575C, pp. 1453-1461, 2017. <a href="http://dx.doi.org/10.1016/j.scitotenv.2016.09.232">http://dx.doi.org/10.1016/j.scitotenv.2016.09.232</a>
5. <b>Semerjian, L.</b> , “Untreated pine ( <i>Pinus halepensis</i> ) sawdust: A promising cost-effective adsorbent for minimizing environmental health risks from cadmium pollution”, <i>International Conference on Solutions for a Better Life: Future World Leaders</i> , 21-25 Feb 2016, UOS, UAE.
6. <b>Semerjian, L.</b> , Damaj, A., and Salam, D., “Comparative study of humic acid removal and floc characteristics by electrocoagulation and chemical coagulation”, <i>Environmental Monitoring and Assessment</i> , 187(11), pp. 670-685, 2015.
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11. Sayess R., Saikaly P., El-Fadel M. , Ayoub G. , and <b>Semerjian L.</b> “Integrating Microbial Fuel Cells into Rotating Biological Contactor Systems for Simultaneous Wastewater Treatment and Electricity Generation”, <i>Third International Microbial Fuel Cell Conference</i> , Netherlands, June 6-8, 2011.
12. <b>Semerjian, L.</b> , “Equilibrium and kinetics of cadmium adsorption from aqueous solutions using untreated <i>Pinus halepensis</i> sawdust”, <i>Journal of Hazardous Materials</i> , vol. 173, pp. 236-242, 2010.
13. <b>Semerjian, L.</b> , “Quality assessment of various bottled waters marketed in Lebanon”, <i>Environmental Monitoring and Assessment</i> , vol. 172, No. 1-4, pp. 275-285, 2010

14. <b>Ahmed HO</b> , Ali WJ. Noise Levels, Noise Annoyance and Hearing-Related Problems in a Dental College. <i>Arch Environ Occup Health</i> . 2017 ;72(3):159-165
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16. <b>Hafiz O Ahmed</b> and Abdelridha A Abdullah. Dust Exposure and Respiratory Symptoms among Cement Factory Workers in the United Arab Emirates. <i>Industrial Health Journal</i> . 2011; 50:214-222.
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