

## السيرة الذاتية

### معلومات شخصية

### صورة

الإسم : محمد ارحيم عمر  
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### المؤهلات العلمية

- **Ph.D.** in Chemistry at Chemistry Department, Florida Institute of Technology, FL, USA 2013
- **M.Sc.** in Chemistry at Chemistry Department, Sire University, Sirte City, Libya 2007
- **B.Sc.** in Chemistry at Chemistry Department, University of Sebha, Sebha City, Libya; 1996

### الوظائف

- **1999-2000:** Ras Lanuf Oil and Gas Processing Co. Laboratory Center, Water Analysis Chemist.
- **2000-2001:** Ras Lanuf Oil and Gas Processing Co. Laboratory Polyethylene Chemist.
- **2002 -2003:** Misurata Secondary School, Misurata City, Teacher.
- **2004- 2007:** Chemistry Department, Faculty of Science at Sirte University, Teaching Assistant.
- **2007-2008:** Chemistry Department, Faculty of Science at Sirte University, Assistant Lecturer.
- **2008-2013:** PhD Chemistry Department at Florida Institute of Technology, FL, USA.
- **2013-2014:** Working at Chemistry Department, Sirte University, Libya.
- **2014-until now:** Working at Chemistry Department, Sebha University, Libya.
- **2014-until now:** Scientific Affairs at the Faculty of Science, Sebha University, Libya.
- **2016-until now:** Dean of the Faculty of Science-Designate, Sebha University, Libya.

### الدورات التدريبية المتحصل عليه

- دورة اعداد المتدربين TOT (معتمدة من البورد الأمريكي الكندي) 2016

### برامج قمت بتدريسها

- |            |      |                           |
|------------|------|---------------------------|
| جامعة سبها | 2014 | • جهاز الامتصاص الذري     |
| جامعة سبها | 2013 | • جهاز تحليل العناصر      |
| جامعة سبها | 2015 | • استخدام برنامج Mathtype |
| جامعة سبها | 2017 | • استخدام برنامج EndNote  |
| جامعة سبها | 2016 | • استخدام template BSc    |

**Membership at:**

1. American Chemical Society, **ACS Member number: 30154329**
2. Asia-Pacific Chemical, Biological & Environmental Engineering Society, **APCBEE Member Number:100996**

**Publications:**

1. **Erhayem M.**, and Sohn. M. (2014). [Effect of humic acid source on humic acid adsorption onto titanium dioxide nanoparticles](http://dx.doi.org/10.1016/j.scitotenv.2013.09.063), *Science of the Total Environment*, 470 (471), 92–98.  
<http://dx.doi.org/10.1016/j.scitotenv.2013.09.063>
2. **Erhayem M.**, and Sohn. M. (2014). [Stability studies for titanium dioxide nanoparticles upon adsorption of Suwannee River humic and fulvic acids and natural organic matter](http://dx.doi.org/10.1016/j.scitotenv.2013.08.038). *Science of the Total Environment*, 468 (469), 249–257. Available at ScienceDirect, <http://dx.doi.org/10.1016/j.scitotenv.2013.08.038>
3. **Erhayem M.** Adsorption constants of soil and sedimentary humic acids on titanium dioxide nanoparticles. A study by UV–vis, synchronous scan fluorescence and transmission electron, microscopy; *American Chemical Society (ACS)*; 241<sup>st</sup> ACS National Meeting and Exposition, March 27-31, 2011 [p ENVR-180].
4. **Erhayem M.** [Effect of Naturally Occurring Organic Matter \(NOOM\) Type and Source on NOOM Adsorption onto Titanium Dioxide Nanoparticles under Varying Environmental Conditions](#)
5. **Erhayem M.**, SHARMA V.K. and M. SOHN. [Characterization of humic acids by fluorescence spectroscopy](#). 2011, *75th Anniversary Meeting of the Florida Academy of Sciences, USA, ENV-18*.
6. **Erhayem M.**, Sharma V.K., M.L. Sohn, and R-A. Doong, Adsorption of Soil and Riverine Humic Acids on Titanium Dioxide nanoparticles, 2010, *Florida Annual Meeting and Exposition (FAME) 2010, American Chemical Society (ACS), Tampa, Florida, USA*
7. Al-Tohami F, **Erhayem M.**, Ali R and Mohamed M. Optimization Parameters for Adsorption of Hg (II) ions onto Carbonized Rosmarinus Officinalis Leaves (ACROL) from Aqueous Solutions. **TCSSE International Conference of Science and Technology**, Dubai 2014.
8. **Erhayem M.**, Mohamed R, Ghmeid O and Elhmmali M. [Effect of Activated Carbon Source from Date Stone on Its Physico-Chemical Properties](#). *International Journal of Chemical Engineering and Applications* 7 (3), 178. *2014 6th International Conference on Chemical, Biological and Environmental Engineering (ICBEE 2014) Paris, France* and published at SciVerse ScienceDirect. Available at [http://www.icbem.org/ICBEM2014\\_Program.pdf](http://www.icbem.org/ICBEM2014_Program.pdf)
9. Mohamed R, Mustafa A and **Erhayem M.** [Biosorption of Cr\(VI\) and Cu\(II\) by Palm Kernel Powder and Its Potential Application](#). *International Journal of*

Environmental Science and Development 7 (11), 788-792. **2014 6th International Conference on Chemical, Biological and Environmental Engineering (ICBEE 2014) Paris, France** and published at SciVerse ScienceDirect. Available at [http://www.icbem.org/ICBEM2014\\_Program.pdf](http://www.icbem.org/ICBEM2014_Program.pdf)

10. **Erhayem M**, Fatma Al-Tohami and Ragwan Mohamed. [Isotherm, kinetic and thermodynamic studies for the sorption of mercury \(II\) onto activated carbon from Rosmarinus officinalis leaves](#). **American Journal of Analytical Chemistry**, 2014, 6 (01), 1.
11. Ragwan Mohamed, **Mohamed Erhayem**, Khadija Ahmida, Fatma Al-Tohami and Zarouk Abdusallam, [Assessment of Heavy Metal Contamination in Soils of Sirte City, Libya](#) 2nd Int'l Conference on Advances in Environment, Agriculture & Medical Sciences (ICAEAM'15), June 11-12, 2015, Antalya (Turkey). <http://dx.doi.org/10.17758/IAAST.A0615017>
12. M Zidan, RM Zawawi, **M. Erhayem**, A Salhin. [Electrochemical Detection of Paracetamol Using Graphene Oxide-Modified Glassy Carbon Electrode](#). Int. J. Electrochem. Sci 9, 7605-7613
13. A Khadija, D Mabroka, AT Fatma, **M Erhayem**, Z Mohamed. [Effect of Physical and Chemical Preparation on Characteristics of Activated Carbon from Agriculture Solid Waste and their Potential Application](#). International Conference on Chemical, Civil and Environmental Engineering ..
14. M Al-Darmoon, **M Erhayem**, M Ragwan. [Analytical Determination of Nicotine Content in Tobacco Brands in Libyan Markets](#). International Conference on Chemical, Civil and Environmental Engineering