

Curriculum Vitae

Personal Information



Name Sherien Mohamed Ahmed

Profession Professor of Sanitary Engineering at HBRC

Education P.HD in sanitary engineering Cairo University
2009

M.sc in sanitary engineering Ain shams university 2004

B.SC in sanitary eng. Ain shams, 2000 , very good degree.

Nationality Egyptian

Marital Status married

Date of Birth 18/11/1978

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Address Hadak el ahram ., El giza, Cairo, Egypt

Email engsherien@yahoo.com

Computer Skills

- o Skilled in computers, including BASIC language, (GIS in infra structure), AutoCAD, and word processing software, Excel, Power point , sanitary programme (sewer cad& water cad , Lisp programme).

Education and Qualifications

P.hD.Sanitary Engineering, Cairo University, Cairo, Egypt 2009

The thesis topic "Tannery wastewater treatment"

M.Sc.Sanitary Engineering, Ain Shams University, Cairo, Egypt 2004

The thesis topic "effect of industrial wastewater on the activity of aerobic sludge"

B.Sc.Civil Engineering, Ain Shams University, Public Works

Department, Sanitary Engineering, Cairo, Egypt 2000.

Languages

Arabic: Mother Tongue

English: v.good (I have a Toefl certificate)

A. Academic Experience

Publications:

- M. Fergala, M. Negm, and Sherien. M, "effect of industrial wastewater

On the activity of aerobic biomass in the aeration basins", Azhar University, Journal September (2003).

-M. Fergala, M. Negm, and Sherien. M, "Toxic Effects of Metals on Microbial Activity in the Activated Sludge Process" Ain Shames University , Journal February (2004).

- Sherien. M, "Effect of temperature changes on the removal activity of industrial wastewater treatment" " Ain Shames University, Journal February (2005).

- study the analysis the reuse and management of industrial tannery sludge, journal of house and building research center 2010.

-sulfate removal from tannery wastewater in a two-stage chemical and anaerobic treatment, UTTI conference in Spain 2013

1- Sherien M. Ahmed "Treatment of Slaughterhouse Effluent Using Sequencing Batch REACTOR-1st International Conference: Towards A Better Quality of Life (QOL), 24-26 November 2017, Technische Universitat Berlin Campus ElGouna, Egypt.

2. Sherien Ahmed and Khaled Mohamed Naguib " Using Free Nitrous Acid for Biofouling Removal and Control of Reverse Osmosis Membranes ", 7 International Conference on Water Resources and th Arid Environments (ICWRAE 7): 481-491 4-6 December 2016, Riyadh, Saudi Arabia.

3. Sherien Mohamed and Khaled Mohamed mohamed "Nitrogen Removal From Landfill Leachates Using MBBR As Pilot Study ", 10th International Conference on Nano Technology In Construction (Green & Sustainable Construction) (NTC 2018) , 13-17 April 2018, Hurghada, Egypt.
4. Sherien Mohamed and Khaled Mohamed "treatment of leachate using sequencing batch reactor technology ", 10th International Conference on Nano Technology In Construction (Green & Sustainable Construction) (NTC 2018) , 13-17 April 2018, Hurghada, Egypt.
5. 4- Sherien Ahmed and Khaled Mohamed Naguib "Co-treatment of Municipal Wastewater and Landfill Leachate in an Activated Sludge Sequencing Batch Reactor " 11th International Conference on Nano Technology in Construction (Green & Sustainable Construction) (NTC 2019), 22-26 March 2019, Sharm Elshiekh, Egypt.
- 5- Sherien Ahmed** and Khaled Mohamed Naguib "Removal of Radionuclide Contaminated Ground Water By Microbial Reduction And Residual Electron Donor And Sediment Aging" 11th International Conference on Nano Technology in Construction (Green & Sustainable Construction) (NTC 2019), 22-26 March 2019, Sharm Elshiekh, Egypt.
- 6- Sherien Ahmed** and Khaled Mohamed Naguib " Treatment of Brine Using Nanofiber Materials and Ion Exchange Resin" 8th International Conference on Water Resources and the Arid Environments (ICWRAE 8): 633-642 22-24 January 2019, Riyadh, Saudi Arabia.
- 7- **Sherien Mohamed** , Khaled Mohamed and Safa Mohamed " case study on sludge processing and management from wastewater treatment plant" 12th International Conference on Nano Technology in Construction (Green & Sustainable Construction) (NTC 2020), 27-31 March 2020, Sharm Elshiekh, Egypt.
- 8- **Sherien Mohamed** , Khaled Mohamed and Safa Mohamed "phosphorus adsorption from aqueous solutions by zirconium loaded okara" 12th International Conference on Nano Technology in Construction (Green & Sustainable Construction) (NTC 2020), 27- 31 March 2020, Sharm Elshiekh, Egypt.
- 9 - **Sherien Mohamed** , Khaled Mohamed ,Safa Mohamed and Lames Mohamed "new model for preventing fouling on RO membranes" 12th International Conference on Nano Technology in Construction (Green & Sustainable Construction) (NTC 2020), 27-31 March 2020, Sharm Elshiekh, Egypt.

