

## KHALID MOHAMMED ALOTAIBI

**Nationality:** Saudi

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### **Interests:**

My interests are in synthesis and characterise nano-materials for use in environmental remediation.

### **EDUCATION AND QUALIFICATIONS:**

**2011-Present**                      **PHD student at University of Strathclyde**

**2009-2010**                      **Loughborough University**

#### **MSc Analytical Chemistry, modules being studied:**

Information and Communication Skills, Environmental Analysis, Materials Analysis, Introduction to Proteomics, Statistical Methods for Analytical Chemistry, Separation Techniques, Mass Spectrometry and Associated Techniques, Atomic and Molecular Spectroscopy, Innovations in Analytical Science and Professional Skills for Chemical Scientists.

#### **MSc.Project:**

Some 'as-disposed' organic compounds (i.e. those not formed from the degradation of other organic materials) are possible radionuclide complexants that may be present in radioactive wastes as a result of their use in the nuclear industry. Their presence may increase the solubilities of some radionuclides contained in the waste and therefore the effects of increasing concentrations of 'as-disposed' organic complexants on radionuclides has been investigated as well as the possibility of forming multi-metal ligand complexes ( e.g. Ca-M-Citrate ,DTPA and EDTA) at high pH .

**2003-2007**

**B.Sc. In chemistry Science,  
King Saud University. (RIYADH – SAUDI ARABIA)**

The project was about analyzing the dyes in two kinds of candies.  
Modules studied over 4 years include: General Chemistry ( Physical, Organic, inorganic and Analytical chemistry), Physics, Mathematics and Biochemistry.

**IT SKILLS**

Chem. Office<sup>®</sup> (chemistry programme designed for drawing chemical structures, naming, and predicting spectral data), and Microsoft Office (word-processing, excel spreadsheet,..., etc.) experience acquired from IT lectures attended during the research programme for practical work as well as results, tables and graph processing.

**WORK EXPERIENCE:**

**Academic:**

**2007 – 8/2008**

Position: Teaching assistant in the department of Chemistry, King Saud University, responsible for laboratories demonstration, construction of tutorials and assistant researcher.

**MEMBERSHIP:**

**Royal Society Of Chemistry**

**Saudi Chemical Society**

**Professional Training and other experience:**

- My experience in academic work started when I joined chemistry department (college of science) in King Saud University (KSU). Through more than two years, I gain experience in the following academic skills:
  - Teaching some modules in labs.

- Working as operator for many devices such as (ICP optical emission spectrometer).
  - I was a member in several projects in different fields of chemistry. One of the projects, which I participated in, is titled "increased Al, Cr, Ni and other elements content in food due to cookware in Saudi Arabia" supported by King Abdulaziz City For Science and Technology (KACST).
- Attended training course in **Applications Of Nano Technology** including workshop.
- Professional Developing Diploma in Project Management.

## **LANGUAGES:**

**Arabic: first language**

**English: Excellent**

## **HOBBIES AND INTERESTS:**

- **Hobbies:** Chess, Table tennis and Swimming.
- **Interests:** Electronics and general computer programmes learning.

## **REFERENCES:**

- **Dr. Lorraine Gibson** , Senior Lecturer in Analytical Chemistry, Tel: 0141 548 2224, E-mail: [lorraine.gibson@strath.ac.uk](mailto:lorraine.gibson@strath.ac.uk)
- **Prof .Barry L Sharp**. Professor of analytical chemistry. Loughborough University, Tel: +44(0) 1509222572. E-mail: [B.L.Sharp@lboro.ac.uk](mailto:B.L.Sharp@lboro.ac.uk) .
- **Prof. Colin S Creaser**. Professor of analytical chemistry and Head of the Centre for Analytical Science. Loughborough University, Tel: +44(0) 1509222552.E-mail: [C.S.Creaser@lboro.ac.uk](mailto:C.S.Creaser@lboro.ac.uk) .
- **Prof. Abdulaziz Al-Suhybani**, The department of Chemistry, King Saud University, Riyadh, KSA, E-mail: [suhaib@ksu.edu.sa](mailto:suhaib@ksu.edu.sa) .
- **Prof. Saad Al-Tamrah**. The department of Chemistry, King Saud University, Riyadh, KSA, E-mail: [SAltamrah@ksu.edu.sa](mailto:SAltamrah@ksu.edu.sa) .

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