

## Education:

### 2009-2013 The University of Manchester UK

Ph D degree in Chemistry

- My research is based on the environmental radiochemistry, especially in the field of sorption of radionuclides onto clay minerals such as montmorillonite, bentonite, kaolinite and the diatomite at different parameters: pH, ionic strength, metal ion concentration, sorbent amount and humic acid fraction concentration.
- My research includes also, uptake of some di- and tri-valent metal ions by such minerals.
- Many techniques were utilized to analyse the samples and characterise the minerals such as gamma ray spectrometry, UV/Visible spectroscopy, FTIR, XRD, XRF, TG/DTA and SEM.

### 1995-2001 The University of Tripoli Libya

M Sc Analytical Chemistry (very good)

- On the synthesis and characterisation of inorganic ion-exchangers and their application. I was able to prepare some of crystalline and pellicular products of:  $\gamma$ -hafnium phosphate,  $\gamma$ -hafnium phosphate phosphite,  $\gamma$ -titanium phosphate  $\gamma$ -titanium phosphate phosphite,  $\alpha$ -hafnium and zirconium phosphate phosphite etc.
- Registered a patent on the synthesis of pellicular (thin films) of  $\gamma$ -zirconium and hafnium phosphate phosphite membranes.

### 1979-1983 The University of Tripoli Libya

B Sc Chemistry (good)

## Work and Experience:

### December 2015 till now, University of Tripoli

- University staff member, professor assistant at the faculty of education. Teaching analytical chemistry and nuclear chemistry.

### 2013-2015 Zawia University

- University staff member, lecturer at the faculty of education. Teaching Analytical Chemistry and Nuclear Chemistry.

### 2013-2015 The University of Tripoli

- Part time lecturer at faculty of Education, Chemistry Department, I taught Analytical Chemistry (I) and (IV) in spring semester 2013/2014 and Analytical Chemistry (III) and (IV) in autumn semester 2014/2015. Analytical Chemistry (III), Analytical Chemistry (IV) and Nuclear Chemistry 2015/2016.

### 2008-2012 The Libyan School in Manchester

- Part time chemistry teacher in the Libyan high school in Manchester for the years 1-3.

- 2005–2008 Zawia University**
- University staff member, lecturer and head of chemistry department in the faculty of education (2006/08).
- 2006 – 2007 Industrial Research Centre**
- Member of the administration committee.
- 2004-2005 Al-Zaroug company**
- Private work in a chemical and laboratory appliances company, Tripoli Libya.
- 2002-2008 High institute of Comprehensive Occupations, Garabolli Libya**
- Part time lecturer in analytical chemistry.
- 2002-2008 University of Al-Mergeb, Msalata Libya**
- Part time lecturer in analytical and Industrial chemistry.
- 2002-2004 Industrial Research Centre**
- Laboratories Manager.
- 1988-2001 Industrial Research Centre**
- Head of Chemistry Department.
- 1984- 1988 Industrial Research Centre**
- Research worker and quality control chemist, at Industrial Research Centre, Tripoli Libya (first job).

**Courses I have been teaching:**

- General chemistry, 2001-2002.
- Analytical Chemistry-I, (Fundamentals, Volumetric & gravimetric analysis), 2002-2008.
- Analytical Chemistry-II, (Electrochemistry, Principles of spectroscopy, Separation & principles of chromatography, 2001-2006, 2013-2014.
- Industrial Chemistry, 2004-2005.
- Instrumental chemistry, 2005-2006 & 2007-2008, 2013-2016.
- All chemistry subjects in secondary school in Libyan high school in Manchester during the period 2008-2012.
- Nuclear chemistry 2013-2016.

**Training Courses:**

- Atomic Absorption Spectroscopy, one week at Bristol UK 1987.
- Atomic Absorption Spectroscopy, three months in Karachi Pakistan, 1990.
- Inductively Coupled Plasma, three weeks in Hungary 1998.
- Inductively Coupled Plasma, one week in Germany 1999.
- Inductively Coupled Plasma-Mass Spectrometry, 4 weeks in Hungary 2001.
- Inductively Coupled Plasma-Mass Spectrometry, 4 weeks in France 2001.

## Experiences:

- (a) Good operator of the following Instruments:
- Atomic Absorption Spectroscopy, PYE UNICAN & SHIMADZU.
  - Inductively Coupled Plasma, SPECTRO.
  - Inductively Coupled Plasma-Mass Spectrometry, VARIAN.
  - Thermal Analyzer, DU PONT & SEIKO.
  - Gas Liquid Chromatography, PYE UNICAM.
- (b) Have some experience regarding the following instruments:
- X-ray Diffraction.
  - X-ray fluorescence.

## Talks and Conferences presentations:

2013

**Egypt**

- A poster presentation at Isis Hotel, Luxor-Egypt, 16-19 February 2013.

2-7/09/2012 **ATALANTE 2012 France**

- Oral presentation at the ATALANTE 2012 conference, Le Corum, Montpellier France.

31/07/2012 **University of Newcastle**

- A poster presentation at the postgraduate Chemistry Committee Conference.

2009-2012 **University of Manchester**

- Three talks presenting my research work on the sorption of radionuclides and heavy metal onto clay minerals.

14-17/04/2003 **University of Mansoura Egypt**

- Poster presentation at 7<sup>th</sup> International Conference on Chemistry and its role in Development held in Sharm El-Sheikh.

