

Prof. Mona E. Ossman

Personal Information:	Name: Mona E. Ossman
	Position: ➤ Acting Dean of Environment and Natural Material Research Institute at City for Scientific Research and Technological Applications, SRTA City, Alexandria, Egypt. ➤ Head of Computer based Applications, Informatic Research Institute at City for Scientific Research and Technological Applications, SRTA City, Alexandria, Egypt. ➤ Chairman of the Training Committee at City for Scientific Research and Technological Applications, SRTA City, Alexandria, Egypt ➤ Chairman of the occupational safety and health Committee at City for Scientific Research and Technological Applications, SRTA City, Alexandria, Egypt. Date of Birth: 1/1/1969 e-mail: Mhr1410@hotmail.com Mobile No.: +201001392281
Education:	2000-2005: PhD in Chemical engineering, Faculty of engineering, Wayne State University, Detroit, Michigan, U.S.A. 1991-1997: M.Sc. in Chemical engineering, Faculty of engineering, Alexandria University, Alexandria, Egypt. 1986-1991: B.Sc. in Chemical engineering, Faculty of engineering, Alexandria University, Alexandria, Egypt.
Research projects	• PI of Construction of an eco-friendly prototype filtration cell using an innovative nanomagnetic bio-based MOFs polymeric hybrid membrane for wastewater remediation, STDF/EGYPT (2020-2022) • PI of Smart Gasification od municipal solid waste, ASRT/EGYPT (2021-2023)
Teaching Experience	• Assistant professor lecturer of Modelling and Simulation, Chemical Engineering reactions and Environmental Engineering at Chemical Engineering Department, Alexandria University – Alexandria, Egypt (2006- 2010). • Associate/ professor lecturer of Computer applications in Chemical Process, Industrial Corrosion, Chemical reactions and Industrial Catalysis, Thermodynamics and Optimization for Chemical Process at Petrochemical Engineering Department, Pharos University – Alexandria, Egypt (2011- 2018).

Professional Activities

- Consultant in Birla Carbon-PUA cooperation projects (production of biodegradable bags)
- Consultant for air dispersion Models
- Attending A workshop entitled "The Third Edition of Criteria for Accrediting Colleges of Higher Education Institutes"
- Executive director for quality assurance unit, Faculty of Engineering Pharos University
- Accredited reviewer for NAQAAE for Accrediting Colleges of Higher Education Institutes"

List of Selected Publications

1. Ghada E Hegazy, Nadia A Soliman, Mona E Ossman, Yasser R Abdel-Fattah, Madelyn N Moawad, Isotherm and kinetic studies of cadmium biosorption and its adsorption behaviour in multi-metals solution using dead and immobilized archaeal cells, Scientific Reports, 2023
2. Eslam Salama, Mona Ossman, Ali Hamdy, Hassan Shokry, Marwa F Elkady, Magnetic MOF composite material for decontamination of direct red 81 from polluted water, AIP Advances, 2023
3. Eslam Salama, Ali Hamdy, Hassan S Hassan, Wael A Amer, El-Zeiny M Ebeid, Mona Ossman, Marwa F Elkady, Evaluation of Zn Adenine-Based Bio-MOF for Efficient Remediation of Different Types of Dyes, Adsorption Science & Technology, 2022
4. Eslam Salama, Mohamed Ghanim, Hassan Shokry Hassan, Wael A Amer, El-Zeiny M Ebeid, Ahmed H El-Shazly, Mona Ossman, Marwa F Elkady, Novel aspartic-based bio-MOF adsorbent for effective anionic dye decontamination from polluted water, RSC advances, 2022
5. E Salama, H Shokry, ME Ossman, MF El Kady, Facile Synthesis of Robust Metal-Organic Framework (MOF-5) for Chromium (VI) Decontamination from Wastewater, Key Engineering Materials, 2022
6. KY Nabat, HA Farag, M Ossman, M Taha, N Taha , Effect of PEG on Structure and Physical Properties of PVA/CMC Nanofiber, Egyptian Journal of Chemistry, 2021
7. M.E. Ossman, W. Wagdy, K.Y. Nabat, A. Bramoo, Y. Mohamed, M. Gamal, Melamine-Ceramic Membrane for Oily Wastewater Treatment, Journal of Membrane and Separation Technology, vol. 8, 2019, pp. 12-23
8. R. Farouq, M. Abd-Elfatah, M.E. Ossman, Response surface methodology for optimization of photocatalytic degradation of aqueous ammonia, Journal of Water Supply: Research and Technology-Aqua 67 (2), 2018, 162-175
9. M.E. Ossman, Similarity Removal of Heavy Metals from Aqueous Solutions Using Advanced Materials, with Emphasis of Synthetic and Nanomaterials, Water and Desalination Research Journal 1 (No. 1), 2017.
10. M.E. Ossman, M. Abdelfatah, Y. Kiros, Preparation, Characterization and Adsorption Evaluation of old Newspaper Fibres using Basket Reactor (Nickel

