

Abdelsalam Ali Asweisi



Date of birth: 18.06.1969 Benghazi-Libya.

Citizenship: Libyan.

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PROFESSIONAL CREDENTIALS

April 2020	Professor of Analytical chemistry
July 2015	Associate professor of chemistry
March 2011	Assitant professor of chemistry

EDUCATION

Ph.D. Chemistry 2008	Duisburg-Essen University, Germany.
M.Sc. Chemistry 1998	Garyounis University, Benghazi, Libya.
B.Sc. Chemistry 1991	Garyounis University, Benghazi, Libya.

LANGUAGES

Arabic - English - German

BOOKS

1. A new T-shaped graphite furnace for atomic absorption spectrometry” a new concepts in electro-thermal analysis, Lab-lambert 2012 (Germany)

Awards:

Prize for the best student poster presentation in 18th Europium symposium of atomic spectroscopy conference October 2006 Slovakia.

Teaching experience and Employment

2022-2024 Head of Dep. Of Chemical Engineering University of Tripoli

May 2020 Dep. Of Chemical Engineering University of Tripoli (Tripoli- Libya)

2020 Researcher at Biotechnology research center (BRC in Tripoli)

2015 - 2020 Assistant lecturer at **University of Tripoli** (faculty of education and faculty of engineering)

2009 - 2010 Head of chemistry department Garyounis University (Alkofra branch)

2008-2014 Staff member at chemistry dept. Faculty of science, University of Benghazi .(General chemistry, Analytical chemistry I, II, III, IV for B.Sc students and Advanced Analytical Chemistry , Atomic spectroscopy for M. Sc Students.

2004–2006 Assistant lecturer at water chemistry laboratory in institute of instrumental analysis, Duisburg-Essen university Germany.

1999-2001 lecturer at chemistry department Garyounis University in general chemistry courses for first year.

1992-1998 Assistant lecturer at chemistry department Garyounis University in general, industrial (petrochemical and polymer lab.), analytical chemistry laboratories.

AREA OF INTEREST

development of atomic absorption spectrometers, creation of new graphite furnace designs for reducing matrix effects on absorption signals, determination of trace metals in presence of highly interfering matrices using atomic absorption spectrometry. Trace element separation and analysis and Water pollution. Cloud point extraction and solid phase extraction, Adsorption of organics dyes on different surfaces (Thermodynamics, kinetics and separation)

Memberships

1. Elsevier reviewer since 2010 (Arab chemistry journal).
2. A member of Arab chemical society.
3. Moroccan journal of chemistry reviewer.
4. SCIREA journals of chemistry, Editorial board.
5. Progress in Chemical and Biochemical Research reviewer.
6. Tallyfox network for water professionals.

Publications and conferences

1. A. Asweisi and K. Algheryani Cloud Point Extraction of Trivalent Chromium from Aqueous Solutions Using Different Nonionic Surfactants. J. Eng. Ind. Res. 2023, 4 (2):68-76.
2. Abdelsalam Asweisi and Khalifa Algheryani , Academy journal for Basic and Applied Sciences (AJBAS) special issue # 2 July 2023 (civ. Arch. Bio. Chm. E.mang Investigation of Using Polyethylene Glycol-400 (PEG-400) As a Surfactant for Separation of organic dyes and some heavy metals from Water Samples by Cloud Point Extraction
3. Abdelsalam Asweisi and Khalifa Algheryani, Separation of Cadmium from Aqueous Solutions by Cloud Point Extraction Using Different Surfactant Materials, Third pollution conference in misrata-Libya june 2022.
4. Ezuldeen Aboshaloo*, Abdelsalam Asweisi, Alla Almusrati, Mawada Almusrati, Haneen Aljhane Removal of methyl green dye from water by adsorption onto silicon powder, Asian Journal of Nanoscience and Materials 3 (2022) 234-242