B. Practical Experience

Dec 2003 - present

Employer: Housing and Building Research Centre, Cairo, Egypt.

Position: lecture .

Responsibilities included:

- Complete design and construction supervision of two treatment plants using the oxidation ponds technology. The plants located in Bernesh and Masged Moussa villages in Giza Governorate, Egypt.
- Technical secretary and coordinator for the committee of preparing the Egyptian code of practice for Design and construction of water and wastewater networks.
- Complete design and construction supervision of El fayoum play ground .
- Complete design and construction supervision of El fayoum building.
- Preparing the strategic plane for many villages in Egypt.
- Preparing the city survey work plan.
- Complete design and Preparing of specifications and bill of quantities of water & wastewater and fire network for Housing and Building Research Centre.
- Complete design and Preparing of specifications and bill of quantities of wastewater networks for Bernesh and Masged Moussa villages in Giza Governorate, Egypt.
- . Complete design and Preparing of specifications and bill of quantities of sanitary works for Environmental building in EL Qusare.
- Preparing the EIA (environmental impact assessment) reports for projects.
- Preparing the work shop of different subject of water& wastewater projects in Egypt.

Oct 2000 – Dec 2003

Employer: The organization of Greater Cairo Wastewater Project (CWO).

Position: Design engineer.

Responsibilities included:

- Sharing as a coordinator in decision committee in Ministry of Housing, Utilities& Urban Communities to evaluate water & wastewater tender project in Egypt.
- Complete design and constriction supervision of wastewater networks for contract 15 Helwan.

- Complete design and construction supervision of wastewater tunnel for contract 13 & 13A EL maadi.
- Complete design and construction supervision of wastewater networks for EL east shoback Helwan.
- Complete design and construction supervision of rehabilitation of pump station 1&2&3&4 in Helwan.
- Complete design and construction supervision of extension of Helwan waste water treatment plant ($1 \times 10^6 \text{ m}^3/\text{day}$).
- Complete design and construction supervision of extension of stage 2 of EL gabal el asfar waste water treatment plant ($1 \times 10^6 \text{ m}^3/\text{day}$).
- Complete design and construction supervision of wastewater networks rehabilitation for contract 3 Helwan.
- Evaluate the different alternative of reuse of sulphuric water in Helwan .
- Study the reuse of wastewater in agriculture.

Education Courses

* Course in (E.I.A) from U.T.I (urban training & studies institute) &
From the American university

* Course in (using of complex material in civil eng.) from House and Building research centre.

* Course in (development of public zones) from U.T.I.

*Course in GIS (Geographical information system) from U.T.I.

*Course in Quality control & quality assurance from U.T.I.