Removal by Adsorption), International Journal of Environmental Research 10 (1), 2016, 119-130

11. I.A.S. Mansour, H.M. Sharawy, M.E. Ossman, M. Abdelfattah, Adsorption/Photo-catalytic removal of phenol using C₃N₄, CuO nanoparticle and CuO-C₃N₄ composite, International Journal of Chemical and Biochemical Sciences 1, 9, 2016.

12. M. E. Ossman, M. A. Fattah, CuO nanopowder for Removal of Pb(II) and Zn(II). Journal of Environmental Engineering and Science Volume 10 Issue JS1, 2015.

13. M. E. Ossman, M. A. Fattah, Response surface methodology for optimising the operating conditions of nickel(II) adsorption, Journal of Environmental Engineering and Science Volume 10 Issue JS2, 2015.

14. M. E. Ossman, M. S. Mansour, M. A. Fattah, N. Taha, Y. Kiros, Peanut shells and talc powder for removal of hexavalent chromium from aqueous solutions". Bulgarian Chemical Communications, Volume 46, Number 3 (pp. 629 – 639) 2014

15. Amer, R. A., Ossman, M. E., Hassan , H. S. , Ghozlan , H. and Sabry, S. A., Adsorption of Ni(II) by Exiguobacterium sp. 27 and Polyaniline Nanoparticles, Int. J. Environ. Res., 8(3):601-612, Summer 2014

16. Abd El fatah, M. and Ossman, M.E., Removal of Heavy Metal by Nickel Oxide Nano Powder, Int. J. Environ. Res., 8(3):741-750, Summer 2014

17. M.E. Ossman, M.Abdel fatah, Nahla A.Taha, Fe (III) removal by activated carbon produced from Egyptian rice straw by chemical activation, Desalination and Water Treatment, Volume 52, Issue 16-18, ,2014

18. Abu-Ella R., Ossman M.E., Abd-Elfatah M., Elgendi A., Kinetic modeling and isotherm study for naphthalene adsorption on boehemite nanopowder, accepted to be published at Desalination and Water Treatment, 2013

19. Khalil, M., Abdou, M.A., Mansour, M.S., Farag, H.A., Ossman, M.E., A cascaded fuzzy- LOPA risk assessment model applied in natural gas industry, Journal of Loss Prevention in the Process Industries (2012), doi: 10.1016/j.jlp.2012.04.010

20. M. S. Mansour, M. E. Ossman, H. A. Farag. "Removal of Cd(II) ion, from waste water, by Adsorption onto Polyaniline Coated on Sawdust, Desalination, volume 272, issue 1-3,3, 2011, pp 301-305

21. A.H., Konsowa, M.E., Ossman, Yongsheng, Chen, John C. Crittenden, Decolorization of industrial wastewater by ozonation followed by adsorption on activated carbon, Journal of Hazardous Materials, Volume 176, Issues 1-3, 2010, Pages 181-18