


## Curriculum Vitae (CV)

الاسم رباعي: محمد مسعود عمر هويدي

المؤهل العلمي : ماجستير

التخصص :كيمياء فيزيائية

الدرجة العلمية الحالية :أستاذ مساعد

<b>Full Name</b>	<b>Mohammed Masaoud Omar Ahwidi</b>	
<b>Phone number</b>	<b>00218925148448</b>	
<b>E-mail (university Email)</b>	<a href="mailto:moh.masaoud@sebhau.edu.ly">moh.masaoud@sebhau.edu.ly</a>	
<b>Department</b>	<b>Chemistry</b>	
<b>Position</b>	<b>Assistant Professor</b>	
<b>Research Area</b>	<b>Liquid Crystal, Surface Chemistry, Organic Synthesis.</b>	
<b>Key words (5 at least)</b>		
<b>Award &amp; Fellowships</b>	<b>Full Scholarship for PhD Program</b>	
<b>Education</b>	<b>BSc:</b> Faculty of Science, Sebha University, Sebha, Libya 2001 <b>MSc:</b> Faculty of Science, Sebha University, Sebha, Libya 2010 <b>PhD</b>	
<b>Publications (journals)</b>		
1. Bashis M. Eshtewi, Mohamed M. Omar: Characterization Of Novel Mesogenic Alkyloxy Benzoic Acid Derivatives. Fourth Saudi Science Conference, March 21-24 <sup>th</sup> , 2010.		
2. Ibrahim A. Amar, Abubaker Sharif, Mohammed M. Ahwidi: <i>The ionic conductivity of a nanocomposite electrolyte based on calcium-doped ceria/ternary carbonate</i> . Journal of Sebha University (Pure and Applied Sciences) 16/2017.		
3. Ibrahim A. Amara, Abubaker Sharif, Mohammed M. Ahwidi and Fatema A. Saleh. Electrical Properties of Gadolinium-Doped Ceria/Ternary Carbonate Nanocomposite Electrolyte. The 2nd Libyan Conference on Chemistry and its Applications LCCA-2, 9-11 May 2017.		
4. Ibrahim A Amar, Abubaker Sharif and Mohammed M. Ahwidi. Enhanced ionic conductivity in a composite electrolyte based on cerium oxide-ternary carbonate. Journal of Pure & Applied Sciences 17 (1), 161-169, 2018.		
5. Mohammed Zidan, Samer -Al-Ali, Mohammed M. Ahwidi, Asmaa Ali. Voltammetric reduction of Ellagic acid nanocomposite Using Carbon nanotube -Modified Glassy Carbon Electrode. Journal of Pure & Applied Sciences 17 (1), 2018.		
6. Ibrahim A Amar, Mohammed M. Ahwidi, Mohammed Zidan, Ihssin Abdalsamed, Asmaa Ali. Effect of sintering temperature on the electrical properties of a nanocomposite electro-lyte based on calcium-doped ceria/ternary carbonate. Libyan Journal of Science & Technology 7 (2), 127-132, 2018.		
7. M. Massoud, M. Erhayem and F. Al-Tohami. Removal of Cadmium (II) from aqueous solutions onto Dodonaeae Viscose Leg powder using a green process: Isotherms, Kinetics and Thermodynamics. Iranian Journal of Energy and Environment 10 (1): 10-16, 2019.		
8. Ihssin Abdalsamed, Ibrahim Amar, Mohammed Ahwidi, Omar Abrika, Masood A G Ali. Nanoparticles technology promoting strategies for cancer therapy: Review. Libyan Journal of Science & Technology, 9:2 (2019) 168-175.		

9. Ibrahim A. Amar, Abubaker Sharif, Manal Ali, Sharefa Alshareef, Fatima Altohami, Mabroukah A. AbdulQadir, Mohammed M. Ahwidi. Removal of Methylene Blue from Aqueous Solutions using Nano-Magnetic Adsorbent Based on Zinc-Doped Cobalt Ferrite. Chemical Methodologies, 4 (2020) 1-18.

10. Ibrahim A. Amar, Hebatallah M. Harara, Qamrah A. Baqul, Mabroukah A. AbdulQadir, Fatima A. Altohami, Mohammed M. Ahwidi, Ihssin A. Abdalsamed and Fatema A. Saleh. Photocatalytic degradation of malachite green dye under UV light irradiation using calcium-doped ceria nanoparticles. Asian Journal of Nanoscience and Materials, 3 (2020) 1-14.

11. Ibrahim A. Amar, Mohammed M Ahwidi. Electrocatalytic activity of  $\text{CoFe}_{1.9}\text{Mo}_{0.1}\text{O}_{4-\delta}$ - $\text{Ce}_{0.8}\text{Gd}_{0.18}\text{Ca}_{0.02}\text{O}_{2-\delta}$  composite cathode for ammonia synthesis from water and nitrogen. World Journal of Engineering, (2021) in press.

12. Ibrahim A. Amar, Mohammed M. Ahwidi. Electrocatalytic Activity of Lanthanum Chromite-Based Composite Cathode for Ammonia Synthesis from Water and Nitrogen. Advanced Materials Research, 1160 (2021) 65-74.

### **Publications (books)**

### **Working Experience**

1- **Position:** Demonstrator in Chemistry Department, Faculty of Science, Sebha University, Libya.  
**From:** 2002 to 2010.

2- **Position:** Lecturer in Chemistry Department, Faculty of Science, Sebha University, Libya.  
**From:** 2010 up to now.

### **Departmental Duties & Activities**

1. Manager of Physical Chemistry Division
2. Coordinator of the study and examinations at the pre-medical department ( faculty of pharmacy and dentistry) .

### **Training and Professional Skills**

1. Professional Techniques in Using IR
2. High Skills in Microsoft programs, ISIS Draw, and ChemDraw.
3. Training Course in Medical Laboratory (2008)
4. ICDL License (2017)

**Date /2021/03/08**