



## Curriculum vitae

Name: Mohamed Abdelrahman Ackacha

Scientific degree: Full Professor

Work Address: Chemistry Department, Faculty of science, Sebha University,  
Libya

Date of Birth: January 1 , 1957

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### **Education:**

2004 Ph.D in Analytical Chemistry from Analytical Chemistry Department,  
Faculty of Chemistry, Warsaw University of Technology, Warsaw,  
Poland.

1998 M.Sc from Faculty of Chemistry, Micaway Kopernik University,  
Torun, Poland.

1980 B.Sc from Chemistry Department, Faculty of science, Tripoli  
University, Libya.

### **Experience:**

2016 Till date Faculty of Science, Sebha University, Libya

2012-2016	Faculty of Education, Sebha University, Ndjamena, Chad
2004-2012	Faculty of Science, Sebha University, Libya
1998-2000	Faculty of Agriculture, Sebha University, Libya
1984-1995	Oxygen & acetylene manufacturing industry as a manager, Sebha, Libya
1980-1984	A teacher of Chemistry at secondary school, sebha, Libya

### Scientific activity:

#### Journals

1. Irmina Zadrozna, Kasia Polec-Pawlak, Iwona Gluch, **Mohamed A. Ackacha**, Mirosław Mojski, Janina Witowska-Jarosz, Maciej Jarosz, Old master paintings – A fruitful field of activity for analysts: Targets, methods, outlook; *Journal of separation science*, 26: 996-1004, 2003.
2. **Mohamed A. Ackacha**, Kasia Polec-Pawlak, Maciej Jarosz, "Identification of anthraquinone coloring matters in natural red dyestuffs by high performance liquid chromatography with ultraviolet and electrospray mass spectrometric detection", *Journal of separation science*, 26: 1028-1034, 2003.
3. Maria Puchalska, Magdalena Orlinska, **Mohamed A. Ackacha**, Kasia Polec-Pawlak, Maciej Jarosz, "Identification of anthraquinone coloring matters in natural red dyes by electrospray mass spectroscopy coupled to capillary electrophoresis", *Journal of mass spectrum*, 38: 1252-1258, 2003.
4. **Mohamed Abdelrahman Ackacha**, Polec-Pawlak, Maciej Jarosz, "Chromatographic determination of flavonoids in reseda luteola and old fustic by high performance liquid chromatography (HPLC) with diode array detection (DAD)", *Journal of Sebha University (pure and applied science)*, 5 (2): 5-17, 2006.

5. A. Hashem, **M. A. Ackacha**, E. E. Saad, R. A. Okasha, "Utilization of alhagi cellulose malate for removal of Pb(II) ions from aqueous solutions", *Energy education science and technology*, 20 (1): 31-43, 2007.
6. **Ackacha M**, Solyman M, Omar A, "Removal of Pb(II) from aqueous solution using a powder of olive tree leaves", *Journal of Sebha University, Pure and Applied science*, 8 (2):48-56, 2009.
7. **Mohamed A Ackacha**, Naje A Saeed, Assad Esheewe, "Utilization of consumed green tea leaves as low cost adsorbent for removal of lead ions from polluted water", *Journal of Sebha University, Pure and Applied science*, 9 (2): 16-23, 2010.
8. **M. A. Ackacha**, "Removal of Zn(II) ions from aqueous solution by new adsorbent: calligonum comosum, *International Journal of Chemical and Environmental Engineering*, 1(1): 18-22, 2010.
9. K.M. Khalifa, A. M. Hamil, A. Q. A. Al-Houni, **M. A. Ackacha**, "Determination of heavy metals in fish species of the mediterranean sea (Libyan coastline) using atomic absorption spectroscopy, *International Journal of Pharm. Teh. Research*, 2(2): 1350-1354, 2010.
10. **M. A. Ackacha** and L. A. Elsharif, "Adsorption removal of lead ions by Acacia tortilis leaves: Equilibrium, kinetics and thermodynamics", *International Journal of Environmental Science and Development*, 3(6): 584-589, 2012.
11. **Mohamed Ackacha**, Elhadi E. Saad, Hamed A. Maaouf, Shyma Reda "Adsorptive removal of Hg(II) cations from aqueous solution by Traganum nudatum roots", *International Journal of Engineering and Technology*, 5(1): 95-97, 2012.

