



# ASST. Dr Mohamed Erhayem

Faculty of Science at Sebha University  
[adsorption](#), [heavy metal](#), [nanotechnology](#),  
[environment](#)

**Google Scholar**

Citation indices	All	Since 2012
Citations	126	126
h-index	4	4
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Title 1–12

Cited by Year

<p><a href="#">Stability studies for titanium dioxide nanoparticles upon adsorption of Suwannee River humic and fulvic acids and natural organic matter</a>  M Erhayem, M Sohn, <i>Science of the Total Environment</i> 468, 249-257</p>	66	2014
<p><a href="#">Effect of humic acid source on humic acid adsorption onto titanium dioxide nanoparticles</a> M Erhayem, M Sohn, <i>Science of the Total Environment</i> 470, 92-98</p>	32	2014
<p><a href="#">Electrochemical detection of paracetamol using graphene oxide-modified glassy carbon electrode.</a> M Zidan, RM Zawawi, M Erhayem, A Salhin, <i>Int. J. Electrochem. Sci</i> 9, 7605-7613</p>	14	2014
<p><a href="#">Isotherm, kinetic and thermodynamic studies for the sorption of mercury (II) onto activated carbon from Rosmarinus officinalis leaves.</a> M Erhayem, F Al-Tohami, R Mohamed, K Ahmida <i>American Journal of Analytical Chemistry</i> 6 (01), 1</p>	13	2015
<p><a href="#">Effect of Naturally Occurring Organic Matter (NOOM) Type and Source on NOOM Adsorption onto Titanium Dioxide Nanoparticles under Varying Environmental Conditions</a> MEO Erhayem</p>	1	2013
<p><a href="#">Effect of Activated Carbon Source from Date Stone on Its Physico-Chemical Properties.</a> M Erhayem, R Mohamed, O Ghmeid, A Eljelane, M Elhmmali, <i>International Journal of Chemical Engineering and Applications</i> 7 (3), 178</p>		2016
<p><a href="#">Biosorption of Cr(VI) and Cu(II) by Palm Kernel Powder and Its Potential Application</a>  ME Ragwan Mohamed, Alaa Mustafa, <i>International Journal of Environmental Science and Development</i> 7 (11), 788-792</p>		2016
<p><a href="#">Assessment of Heavy Metal Contamination in Soils of Sirte City, Libya</a>  R Mohamed, E Mohamed, A Khadija, AT Fatma, A Zarouk, <i>2nd Int'l Conference on Advances in Environment, Agriculture &amp; Medical ...</i></p>		2015
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<p><a href="#">Analytical Determination of Nicotine Content in Tobacco Brands in Libyan Markets</a>  M Al-Darmoon, M Erhayem, M Ragwan. <i>International Conference on Chemical, Civil and Environmental Engineering ...</i></p>		2015

Title	1–12	Cited by	Year
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M Erhayem, VK SHARMA, S and M 75th Anniversary Meeting of the Irida Academy of Sciences, USA,			
<a href="#">A study by UV–vis, synchronous scan fluorescence and transmission electron, microscopy</a>			2011
M Erhayem American Chemical Society (ACS); 241st ACS National Meeting and Exposition ...			

*Dates and citation counts are estimated and are determined automatically by a computer program.*

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<https://scholar.google.com/citations?user=iQcyYu8AAAAJ&hl=en>

#### **Employment and Work Experience:**

**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-unitl now:** Working at Chemistry Department, Sebha University, Libya.

**2014-unitl now:** Scientific Affairs at the Faculty of Science, Sebha University, Libya.

**2016-unitl now:** Dean of the Faculty of Science-Designate, Sebha University, Libya.

#### **Academic Qualifications:**

- **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

#### **Interests and Experience:**

- General Chemistry
- Organic Chemistry
- Analytical Chemistry
- Nanoparticles
- Heavy metals

- Activated carbon
- Thermodynamic, kinetic and isotherm process

**Membership at:**

1. American Chemical Society, **ACS Member number: 30154329**
2. Asia-Pacific Chemical, Biological & Environmental Engineering Society, **APCBEES Member Number:100996**
3. Membership at Post-graduate Scientific Committee, Sebha University in 14/4/2017
4. Head of first international conference on science and technology (ICST2017) property Committee, Sebha University in 12/2/2018
5. Head of Ceremony at Sebha University on 14/10/2016
6. Head of Ceremony at Sebha University on 14/10/2017
7. Member at Tender Committee since 2016