5. Abdelsalam Asweisi and Khalifa Algheryani “Mechanism and Kinetic Studies of Methylene Blue Adsorption on Commercial Polyurethane Foam 4th Conference on Engineering Science and Technology-CEST-2021 *Zliten-Libya 14th – 16th Dec 2021*
6. Abdelsalam Asweisi, Mariam F. Ambarak, “Determination of Selenium in Biological Samples by Flame Atomic Absorption Spectrometry after Preconcentration on Polyurethane Foam, *Advanced Journal of Chemistry, Section B*;2(1):10–17, 2020
7. Abdelsalam Asweisi, Rihab Hussein, N. R. Bader and R. Elkailany, 'propylene oxide-Ethylene oxide Block polymer as a surfactant for cloud point extraction of some metal ions, *Advanced journal of chemistry-section A*, 2020, 3(3).
8. Fadwa El-sharief, Abdelsalam Asweisi, Nabil Bader,' Separation of some metal ions using β - Naphthol Modified polyurethane foam, *Asian Journal of Nanoscience and Materials*, 2019, 2(2),149
9. Abdelsalam Asweisi and Shaimaa. M. Fouad, Correlation of Electrical Conductivity and other Parameters for Evaluation of Water Quality of Benghazi City, The 2nd Libyan Conference on Chemistry and Its Applications, LCCA-2 9-11 May, 2017.
10. Abdelsalam Asweisi, A. S. A. Sammour , Optimum Conditions in Analysis of some Trace Elements in Urine Matrix by Flame Spectrometry. the 1st International Conference on Chemical, Petroleum, and Gas Engineering (ICCPGE 2016), 22-23, December, 2016 at Alkhoms, Libya.
11. Abdelsalam A. Asweisi , A. S. A. Sammour, Optimization of the Critical Instrumental parameters in Analysis of some Trace Elements in Sodium chloride Matrix by Flame Spectrometry, Marrocan. *Journal of chemistry*, 4N°4 (2016) 954-960.
12. Naser, M. Grima, Khairi M. Lamari, and Abdelsalam Asweisi, Quality of Water Produced from Seawater Desalination plants in Zuarah, Zawia, Zliten Regions. *Journal of Soil & Water Sciences*; Suez Canal University, 2015.

13. Abdelsalam A. Asweisi and A. Sammuor, Optimization of the Critical Instrumental parameters in Analysis of some Trace Elements in Different Matrices by Flame Spectrometry , first chemistry conference Albaida April 2014.
14. Abdelsalam. A. Asweisi, Rahab Hossein, Oxalkylated polyamine as a surfactant for separation of some metal ions from aqueous solutions by cloud point extraction, First chemistry conference Albaida April 2014.
15. Abdelsalam Asweisi and Mariam faraj, Determination of Selenium by flame atomic absorption spectrometry after preconcentration on polyurethane foam, European Symposium on Atomic Spectrometry **ESAS 2014**. &. 15th Czech - Slovak Spectroscopic Conference. March 16 - 21, 2014, **Prague**.
16. Abdelsalam Asweisi, Areej Shahren and M. Boajela “Cloud point extraction using some commercially available surfactants for separation of some metal ions from aqueous solution, Colloquium Analytische Atomspektroskopie **CANAS 2013 Germany**.
17. A. A. Asweisi, Rahab Housin, “Polyethylene Glycol as a Surfactant for Separation of Some Metal Ions from Aqueous Solutions by Cloud Point Extraction, 6th BLACK SEA Basin conference on Analytical chemistry (6BBCAC) **2013 Turkey**.
18. Nabil Bader, Abdelsalam Asweisi, Mariam Osman and Ahmad Maitig, Physico-chemical studies of the complexes of 2-carboxyphenylhydrazoacetoacetanilide (2-CPHAAA) with Cu(II), Ni(II), Mn(II), and Co(II) ions in ethanol-water mixed solvent system, **Der Chemica Sinica, 2013, 4(3):10-13**.
19. A. A. Asweisi and S haima Foud, “Determination of some trace elements in Benghazi city drinking water by flame atomic absorption spectrometry, **Der Chemica Sinica, 2013, 4(1):12-16**.

20. A. A. Asweisi, Shaima foud An assessment of the quality of drinking water in Benghazi City,Libya (Determination of physical parameters), **Der Chemica Sinica**, 2012, 3(4):1014-1019.

21. A. A. Asweisi, A. M. Hammad, H. M. Othman “Determination of Cadmium and Lead in Dust Samples Collected from Wheelwrights and wheel Sales by Flame Atomic Absorption Spectrometry, **11th Eurasia** conference of chemistry, October2010, Jordan.