12. **Ackacha M. A** and Meftah S. A., "Elimination of Cu (II) cations from water media using clean adsorbent as application of green chemistry: *Acacia tortilis* seeds", *Journal of Clean Energy Technologies*, 1(1): 57-61, 2013.
13. M. A. Ackacha, "Removal of Pb (II) from aqueous solution by *Portulaca oleracea* leaves: kinetic, equilibrium and thermodynamic studies", *American Journal of Analytical Chemistry*, 4: 27-32, 2013.
14. **M A Ackacha** and S A Meftah "Acacia tortilis as a green chemistry adsorbent to clean up the water media from cadmium cations" *International Journal of Environmental Science and Development*, 5(4): 375-379, 2014.

## Conferences

1. Substancje naturalne w warstwach malarskich i metody analityczne stosowane do ich identyfikacji; Jesienne Konwersatorium Komisji Odczynników i Reakcji Analitycznych Komitetu Chemii Analitycznej PAN, Poland, 2002.
2. CE-ES MS in analysis of historical paintings; 21<sup>st</sup> *Informal Meeting on Mass Spectrometry*, Baljam, 2003.
3. Identyfikacja związków barwiących w naturalnych żółtych barwnikach; XLVI Zjazd PTCh i SITPCh, Poland, 2003.
4. Rola wysokosprawnej chromatografii cieczowej w rekonstrukcji zabytkowych tkanin; Chemsession 2004, Poland.
5. Zastosowanie metod sprzężonych do identyfikacji naturalnych substancji barwiących; annual meeting of Comission for Chromatographic Analysis, *Committee on Analytical Chemistry, Polish Academy of Sciences*, Poland, 2004.

6. Identification of anthraquinone dyes in historical textiles by high performance liquid chromatography coupled to electrospray MS; International Symposium “*Analytical Forum 2004*”, Poland.
7. Natural dyestuffs analysis by mass spectrometry; Microsymposium on Mass Spectrometry, Austria 2004.
8. Chromatographic determination of emodin by HPLC-UV and HPLC-ES MS; VII Polska Konferencja Chemii Analitycznej, Torun, Poland , Poland, 2005.
9. First Franco – Libyan Conference , Libya, 2005.
10. Finding a needle in a haystack: MS/MS Why? And How? VARIAN CHROMPACK MIDDLE EAST, Libya, 2005.
11. Evolution of the concentration of some metals especially aluminum in tea components consumed in Libya; *International conference on recent developments in chemistry and their application*, Libya, 2006.
12. Iron removal by *Traganum Nudatum* Roots as a natural adsorbent Material from Aqueous Solutions; *Water Executive Forum*, Philadelphia, USA 2007.
13. **Ackacha M,** "Removal of lead ions from aqueous solutions by *MEDICAGO SATIVA* (alfalfa)", *PETRA International conference (PICC) and Transmediterranean colloquium on Heterocyclic chemistry (TRAMECH-5)* ,Tafila, Jordan, 25-28 Jun 2007.
14. **Ackacha M,** "Lead ions removal from aqueous solutions by using *Traganium nudatum* (damaran) plant as a low cost material" *The 10 th International Chemistry Conference and Exhibition in africa (10 ICCA)*, Benghazi, Libya, 18-21 November 2007.
15. **Ackacha M,** "Removal of lead from aqueous solutions using *Portulaca Oleracea* leaves as low cost agriculture material", *international*

