

السيرة الذاتية للدكتور/ عمر بن عبدالله الهزازي  
 أستاذ الكيمياء الفيزيائية المشارك – قسم الكيمياء - كلية العلوم التطبيقية – جامعة أم القرى  
 مكة المكرمة – المملكة العربية السعودية

**Curriculum Vitae of Dr. Omar Hazazi – Associate Professor of Physical Chemistry**

Department of Chemistry– Faculty of Applied Science  
 Umm Al-Qura University – Makkah – Kingdom of Saudi Arabia

### قائمة بأبحاث مختارة منشورة في المجلات العلمية المحلية والعالمية

List of selected publications at local and international scientific journals

\*\*\* لمزيد من الأبحاث المنشورة أو الأبحاث تحت النشر يرجى مراجعة رابط "الإنتاج العلمي"

في موقع الدكتور عمر الهزازي [www.uqu.edu.sa/oahazazi](http://www.uqu.edu.sa/oahazazi)

### أولاً : أبحاث مختارة منشورة قبل درجة الدكتوراه

Publications before Ph.D Degree

1. **"The Characterisation of Supported Platinum Nanoparticles on Carbon Used for Enantioselective Hydrogenation: A Combined Electrochemical-STM Approach"**.  
 Gary A. Attard, Ahmad Ahmadi, , David J. Jenkins, **Omar A. Hazzazi**, Peter B. Wells, Ken G. Griffin, Peter Johnston, Jennifer E. Gillies.  
 CHEMPHYSCHEM 4 (2) : 123-130 FEB 17 (2003).

### ثانياً : أبحاث مختارة منشورة من رسالة الدكتوراه

Selected Publications from Ph.D Thesis

2. **"Molecular Recognition in Adsorption and Electro-Oxidation at Chiral Platinum Surfaces"**.  
**Omar. A. Hazzazi**, Gary. A. Attard, Peter B. Wells  
 Journal of Molecular Catalysis A : Chemical 216 (2004).
3. **"Electrochemical Characterisation of Gold on Pt{hkl} for Ethanol Electrocatalysis"**.  
**Omar A. Hazzazi**, Gary A. Attard, Peter B. Wells, F. J. Vidal-Iglesias and Meritxell Casadesus  
 Submitted to Journal of Electroanalytical Chemistry, **July (2008)**.

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### ثالثاً : أبحاث مختارة منشورة بعد درجة الدكتوراه

#### Selected Publications after Ph.D Degree

4. **"On the Global and Local Values of the Potential of Zero Total Charge at Well-Defined Platinum Surface : Stepped and Adatom Modified Surfaces"**.  
 Gary Attard , **Omar Hazzazi**, Peter Wells, Victor Climent, Enrique Herrero, Juan Feliu  
 Journal of Electroanalytical Chemistry, **568 (2004) 329 - 342.**
5. **"On the Corrosion Inhibition of Aluminium in Bicarbonate Buffer Solutions, Part I : Weight Loss, Polarization and EDX Studies"**.  
**Omar A. Hazzazi**  
 Journal of Saudi Chemical Society, **10 (2006) 421 - 428.**
6. **"On the Pitting Corrosion Behaviour of Pure Al by Halide Ions in Neutral Sulphate Solutions and the Effect of Some Inorganic Inhibitors"**.  
**Omar A. Hazzazi**  
 Journal of King Abdulaziz University, Sci., **19 (2007) 47 - 65.**
7. **"Sodium Oleate as an Effective Corrosion Inhibitor for Copper in Aerated Sulphuric Acid Solutions"**.  
**Omar A. Hazzazi**  
 Journal of Saudi Chemical Society, **11 (2007) 173 - 190**
8. **"Corrosion Inhibition Studies of Copper in Highly Concentrated NaCl Solutions"**.  
**Omar A. Hazzazi**  
 Journal of Applied Electrochemistry, **37 (2007) 933 - 940**

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9. **"On the Corrosion Inhibition of Aluminium in Weakly Alkaline Solutions by Some Polyacrylic Acids . Part I : Weight Loss, Polarization , Impedance and EDX Studies"**  
**Omar A. Hazzazi**  
 King Khalid University Journal of Natural, Medical and Technical Sciences, **2 (2008) 16 - 48.**
10. **"Comparison between the Pitting Corrosion of Pure Al and Al-Si Alloys in Deaerated Neutral Sodium Perchlorate Solutions and the Effect of Some Inorganic Inhibitors"**  
**Omar A. Hazzazi**  
 The Arabian Journal for Science and Engineering, **33 No. 2A (2008) 185 - 198**
11. **"Passivation and Cl<sup>-</sup> Induced Depassivation of Cu-Ag Alloys in Borate Buffer Solutions"**  
**Omar A. Hazzazi**, Ayman Zaky, Mohammed Amin and Sayed Abd El Rehim  
 International Journal Electrochemical Science, **3 (2008) 489 - 508**
12. **"Role of Alloyed Silicon and Some Inorganic Inhibitors in the Inhibition of Meta-Stable and Stable Pitting of Al in Perchlorate Solutions"**  
 Mohammed A. Amin , Hamdy H. Hassan, **Omar A. Hazzazi**, Mohsen M Qhatani  
 Journal of Applied Electrochemistry , **38 (2008) 1589 - 1598**
13. **"On the Corrosion Inhibition of Low Carbon Steel in Concentrated Sulphuric Acid Solutions Part I. Chemical and Electrochemical (AC and DC) Studies"**  
 Sayed S. Abdel Rehim, **Omar A. Hazzazi**, Mohammed A. Amin, K.F. Khaled  
 Journal of Corrosion Science, **50 (2008) 2258 – 2271.**

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14. **"Determination of Some Cephalosporins by Adsorptive Stripping Voltammetry"**.  
O. A. Farghaly, **Omar. A. Hazzazi**, E. M. Rabie and M. Khodari  
International Journal Electrochemical Science, **3 (2008) 1055 – 1064**.
15. **"Metal complexes and Voltammetric Determination of Enalapril in Tablet and Urine Samples "**.  
O. A. Farghaly, N. A. Mohamed, **Omar. A. Hazzazi**, A. A. Gahlan and M. A. Mottaleb  
Accepted at Journal of research and reviews in electrochemistry, **(2008)**.
16. **"Synergistic effect of I<sup>-</sup> ions on the corrosion inhibition of Al in 1.0 M phosphoric acid solutions by purine"**.  
Mohammed A. Amin, Mohsen M Qhatani, **Omar A. Hazzazi**  
Accepted at Journal of Materials Chemistry and Physics, **114 (2009) 908 - 914**
17. **Electrochemical Characterization of Gold on Pt{hkl} for Ethanol Electrocatalysis**  
**Omar A. Hazzazi**, Gary A. Attard, Peter B. Wells, F. J. Vidal-Iglesias and Meritxell Casadesus  
Accepted at Journal of Electroanalytical Chemistry, **625 (2009)123-130**.
18. **"Potentiometric and Conductometric Studies on Complexes of Folic Acid with Some Metal Ions"**.  
O. A. Farghaly, **Omar. A. Hazzazi**, T. M. Hassan, and S. Z. Bortata  
Submitted to the **Arabian Journal for Science and Engineering, March (2009)**.
19. **"Electrochemical Characterization of Ethyl Pyruvate on platinum and epitaxial palladium adlayers"**.  
**Omar A. Hazzazi**, S.E. Huxter, R. Taylor, G.A. Attard  
Sibmitted to Journal of Electroanalytical Chemistry, **(2009)**.