

Holds a B. Sc. in Chemical Engineering and has about 9 months experience working as EHS Advisor, Production Engineer and Environmental Auditor. Has wide breadth of knowledge in industrial chemical processes with emphasis on polymer properties and nano technology.

PERSONAL DATA

Nationality : Egyptian
Gender : Male
Residence : Shoubra

EDUCATION

: B. Sc. in Chemical Engineering, Cairo University, 2018

LANGUAGES

Arabic : Native Language
English : Fluent
German : Fair

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

- : ISO 14001, Egyptian Environmental Ministry (full course without certificate).
- : QHSE Management Systems Course, Coursera (full course without certificate).
- : First Aid Course, Coursera (full course without certificate).
- : Climate Change Mitigation in Developing Countries Course, Coursera (full course without certificate).
- : Pumps and Valves course, Cairo University.
- : Refining Diploma (Hydrotreating, Hydrocracking) (self learning).
- : Telesales course (worked as a Telesales Agent in a company that sells Google Adwords).
- : Training at Zeitco for petroleum refining (Aug. 2017): Trained as a Chemical Engineer for removing rust and that helps me to find a new technology to prevent rust at all.
- : Training at Borg El-Arab for petroleum, (Aug./Sep. 2016): Trained as a Petroleum Engineer in their site in Western Desert and also trained as a Chemical Engineer in a gas plant found in the site.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Mar. 2019 till now
Employer : Green Environmental Consultant
Job title : Advisor
Job Description :

- Work as a EHS Advisor for making environmental health and safety management systems for many factories and companies that work with our company.
- Also work as a R&D Specialist for some projects like Refining, Heat exchanger designer and other industries.

Dates : From Dec. 2018 till Mar. 2019
Employer : Al Safa Oil Extraction
Job title : Production Engineer
Job Description : Worked as a Production Engineer in Soyabean Oil Extraction Plant which contains extractor, desolventizer toaster, strippers, absorber, separation tanks and condensers.

Dates : From Aug. 2018 till Nov. 2018
Employer : Egyptian Environmental Ministry
Job title : Environmental Auditor
Job Description : Worked as Environmental Auditor to revise and remake environmental registers of factories located in Cairo, also make reports about amount of wastes found and classify them into solid or liquid or air wastes.

Projects:

- Desalination of sea water using micro algae which will decrease the TDS from 50000 ppm to 1000 ppm which is more economic comparing to using RO systems to reach the same percentage of recovery.
- Producing Syn-Gas by a new technology, using solar energy and waste water by using an electrolyzer to produce H₂ & O₂ gases then using a reactor which fed by hydrogen and oxygen produced from electrolyzer and carbon dioxide so we can use a reformer to get any petroleum product needed or using reverse reaction of water gas shift reaction to get methane gas. By this project we could produce all petroleum component with a very cheap working cost as solar energy will get us all electricity need for the electrolyzer.
- Making an enzymatic detergent that is a fourth generation detergent as it contains enzymes like alcaylase and lipases enzymes and it will help to remove all dirts and P&G are working with this same know-how to get their product.
- Manufacture of glue and silanes and epoxies with a personal know-how which is so cheap and effective, as they have good properties and being experimented.
- Making a cosmetic product for charcoal which used as a mask for removing all harmful bodies from face or body by an economic cost.

Achievements:

- Use the nano technology and chemistry to make a know-how of a product called HaYdron which is a nano liquid which make a superhydrophobic surface for clothes, cars, wood, metals, concrete, glass and plastics. These liquids can resist temperature till 350 degree celsius and pressures till 10000 psi and high voltage electricity. Also these liquids are used to prevent corrosion of pipes and equipments in factories and plants if coated with these liquids and this will reduce maintenance cost by 10% at least.
- Use EDTA for degumming of soyabean oil instead of using Citric acid as it is more effective and can remove all phispholipids (hydrate and unhydrous).
- Making a new product from soyabean hull only by using 2 small equipments to make fodder with high fats and protein content and very effective for chickens and cows by experimental.