- conference in water&wastewater (Asiawater2008)*, Kuala Lumpur, Malaysia, 1<sup>st</sup>-2<sup>nd</sup> April 2008.
16. **M. A. Ackacha**, M. S. Suliman, F. K. Awad, M. A. Mahmoud, "Removal of Fe (II) from aqueous solutions by *Traganum nudatum* (damran) plant using atomic absorption spectrometry technique", *1<sup>st</sup> International Petroleum Environmental Conference and Exhibition*, Tripoli, Libya, 12-14 May 2008.
  17. **M. A. Ackacha** and R. Azaka, "Utilization of *Calligonum comosum* as a new adsorbent material for lead removal from aqueous solution", *Proceeding of Water Environment Federation, Microconstituents and Industrial Water Quality 2009*, pp. 58-78, Baltimore, USA.
  18. **Mohamed Ackacha**, Rokaya Azaka, "The use of *Calligonium comosum* stems as a new adsorbent material for the removal of toxic Cr(VI) ions from aqueous media, *Water Quality 2010*, 23-24 June, Leeds, UK.
  19. **M. A. Ackacha**, A. M. Maree, A. E. Ahmad, " Adsorption study of Pb(II) ions by using untreated *Tamarix aphylla* leaves", Syria, 20-22 April 2010.
  20. **Mohamed Ackacha**, Rokaya Azaka, "The use of *calligonum comosum* as a new adsorbent for the removal of cadmium ions from aqueous solutions", *Proceeding of the International Conference on Chemical Engineering and Applications (CCEA 2010)*, 26-28 February, pp. 203-208, Singapore, 2010.
  21. **Mohamed Abdelrahman Ackacha**, Sara Abdullah elmahdy, "Utilization of new activated carbon derived from date stones to reduce lead and cadmium from aqueous solutions", *2<sup>nd</sup> International Conference on Environmental Science and Technology (ICEST 2011)*, Singapore, 26-28 February 2011. IPCBEE Vol. 6(1), pp. 40-44.

22. **Mohamed Ackacha** and Layla A. Elsharif, "The use of *Acacia tortilis* leaves as low cost adsorbent to reduce the lead cations from an aquatic environment", *International conference on geological and environmental sciences* (ICGES 2012), South Korea, 29-30, June 2012.
23. **M A Ackacha** and M drmoon, "Adsorption of malachite green dye onto novel adsorbent: *Tamarix aphylla* Leaves, *Proceeding of the International conference on Transport, environment and Civil Engineering* (ICTECE 2012), pp. 141-145, Malaysia, 2012.
24. **M A Ackacha** and M drmoon, "Effect of important selected parameters on adsorption capacity of brilliant cresyl blue Dye onto novel adsorbent: *Tamarix aphylla* Leaves", *2<sup>nd</sup> International Conference on Environment Science and Biotechnology* (ICESB 2012), IPCBEE, 48: 71-75, 2012.
25. **M A Ackacha** and M drmoon, "Adsorptive removal of brilliant cresyl blue by *Tamarix aphylla* Leaves: equilibrium, kinetics and thermodynamics, *Journal of Selcuk University Natural Applied Science, Turkey*, ICOEST Conf. 2013 (Special Issue -1), 96-106, 2013.
26. F F Al-Tohami, **M A Ackacha** , R A Belaid and M Hamaadi, "Adsorption of Zn (II) ions from aqueous solutions by novel adsorbent: *Ngella sativa* seeds", *Proceeding of 4<sup>th</sup> International Conference on Environment Science and Development* (ICESD 2013) APCBEE Procedia 5, 400-404, 2013.
27. **M A Ackacha** and M A Farjallah, "Reuse of Olive Cake as Low Cost Adsorbent to Eliminate Co (II) from Water Media", *Proceeding of International Conference on Natural Science and Environment* (ICNSE 2014) APCBEE Procedia, 120-126.
28. Somaya Meftah and **Mohamed Ackacha**, "Adsorption of Zn(II) on *Acacia Tortilis* Leaves Treated with sulfuric Acuia: Kinetic Studies",

Proceeding of 2<sup>nd</sup> International Conferences on Bio-Medical engineering and Environmental Technology (BMEET-16), January 2-3, 2016, Pattaya Thailand, pp. 107-112.

