

Curriculum Vitae

Personal Details:

Name: Adel I Alajtal

Nationality: Libyan **Sex:** Male

Home Address: Chemistry department, Faculty of Science, Misurata University, Misurata, Libya,

E-mail address: alajtal6@yahoo.co.uk

Facebook: <http://facebook.com/Adel Alajtal>

Tel: 00218 91 4567 348 **P. O. Box** 431

Education

- B.Sc. Chemistry, Faculty of science, Atthadi University, Misurata, Libya (1992).
- M.Sc. Chemistry, Misurata University, Libya (2001).
- Ph.D. Chemistry, University of Bradford, UK (2010).

Employment

- *1993-1997: Laboratory technician, Department of Chemistry, Atthadi University, Misurata, Libya.
- *1997-2001: Demonstrator and postgraduate student, Department of Chemistry, Atthadi University, Misurata, Libya.
- *2001-2005: Staff member (an assistant lecturer), Department of Chemistry, 7th October University, Misurata, Libya.
- *2005-2006: Staff member (a lecturer), Department of Chemistry, 7th October University, Misurata, Libya.
- * 2007-2010: Postgraduate student for Ph.D in University of Bradford, UK
- * 2011- 2012: Staff member (a lecturer in analytical chemistry), Chemistry Department, Misurata University, Misurata, Libya.
- *09/2012- 09/2016: Staff member (Assistant Professor in analytical chemistry) Chemistry Department, Misurata University, Misurata, Libya.
- *09/2016- 09/2020: Staff member (Associate Professor Chemistry Department) Chemistry Department, Misurata University Misurata, Libya
- *09/2020- Now: Staff member (Full Professor in analytical chemistry) Chemistry Department, Misurata University, Misurata, Libya.

Dr. Adel Imhemed Alajtal

Work Experience

*Head of Department of Chemistry, 7th October University, Misurata, Libya.[2001-2003]

* Director of Studies and Examinations Department, University of Misurata–Faculty of pharmacy [2013].

* Director of Quality Assurance and performance evaluation Office, Faculty of Science, University of Misurata [2012-2014]

* Director of general directorate of libraries, prints & publishing, University of Misurata [12/2015-19/10/2017]

* Head of Environmental Sciences and Engineering Department, Libyan Academy, Misurata [2012-2013]

* Head of Department of life sciences, Libyan Academy, Misurata, [2015-2018]

Teaching experience:

* General Chemistry

* Organic Chemistry (I&II)

* Instrumental Analysis

* Analytical Chemistry (I, II, III, IV &V)

* Advanced Analytical Chemistry (I, II)

* Advanced environmental analysis

* Advanced environmental pollution

* Advanced environmental chemistry

Research area

*Food Analysis

*Water pollution

* Molecular Spectroscopy.

*Soil Chemistry

* Analysis of organic compounds and minerals of astrobiological significance.

Publication & Presentation

A. Papers:

* **A.I. Alajtal**, H.G.M. Edwards, M.A. Elbagerma and I.J. Scowen, Spectrochimica Acta Part A, 2010, 76, 1–5

* **A. I. Alajtal**, H. G. M. Edwards and I. J. Scowen, Analytical and Bioanalytical Chemistry, 2010, 397, 215–221

Dr. Adel Imhemed Alajtal

* **A. I. Alajtal**, H. G. M. Edwards and I. J. Scowen, Journal of Raman Spectroscopy 2010, 42 (2) , 179-185

* M. A. Elbagerma, H. G. M. Edwards, G. H. Azimi, **A. I. Alajtal**, I. J. Scowen, Spectrochim. Acta A Mol. Biomol. Spectrosc. 2010, 75 (5), 1403-1410.

* **Adel Alajtal**, Mohamed Elbagermi, Howell Edwards

Estimation of the levels of some heavy metals in Libyan edible oils accepted as a full paper for the Proceedings of the Environmental Pollution and Public Health conference (EPPH 2012) in Shanghai, China from May 17th to 20th, 2012.

* **Adel Alajtal**, Mohamed Elbagermi

Determination of the heavy metal contamination of Libyan dairy products in Misurata city 2012, Elminia science Bulletin, Egypt, 23(1) p54.2012

* **Adel Alajtal**, Mohamed Elbagermi, Ibrahim Alassawey, Ahmed Hasan

Toxicity of Heavy Metals and Microbial Analysis of Soil Samples Collected from the

Area around Zliten Cement Factory, Open Journal of Air Pollution, 2013, 2, 25-28

* Abdulmajed Mlitan, **Adel Alajtal**, Abdullah Alsadwy

Determination of some inorganic metals in Tawargah Pond in Misurata-Libya, APCBEE Procedia 5 (2013) 11 – 15

* **Adel Alajtal**, H.G. Edwards and Mohamed Elbagermi

Vibrational Spectroscopic Identification of Beta-Carotene in Usnic Acid and PAHs as a Potential Martian Analogue, International Journal of Chemical, Materials Science and Engineering Vol:8 No:1, 2014

