

Holds B. Sc., M. Sc. and PhD degrees and has about 17 years experience working as Water and Wastewater Quality Expert.

PERSONAL DATA

Nationality : Egyptian
Birth Date : 29/11/1984
Gender : Male

EDUCATION

- : B. Sc. degree, Zagazig University, 2005
- : M. Sc. in Eco-Physiological study on Fungi Inhabiting Sewage effluents at Zeinein wastewater plant North of Cairo, Zagazig University, 2011
- : PhD: studying some factors affect the biofilm formation in the drinking water networks and improves the water quality by using an innovative technique, Zagazig University, 2017

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

- : Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : Workshop of Resilient cities, Metropolis international institute, Egypt (Oct. 2019).
- : 1st NRC-Grenoble INP international conference on science and sustainable development, Egypt (Sep. 2019).
- : 11th international conference on nanotechnology, Egypt (Mar. 2019).
- : 3rd international water desalination conference, Egypt (Feb. 2019).
- : Training course on: "ISO/IEC 17025 / 2017 Requirements and Internal Audit", Cairo, Egypt (Dec. 2018).
- : Contract administration and claims and disputes resolution management, HBRC, Egypt (2017).
- : EU- Egypt water talk's workshop, Egypt (2014 and 2016).
- : Training course in "water quality analysis: laboratory practices", National institute of technical teachers training and research, Chennai, India (2014).

- : Training course in "Nanoscience and Nanotechnology", Nanoscience and nanotechnology unit, Beni Suef University, Egypt (Apr. 2011).
- : Training course on: wastewater treatment, Holland at UNESCO IHE (Jun. 2010).
- : International training course on Environmental Friendly Infrastructure, Mertropolis, Cairo, Egypt (Oct. 2010).

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Dec. 2021 till Dec. 2022

Employer : Khatib and Alami & MEWA (Ministry of Environment, Water and Agriculture), KSA

Job title : Wastewater Treatment Quality Expert

Job Description :

- Monitoring Wastewater Treatment Plants.
- Quality evaluation of treated wastewater effluent according to environment regulations followed in the Kingdom of Saudi Arabia.
- Ensure efficient and effective departmental operations, including quality control and compliance adherence.
- Invoice planning and Time Schedule management.
- Monitoring Flow up project progress.
- Participated in preparation of preliminary and final reports.
- Monitor and analyze Projects performance.
- Prepare risk register of project.

Dates : From 2015 till 2021

Employer : DELSS, Egypt

Job title : Industrial W.W Process Division Head

Job Description :

- Provide a technical support to DELSS in industrial wastewater sector.
- Responsible for Evaluation and quality control of the performance of existing water and WWTPs; Water and wastewater laboratory analyses; Providing capacity Building for environmental engineers, technicians, and water industry specialists; Business development for the department covering official and private sectors.

Dates : From 2006 till Nov. 2021

Employer : Housing & Building National Research Center (HBRC)

Job title : Associated Professor

Job Description :

- Deputy director of Environmental Microbiology Department, Institute of Sanitary and Environmental Engineering (ISEE), Housing and Building National Research Centre (HBRC).
- Responsible for research plans.
- Member in several national research projects.
- Performing all analysis for different types of potable water and sewage water according to the Egyptian and international specifications.
- Member of ISO 17025 /2017 team.
- Responsible of test and calibration according to the international system for quality assurance and quality control in the laboratories, ISO/IEC 17025/2017.
- Collaborated with and supported a team of 7 other members to plan,

research and present a small business plan.

- Team member of scientific staff for development of new technologies for water and wastewater treatment; evaluation and quality control of the performance of existing water and WWTPs; Water and wastewater laboratory analyses; Providing Training courses for environmental engineers, technicians, and water industry specialists; Business development for the department covering official and private sectors.