29. Mariam Bakkory, Hamdy Esmael and **Mohamed Ackacha**, “Adsorption Study of Pb(II) Ions from Aqueous Solution using *Medicago sativa* Roots: Equilibrium Studies” Proceeding of The International Conference on Environment, Agriculture and Civil Engineering (ICEACE), March 24-24, 2016 London (UK), pp. 83-87.

### MS. C supervision

Year	Address	Title of thesis
2009	Chemistry Department, Faculty of Science, Sebha University, Sebha, Libya	Adsorption of Some Heavy Metal Ions from Aqueous Solutions Using <i>Calligonum Comosum</i> Stems
2009	Chemistry Department, Faculty of Science, Sebha University, Sebha, Libya	Determination of Tryptophan and Some cephalosporin Drugs in Dosage Forms and Biological Fluids
2009	Chemistry Department, Faculty of Science, Sebha University, Sebha, Libya	Biosorption of some selected cationic dyes from aqueous solutions by <i>Tamarix aphylla</i> leaves
2010	Chemistry Department, Faculty of Science, Sebha University, Sebha, Libya	Elimination of hazard cationic species from wastewater using untreated and treated <i>Eucalyptus</i>



		<i>rudis leaves</i>
2011	Chemistry Department, Faculty of Science, Sebha University, Sebha, Libya	The use of activated carbon derived from date stones for reducing lead and cadmium ions from polluted water
2011	Chemistry Department, Faculty of Science, Sebha University, Sebha, Libya	Removal of some cationic materials from aqueous solutions using natural treatment of <i>Acacia tortilis</i> as an application of green chemistry
2012	Chemistry Department, Faculty of Science, Sebha University, Sebha, Libya	Reuse of olive cake to reduce mercury and cobalt cations from aqueous solutions
2012	Chemistry Department, Faculty of Science, Sebha University, Sebha, Libya	Determination of the level of lead and cadmium in the children games
2014	Chemistry Department, Faculty of Science, Sebha University, Sebha, Libya	Study of some interferences on elimination of lead cations from water media using <i>Medicago sativa</i> roots

### Other activities

1. A member of the scientific committee in the International conference on recent developments in chemistry and their application, Sebha, Libya, 2006.
2. A head of chemistry department, faculty of science, sebha university, sebha, libya, from Desember 2007 till Desember 2008.

3. Organizer of post-graduate studies of the chemistry department, faculty of science, sebha university, sebha, libya, from June 2009 till December 2011.
4. Editorial board of the International Journal of Bioscience, Biochemistry and Bioinformatics, ISSN 2010-3638.
5. A member of the technical committee in the *International Conference on Chemistry and Chemical engineering (ICCE 2010)*, Kyoto, Japan. August 1-3, 2010.
6. A member of the technical committee in the *International Conference on Bioscience, Biochemistry and Bioinformatics*, March 2012, Chennai, India.
7. A member of the technical committee in the *International Conference on Chemistry and Chemical Engineering*, Jeju Island, South Korea, June 29-30, 2012.
8. Invited presenter in the high level of *International Workshops and Economic, Technological and Academic Exchanges*, September 24-26, 2012, Taiyuan, China.
9. A member of the technical committee in the *4<sup>th</sup> Journal Conference on Bioscience, Biochemistry and Bioinformatics*, Kuala Lumpur, Malaysia, December 22-23, 2012.
10. A member of the technical committee in the *3<sup>rd</sup> Journal Conference on Bioscience, Biochemistry and Bioinformatics*, Paris, France, October 12-13, 2013.
11. A member of the technical committee in the *4<sup>th</sup> Journal Conference on Bioscience, Biochemistry and Bioinformatics*, Stockholm, Swedan, December 13-14, 2013.
12. A member of Scientific Program Committee in *The Universal Researchers in Environmental & Biological Engineering (UREBE)*, 2016-2017.

13. A member of Conference Technical Committee in *The International Research Conference on Chemical, Biological and Medical sciences (RCCMMS- 2016)*, June 2-3, 2016, Antalya, Turkey.