* **Adel Alajtal**, Mohamed Elbagermi, Howell Edwards

Identification of polyaromatic hydrocarbons and minerals of relevance of Mars, Journal of Applied Chemical Science International 2(2): 85-100, 2015

* **Adel Alajtal**, Howell Edwards, Mohamed Elbagermi, Hend Ismail

Raman spectroscopic and potentiometric studies of acidity level and dissociation of citric acid in aqueous solution, Journal of Applied Chemical Science International 2(1): 1-11, 2015

* M. A. Elbagermi, **A. I. Alajtal**, H. G. M. Edwards, G.H. Azimi, K. D. Verma and J. Scowen

Monitoring of Heavy Metals Content in Soil Collected from City Centre and Industrial Areas of Misurata, Libya, International Journal of Analytical Chemistry Volume 2013, Article ID 312581, 5 pages

* M. A. Elbagermi, H. G. M. Edwards, and **A. I. Alajtal**

Determination of Chromium (VI) after solid-liquid extraction with pyrrolidinedithiocarbamate, Al-satit applied sciences Journal vol 7 No 10, 2013

* M.A. Elbagermi and **A.I Alajtal**

Acid, Peroxide, Ester and Saponification Values for Some Vegetable Oils Before and After Frying, AASCIT Journal of Materials 2018; 4(2): 43-47

* **Adel Imhemed Alajtal*** , Fatima Emhemed Sherami and Mohamed Atiga Elbagermi

Dr. Adel Imhemed Alajtal

Effect of temperature on ascorbic acid (vitamin C) in fruit juice sold in local markets, Journal of Academic researches 12: 250-258, 2018

* Adel Alajtal, Fatima Saif al-Din, Mohamed Elbagermi

Raman Spectroscopic Studies of Nickel- Oxide Doped ZnO Nanoparticles, Journal of Materials Sciences and Applications

2017;3(2): 23-27

* Mohamed A. Elbagermi, **Adel I. Alajtal**, Hoell G. M. Edwards, Aditya Sharma, keshav ,deo Verma

Levels of Major and Minor Elements in Some Commercial Baby Foods Available in Libya, American Journal of Chemistry and Application 2017; 4(1): 1-10

* Mohamed Elbagermi , Adel Alajtal , Howell Edwards , Nadia Alsedawi

Synthesis, Raman Spectroscopy, X-Ray and DSC Studies of Salicylic Acid Cocrystals Prepared by Slow Evaporation , AASCIT Journal of Chemistry 2017; 3(6): 57-65

* Mohamed .A. Elbagerma, Howell .G.Edwards , **Adel .I. Alajta** , Ian J. Scowen

Phytochemical Screening Study and Anti-Candida Evaluation of Acacia raddiana Leaves, EC Nutrition 2019, 14.6:499-507

* Huda Elgubbi, **Adel Altajtal** and Ahmed Elbath

Quantitative Determination of Heavy Metal Concentrations in Herbal Teas Marketed in Various Countries Including Libya, Asian Journal of Research in Biochemistry 2017, 1(1): 1-10; Article no.AJRB.37996

* M. A. Elbagermi, **A. I. Alajtal** and H. G. M. Edwards

Determination of Polyphenols and Hydrogen Peroxide Radical Scavenging Organic extracts of Pomegranate and Orange Peels, Misurata University, Faculty of Science, The second annual conference on the theories and applications 2018

***Adel I. Alajtal** and Amna H. Bayio and Najala . M. Wreith

Isolation and diagnosis of eugenol compound from Cloves buds and evaluation of their biological efficacy, Misurata University, Faculty of Science, The second annual conference on the theories and applications 2018

* Mohamed A Elbagermi, **Adel I. Alajtal** and Khadija A. Jabah*

B. Abstracts in International Conferences:

1) Proceedings of the International Conference on Raman Spectroscopy (ICORS XXI) 17 – 22 August 2008, Uxbridge, West London.

* Evaluation of simulates for the Vibrational spectroscopic characterisation of biomolecular degradation products in geological matrices: Polyaromatic Hydrocarbons (PAHs) under calcite and gypsum

A.I.Alajtal, H.G.M.Edwards, M.D.Hargreaves and I.J.Scowen

Dr. Adel Imhemed Alajtal

2) Proceedings of the Euroanalysis XV, 6 – 10 September 2009, Innsbruck, Austria.

* Vibrational spectroscopic analysis of PAHs relevance to Astrobiology

A.I.Alajtal, H.G.M.Edwards, and I.J.Scowen

* The Effect of Spectral Resolution on the Raman Spectra of PAH and B-Carotene Mixtures. **A.I.Alajtal**, H.G.M.Edwards, and I.J.Scowen

3) Proceedings of the 11th Eurasia Conference on Chemical Sciences

6-10 October 2010, the Dead Sea – Jordan Analysis of minerals and PAHs mixtures
A.I.Alajtal, H.G.M.Edwards, and I.J.Scowen

Supervision

I have supervised 8 M.Sc. students at Misrata University, chemistry department, faculty of science and 7 M.Sc. students at The Libyan Academy of Graduate Studies