

Holds a B. Sc. in Chemistry-Geology and a Postgraduate Diploma in Petrochemicals Industries. Has about 14 years hands-on experience working as Operator Chemist at Damanhour Power Plant.

## **PERSONAL DATA**

Nationality : Egyptian  
Birth Date : 21/01/1985  
Gender : Male  
Marital Status : Married  
Residence : Damanhour

## **EDUCATION**

: B. Sc. in Chemistry-Geology, Alexandria University, 2007  
: Postgraduate Diploma in Petrochemicals Industries, Alexandria University

## **LANGUAGES**

Arabic : Native Language  
English : Very Good

## **COMPUTER SKILLS**

: Windows, MS Office, Internet

## **TRAINING COURSES AND CERTIFICATIONS**

: Trainings at:

- Abu Qir Power Station.
- Sidi Krir Power Station.

: Trainings during Petrochemical Diploma study:

- Alexandria Company for Mineral Oils (AMOC).
- Egyptian Petrochemicals Co.
- Sidi Krir Petrochemicals Co. (SIDPEC).

: Geology study:

- Petroleum Geology.
- Mining Geology.
- Structural Geology.
- Sedimentary Geology.
- Geophysics.
- Geochemistry.
- Hydrology.
- Economic Geology.

- Geology of Egypt.
- Engineering Geology.
- Stratums Geology.

## CHRONOLOGICAL EXPERIENCE RECORD

- Dates** : From 2007 till now
- Employer** : West Delta Electricity Production Co.
- Project** : Damanhour 325MW Power Plant & 3x65MW Power Station
- Job title** : Operator Chemist
- Job Description** :
- Water treatment:
    - Good experience in water treatment & preliminary treatment (clarification, purification, flocculation, filtration) & secondary water treatment, water hardness and softening, producing de-mineralized (deionized) water for boiler purposes (for steam).
    - Good experience in laboratory experiments.
    - Ion exchange resin (cation, anion and mixed bed exchangers).
    - RO production unit.
    - Sodium Hypochlorite production unit.
    - Feed / boiler water treatment.
    - Water and steam quality.
    - Steam contamination treatment.
    - Protection of boilers off load (from corrosion) & wet conservation & dry conservation.
    - Chemical cleaning procedure (boiler) & alkaline degreasing & acid cleaning.
    - Mechanical cleaning & ball cleaning.
    - Regeneration of ion exchanger.
    - Waste water treatment.
    - Condensate polishing.
    - Desalination of sea water.
    - Sea water disinfection or water disinfection.
    - Distillation of water MSF, ME, VC, RO, ED.
    - Hydrogen production unit.
    - Sewage treatment.
  - Field instruments:
    - Silica Analyzer, Sodium Analyzer, Conductivity, pH, pH/ORP, Dissolved Oxygen Analyzer, Oxygen Scavenger Analyzer, Turbidity, Cationic Conductivity Analyzer, Hardness Analyzer, Free/Total Chlorine Analyzer, Spectrophotometer.
    - Control system: DCS (Distributed control system) and motorized valves.