22. A. A. Asweisi, H-M. Kuss, “A new Cross-shaped Graphite Furnace with Ballast Body for Reduction of Interferences in Atomic Absorption Spectrometry. **E-journal of chemistry**,7, S127 , 2010.

23. A. A. Asweisi, H-M. Kuss, “A new Continuous Flow Analysis in Atomic Absorption Spectrometry for Determination of Mercury in Biological Samples, XV-Arab chemistry conference, April 2010 **Syria**.

24. Asweisi A.A. and Kuss H.-M.A New T-Shaped Graphite Furnace for Reduction of Interferences in Analyses of Biological Samples by Atomic Absorption Spectrometry, **95th Canadian** Chemistry Conference and Exhibition June 2010

25. A. A. Asweisi, M. F. Eid Thermodynamic Parameters of Complexes of Trivalent Lanthanide Metal ions with 2-hydroxy phynel hydrazo dimedone in Mixed solvent system, First International Pharmaceutical Science Conference, December 2009 **Albeida, Libya**.

26. A. A. Asweisi, M. F. Eid, Thermodynamic Prameters of Complexes of Lanthanide Metal ions with 2-carboxy phynel hydrazo dimedone, The **3rd conference on Basic science** Gharian 2009.

27. A. A. Asweisi, H-M. Kuss, “A new cross-shaped graphite furnace for atomic absorption spectrometry **19th Slovak Czech spectroscopic** conference October 2008 **Slovakia**.

28. A. A. Asweisi, H-M. Kuss “Installation of new T-Shaped graphite furnace in horizontal and vertical positions for atomic absorption spectrometry “**19th Slovak Czech** spectroscopic conference October 2008 Slovakia.
29. A. A. Asweisi, H-M. Kuss, “T-shaped graphite furnace for Reduction of highly interfering matrices in AAS”, **Shimadzu news** 3/ 2007 (**United states**).
30. A. A. Asweisi, H-M. Kuss, “T-shaped graphite furnace for Reduction of highly interfering matrices in AAS”, **Shimadzu news** 3/ 2007 (**German**).
31. A. A. Asweisi, H-M. Kuss, “Performance of a new T-shaped graphite furnace for atomic absorption spectrometry”, **10th International chemistry** conference in Africa, November **2007 Libya**.
32. A. A. Asweisi, H-M. Kuss, “Applications of new T-shaped graphite furnace for atomic absorption spectrometry”, **13th spectroscopic** conference June 2007 **Czech Republic**.
33. A. A. Asweisi, H-M. Kuss, “A new T-shaped graphite furnace for atomic absorption specrometry“**18th Slovak spectroscopic** conference October **2006 Slovakia**.

Workshops:

1. Umweltanalytik, February 2008, Düsseldorf, Germany.
2. Pyrolysis workshop, April 2007, shimadzu company, Duisburg, Germany.
3. Mass spectrometry, Mai 2007, Varian Company, Bochum, Germany.
4. New possibilities in analytical chemistry, March 2006, Gladbeck, Germany.
5. “Analytic Jena...on Road” March 2005, Köln, Germany.
6. Elementanalytic with AAS, ICP-OES, ICP-MS, Thermo Company, March 2006, Düsseldorf, Germany.
7. Microwave systems, MLS Gmbh, June 2004, Germany.

Trainer for Training Courses

1. Flame Atomic absorption spectrometry, Ministry of Agriculture , Tripoli 2021
2. Flame Atomic absorption spectrometry, for BTCR in Tripoli 2021
3. Atomic Absorption Flame and Electrothermal" Biotechnology research center in Tripoli 2013
4. Safety in chemical laboratories, Arabian Gulf company Tobruk 2010.
5. Basics and Instrumental methods in Analytical Chemistry, forensic and criminal laboratories in Benghazi 2010.
6. Basics of Analytical chemistry, Man-made project 2009.

Volunteer Work

- Maintenance of some atomic absorption spectrometers (flame and electrothermal) at faculty of science and faculty of pharmacy at Tripoli University 2015.
- Atomic Absorption spectrometer in center of quality and controlling food in Tripoli 2016.
- Advising Atomic Absorption spectrometer operators at center of controlling food and medicines in Benghazi 2014.
- General and Analytical chemistry open page on Facebook.
- Instrumental Analysis special group on Facebook.