Dates : From 2015 till 2021
Employer : Housing & Building National Research Center (HBRC)
Job title : Environmental Engineer / Supervision, QC & QA
Job Description :

- Expert of Environmental facility for industry pollution abatement plans and measures including Environmental Impact Assessment (EIA) and management (EIM) of different projects.
- Numerous experiences working with national and local organizations including the National Organization for Potable Water & Drainage (NOPWASD), the Egyptian Environmental Affairs Agency EEAA, the Ministry of Water Irrigation.
- Construction supervision for the infrastructure works at the New Administrative Capital.
- Quality assurance and interim audit for the Pipeline manufactures at many factories (e.g. Amiantit, Future Plast Co., OG factory).
- Regular follow up, monitoring and evaluation for pilot projects implemented at Beni Suf Governorate using new wastewater treatment technologies.
- Evaluation of Masjd mousa villages in Atfeh city in Giza (collectors-pumping stations – wastewater treatment) for rehabilitation.
- Assessment of RO desalination plant of Rase Seder, South Sanai.
- Participating in reports for several existing projects with problems to fix it and putting recommendations to cure it.
- Preparation of Environmental Studies for more than 5 WW projects.

Dates : From 2018 till 2021
Employer : Engineering Faculty – Cairo University
Job title : Lecturer
Job Description :

- Lecture of Environmental course for postgraduate's students.
- Support of Master Students in research especially Biological treatment and Microbiology points.
- Significantly enhancing the classroom learning environment and acting as a facilitator to promote student leadership in initiating and creating positive learning opportunities.
- Proactively exploring and implementing innovative teaching techniques to accelerate the learning process among students.

Dates : From Jan. 2020 till Mar. 2020
Employer : SALWACO, Sierra Leone and AMG, Egypt
Job title : Senior Water Treatment Specialist
Job Description :

- Undertake data collection for feasibility studies and design of the treatment plants.

- Participate in inception meetings, site visits and reconnaissance survey.
- Undertake visual assessment of existing water treatment facilities.
- Carry out the hydraulic assessment of existing facilities for rehabilitation, expansion and design.
- Carry out design of proposed treatment facilities.
- Ascertain field tests required and supervise their execution.
- Carry out all required engineering design of proposed facilities.
- Assist with preparation of feasibility and design reports and the tender documents.

Dates : From 2019 till 2021
Employer : Dakahlia Water Company, World Bank – International Development Authority
Job title : Capacity Building Specialist
Job Description :

- Institutional strengthening for Dakahlia W&WW Company during Sustainable Rural Sanitation Services Program for Results (SRSPR).
- Human capacity building and training support.

Dates : From Jan. 2014 till Apr. 2014
Employer : Sub-Urban Area of Chennai Metropolitan City – India
Job title : Environmental Engineer
Job Description :

- Determine the various water quality parameters such as physicochemical, major and trace metal constituents and to study their spatial and temporal variations.
- Identify the sources of heavy metals and quantify their contribution to the environment.
- Demarcate the areas, where the contaminants are present in higher concentration than the permissible limit.
- Establish the possibilities of further deterioration ground water quality due to industrial activities and urbanization.

Dates : From 2014 till 2015
Employer : HYDROPLAN GmbH in association with EnviroConsult (Project Management Consultant) & World Bank-International Development Authority
Job title : M&E Specialist for First Integrated Sanitation and Sewerage Infrastructure Project (ISSIP 1)
Job Description : Monitoring and Evaluation Specialist for Sanitation Projects in Gharbeya, Kafr El-Sheikh and Beheira Governorates, Tasks achieved:

- Coordinate and liaise with social consultant and prepare monitoring framework data.
- Collect and prepare data for wastewater treatment coverage.
- Collect data of environmental quality and health in particular water quality improvements in irrigation and drainage canals and other environmental improvements.
- Collect and prepare data concerning operations ratio of the WSCs, number of signed operation and maintenance contracts and performance indicators for O&M.
- Collect data on treated wastewater and sludge solid and percent of ISSIP bidding documents prepared and implemented by subsidiary

companies.

- Review and update project result framework
- Support project implantation with accurate, evidence-based reporting that informs management and decision making to guide and improve project performance.

