

ESRAA AL AZAWI

MSc Chemistry | esraa.hamad@uosamarra.edu.iq |

PROFESSIONAL SUMMARY

Experienced chemistry professor and research professional, seeking a challenging environment to continue broadening knowledge and experience. Bi-lingual Arabic, published, with special focuses in nanotechnology, polymer chemistry, petroleum chemistry.

PROFESSIONAL EXPERIENCE

Samarra University - Samarra, Iraq

Professor of Chemistry - Department of Chemistry

Dec 2014 - Nov 2017

Creating and presenting lectures and lesson plans for chemistry classes.

Specializing in polymers chemistry and petroleum chemistry.

Preparing and implementing laboratory experiments.

Medical laboratory scientists

Al-Esraa university

Jun 2013 - Dec 2014

Lead Tech in general laboratory clinic.

Testing includes CBC, chemistry panels and all human tests.

OC Public Works – Orange, CA

Oct 2018

Laboratory Tech – Environmental Resources Section

Performed on-site chemical and physical analysis for the Orange County Dry Weather Monitoring Program in compliance with various EPA and EPA approved methods (EPA 425.1, 180.1, HACH 8213, 8167, 8023, and 8506).

Maintained glassware and other scientific supplies by cleaning, sterilizing, distributing, and reordering.

Calibrated, maintained, and troubleshoot equipment used for measurement and monitoring of environmental conditions.

Collected local water samples and data using various scientific methods and equipment.

EDUCATIONAL OVERVIEW

Sam Higginbottom Institute of Agriculture, Technology, Science

Apr 2013

MSc in Chemistry - Department of Chemistry

Extended research in Nanotechnology

Thesis: “*Development of Non-Equilibrium Atmospheric Pressure Argon Plasma Jet for Synthesis of Polyaniline Thin Film*”

Al-Mustansiriya University College of Science

Jul 2005

BSc in Chemistry - Department of Chemistry

Published papers

- Effect of Gamma Irradiation on Polyaniline Doped with Silver Nanoparticles
- Activity Concentration of Natural Radioactivity and Dose Assessment for Brands of Chemical Fertilizers used in Iraq

Certificates

- Child Care Certificate.
- Boy’s Town Common Parenting Certificate.
- American Heart Association (hearsaver® pediatric first aid CPR AED Course) Certificate.