14-16/10/2002 **Manama Bahrin**

- Two poster presentations at 5<sup>th</sup> International Conference & Exhibition on Chemistry in Industry.

## Publications:

- The Use of Fourier-Transform Infrared Spectroscopy to Assess Libyan Virgin Olive Oil Adulteration with Corn and Sun Flower Oils, Hana B. AlHanash\*, Rabea G. Elhabishi, Wael Elhrari and **Ragiab A. M. Issa**; Academic Journal of Chemistry; Vol. 3, Issue. 5, pp: 40-45, 2018
- Determination of lead in human blood and serum and the relationship among its exposures, Zawia. Libya, Mustfa A. Bin Aamer, Alia A. AlArabi, Farag A. Almudi, Mabrouka M. Hamza and Ragiab A. M. Issa, Journal of Facities of education, vol. 10, February (2018) 33-40.
- An investigation on Libyan olive oil in the western region, Ragiab A. M. Issa, Hana B. AlHanash, Thuraya E. Kaakul, Rowida Alkout and Hanadi Alkmishi, Mor. J. Chem. 5 N<sup>o</sup>4 (2017) 652-658.
- Reversibility in radionuclide/bentonite bulk and colloidal ternary systems, Nck Sherriff, Ragiab Issa, Katherine Morris, Francis Livens, Sarah Heath and

Nick Bryan, Mineralogical Magazine, November 2015, Vol. 79(6), pp. 1307–1315.

- Assessment of some heavy metals in roadside soil samples in Zawia city, Libya. Accepted for publication in Industrial research Journal, Libya.
- Competitive sorption of some di- and tri-valent metal ions by Libyan kaolinite and its modified, phases, Ragiab. A. M. ISSA, Nick D. BRYAN and Hana B. AlHanash, The Journal of Faculty of Education, Zawia University (2014).
- F.Z. Shtewi, R.A. Mokhtar, A. Al-Zawik, S. Karshman (2009) the use of kinetic methods for the determination of ultra-trace amount of iodide in water, Arabian Journal of Chemistry (2009) 2, 19–24.
- R. A. Mokhtar\*, F. Z. Shtewi, A. Al-Zawik, S. Karsheman, The Determination of Ultra-trace Amounts of N,N-Diethylhydroxylamine Residues in Water Used for High-Pressure, High-Temperature Steam Turbines, Jordan Journal of Chemistry Vol. 3 No.3, 2008, pp. 305-319.
- Sadek K. Shakshooki \*, Ramadan M. El-Mahdwi, Mohamed. T. Mehabis, Mahmoud A. Elrais, Salwa. O. Etter and Ragiab A. Mokhtar (2007) Uptake of Some Divalent Metal Ions Layered  $\alpha$ -VOP<sub>4</sub>.2.5H<sub>2</sub>O and its 1,10-Phenanthroline, 2,2'-Bipyridyl and 4,4'-Bipyridyl Intercalated Products, Jordan Journal of Chemistry Vol. 1, pp 45-52.
- S. K. SURI AND RAGIAB A. MOKHTAR (1991) Material Characterization by combined Thermovolatic Detection (TVD) and Thermal analysis (DTA) techniques, Thermochemica acta 176, 285-291.
- Registered a patent on the manufacture of soap from Libyan palm oil.
- Several papers from the thesis are now under writing.

#### Other skills:

##### IT

- PHREEQC speciation modelling, Excel mathematical sheet modelling and general computing (Microsoft word, excel and power point).

##### Languages

- Arabic (native) and English (fluent).

##### Interests

- Enjoy reading, writing poems, cycling, playing cards, camping, picnics and cooking. Good experience in farming, planting and irrigations. Also interesting to do my own house works such as electricity, plumbing and painting and repairing the small problems of my car.

منشورات بالعربية:

- عزالدين بشلوع و رجب عيسى و رحاب سعيد و مروة الساقزلي، تقدير تركيز فيتامين (ج) في عينات من الفواكه والخضروات بالطريقة الحجمية، مجلة جامعة سبها للعلوم البحتة والتطبيقية، SEBHA UNIVERSITY

.DOI: 10.51984/JOPAS.v21i1.1404 - JOURNAL OF PURE & APPLIED SCIENCES VOL.21 NO. 1 2022

- أهمية المختبر في تدريس الكيمياء وسبل السلامة، د. رجب علي المختار عيسى، قسم الكيمياء، كلية التربية بالزاوية – جامعة الزاوية، المؤتمر العلمي الأول لكلية التربية بالزاوية، جامعة الزاوية، 23-24 أبريل 2014م.
- أهمية المناولة (التعاقد) والشراكة الصناعية في تنمية الصناعات الصغيرة والمتوسطة ودور مراكز المناولة، البحوث الصناعية، العدد السادس عشر، الربيع – 3 – 1999 إفرنجي.
- أهمية المناولة والشراكة الصناعية في تطوير الصناعات الإقليمية ( وجهة نظر المعلوماتية)، ندوة دور المناولة الصناعية في تنمية صناعة المعدات الكهربائية، المنامة، البحرين، 22-24 مارس 1999.
- دور مؤسسات التمويل في رفع الكفاءة الإنتاجية للصناعات الصغيرة والمتوسطة، الملتقى العربي الثاني للصناعات الصغيرة والمتوسطة، الكويت 26-28 مايو 2001 إفرنجي.