

Holds a B. Sc. in Chemistry and is a qualified Chemist and Engineering Expert in Research, Operation, experimental analysis and lab testing work. Has strong background based on about 17 years of extensive research and practical work.

PERSONAL DATA

Nationality : Egyptian
Gender : Male
Residence : Giza, Cairo

EDUCATION

: B. Sc. in Chemistry, Al-Azhar University, 2003
: Studying Material Sciences and Nano Technology Diploma, 2019

LANGUAGES

Arabic : Native Language
English : Good

COMPUTER SKILLS

: Windows, MS Office, Internet

TRAINING COURSES AND CERTIFICATIONS

: General requirements for the competence of testing & calibration laboratories ISO 17025.
: Oil and graze analysis, Chemical Laboratory Centre, Egypt.

CHRONOLOGICAL EXPERIENCE RECORD

Dates : From Oct. 2016 till now
Employer : Upper Egypt Electricity Production Company
Job title : QA Senior Chemist
Job Description :

- Follow-up compliance of the chemical sector with ISO 9001 requirements.
- Follow-up Chemical Processes and Chemical Laboratory.
- Follow-up maintenance and Operation for processing units.
- Follow-up operation and performance of laboratory equipment and chemicals.
- Monitoring the results of fuel additives and the efficiency of adding systems.

- Monitoring the results of gas analysis of turbine oils and transformer oils.
- Follow-up rate of consumption chemicals.
- Monitoring site balances and their needs of chemicals, ion exchange materials and laboratory chemical needs.
- Compilation of daily, weekly and monthly reports of chemistry sections of sites, analysis of results and reporting to chemical sector Head.
- Conduct the necessary research to develop treatment systems and various chemical processes.
- Commitment to the application of environmental law and quality assurance.

Dates	:	From Oct. 2010 till Aug. 2016
Employer	:	King Fahd University for Petroleum and Minerals
Job title	:	Laboratory Instructor
Job Description	:	<ul style="list-style-type: none"> • Research tasks: <ul style="list-style-type: none"> - Performed IC analysis of Enhanced Oil Recovery (ROE) core flooding effluent for Aramco Company. - Synthesized Metal Organic frame work Material (MOF) for CO₂ capture application for Aramco and King Abdul-Aziz City for Science and Technology KACST. - Performed Treatment of water contaminated with MTBE by Photo TiO₂ System and Carbon Nanotubes (CNTs) using photo reactor system. - Performed Photo oxidation of MTBE & Benzene in the presence of hydrogen peroxide. - Studied the removal of MTBE and Benzene from contaminated groundwater by advanced oxidation for KACST using GC-MS system. - Studied the Removal of Poly Aromatic Hydrocarbons for research thesis using GC-MS system. - Studied the removal of Phenol from water by carbon Nano tubes material using spectrophotometer system and GC-FID system. - Studied the Remediation of MTBE through landfill wheels by advanced oxidation processes for KACST using GC-MS system. • Laboratory responsibilities: <ul style="list-style-type: none"> - Performed EPA and standard methods for All Analytical methods. - Operated and maintained analytical instruments such as GC-MS, GC-FID, ICP-MS, Hg Analyzer, IC, spectro photometer, and TOC. - Steered process development experiments in the lab and supported scale up processes. - Developed products and technologies that met product performance, quality and timing requirements. - Operated wet methods and instrumentation analysis. - Set up standards for sampling analysis and data interpretation using effluent analysis. - Calibrated and troubleshot laboratory instruments. - Interpreted test results and developed nonstandard tests. - Coordinate educational training programs. - Preparation of the technical reports. - Following the student projects and facilitates technical and logistical

support.

- Analyzing the different quotations and purchasing the laboratory requirements.
- Organized lab test solutions, compounds and reagents.

Dates	:	From Sep. 2006 till Oct. 2010
Employer	:	Upper Egypt Electricity Production Company
Project	:	Water Plant
Job title	:	Senior Chemist, Operator
Job Description	:	<ul style="list-style-type: none">• Skilled technical work in sample collection, analysis, and treatment of power plant water, steam and process water systems.• Skilled technical work in environmental sample collection, analysis and reporting.• Oversaw each treatment unit process in the plant.• Dealing with a variable water treatment system design; Clarification-Demineralization and UF-R.O System.• Measured and adjusted chemical feed rates.• Retained tank levels and flow rates to meet water.• Performed minor mechanical work and routine equipment maintenance.• Retrieved and performed required tests for quality and integrity on product samples.• Adjusted pumping systems, chemical feeders, auxiliary equipment, control systems storage tank levels and Pump stations indicators.• Monitored flows, pressures, chemical feeds levels and water quality indicators.• Conducted safety inspections and followed safety rules and procedures.• Handled preventive and corrective maintenance to maintain proper equipment safety and functionality.

Skills:

- Operation Skills:
 - Equipment Maintenance - Performing routine maintenance on equipment and determining when and what kind of maintenance is needed.
 - Critical Thinking - Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.
 - Mathematics - Using mathematics to solve problems.
- Laboratory Administrative Skills:
 - Manage all lab aspects including setting safety rules, storing and arranging lab equipment and chemicals, ordering (purchasing) lab supplies (chemicals, glassware, instruments, ...etc.) and systems maintenance.
 - Preparation of technical reports.
 - Develop and implement quality programs relating to calibration, laboratory safety and equipment maintenance.
 - Analyze the different quotations of tenders and purchasing requests.
- Laboratory Technical Skills:

- Analytical skills, Independence, Time management. Meticulous attention to detail.
- Research Skills:
 - Sample collections, Sample preparation, Statistical and Graphical Analysis of Data, Ability to maintain quality, safety and/or infection control standards, Attention to details, Data Collection and Data interpretation.

- Field of experience :**
- Worked with a group of scientists at King Fahd University of Petroleum and Minerals and contributed as a Technical Research Assistant in many of the results of chemical analysis of master and doctoral theses for university students.
 - Participated with various team work in collaborative research projects between KFUPM and major economic institutions such as Aramco and KACST King Abdul-Aziz City for Science and Technology.