Dates : From Jan. 2010 till Mar. 2010
Employer : Delft Environment Company, Cairo
Job title : Technical Editor
Job Description : Technical Editor of Arabic translation of the book of "Biological Wastewater Treatment: Principles, Design, and Modelling" "IWA.2010".

Dates : From 2008 till 2021
Employer : Egyptian Water Regulatory Agency (EWRA) – Ministry of Housing, Utilities and Urban Development (MHUUD)
Job title : Water Quality Expert at the Sanitary and Environmental Dept.
Job Description :

- As a Quality Expert participated in the project of "Monitoring Water quality & wastewater treatment plant performance in Egypt" in collaboration with MHUUD, EWRA and HBRC, Egypt.
- Supervise, review and monitor the water and wastewater sector. Also responsible for providing a yearly status report about the WSS sector in Egypt.
- Solve miscellaneous issues such as a code of conduct and other responsibilities of participant in the water sector.
- Assessment for several water and wastewater treatment plants.

Dates : From Dec. 2005 till Dec. 2006
Employer : Sharkia Water Company
Job title : Process Engineer
Job Description :

- Water analysis and maintain parameter as per stander.
- Plant daily and weekly monitoring as per check list.
- Check chemical dosing personally in water treatment.
- Maintain the water parameters strictly as system recommendation.

Field of experience :

- Summary:
 - Senior Wastewater Expert - Supply & Demand Planning Project for Treated Sewage Effluent Across the Kingdom of Saudi Arabia, KA - MEWA, KSA.
 - Associated Professor at Sanitary and Environmental engineering institute, Housing and Building national research center research, Egypt.
 - Lecturer of Environmental course for postgraduate student, master degree at civil engineering department - Faculty of engineering University of Cairo – Egypt
 - Senior Expert specialized in monitoring and evaluation with 17 years of extensive practical experience in the field of Water/ Wastewater Sector engineering.
 - Participation in a wide range of projects such as Water & Wastewater treatment plants, Mega Scale Integrated Sewage

- Projects and Desalination Plants in Egypt and Middle East.
- Responsible for Evaluation and quality control of the performance of existing water and WWTPs; Water and wastewater laboratory analyses; Providing capacity Building for environmental engineers, technicians, and water industry specialists; Business development for the department covering official and private sectors.
- Other Skills: Training and Capacity building skills, Environmental application of GIS for water and wastewater management concept, Microsoft Project for planning and time scheduling.
- Great Knowledge of safety and environment regulations and water/wastewater guidelines followed in the Kingdom of Saudi Arabia.
- Great Knowledge of ISO 17025.
- Key qualifications:
 - Certified Consultant Expert in the field of wastewater and drinking water treatment. Egyptian Syndicate of Scientific Professions. Syndicate No. 73243.
 - Senior Water and Wastewater Quality Expert.
 - Associated Professor at Egyptian Housing Building National Research Center (HBRC) - Egypt.
 - Guest lecturer in civil engineering department -Faculty of engineering University of Cairo – Egypt.
 - 10 years' experience in participation in preparation and production of water and wastewater codes and regulation for design and operation and maintenance processes.
 - Expert of Environmental facility for industry pollution abatement plans and measures including Environmental Impact Assessment (EIA) and management (EIM) of different projects.
 - Numerous experiences working with national and local organizations (Egypt) including the National Organization for Potable Water & Drainage (NOPWASD), the Egyptian Environmental Affairs Agency EEAA, the Ministry of Water Irrigation.
 - Experiences working with national and local organizations (Saudi Arabia) including Ministry of Environment, Water and Agriculture (MEWA), National Water Company (NWC) and Saudi Irrigation Organization (SIO).
 - More than 5 years' experience as trainer for training of trainers (TOT) and Capacity building of junior and professional Environmental Engineers and the local institutes' engineers of water and sanitation sector.
 - Preparation of Environmental Studies for more than 5 WW projects in Delat area - Egypt (Beheira, Gharbeya, and Kafr El Sheikh) in the First Integrated Sanitation and Sewerage Infrastructure Program (ISSIP1)/ Funded by the World Bank.