

# Prof. MUZAFFER ÖZCAN

## Personal Information

**Email:** ozcanm@cu.edu.tr

**Web:** <https://avesis.cu.edu.tr//ozcanm>

## International Researcher IDs

ORCID: 0000-0002-0959-0903

Publons / Web Of Science ResearcherID: C-7068-2017

ScopusID: 23480492600

Yoksis Researcher ID: 101995

## Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Kimya, Turkey 2000 - 2005

Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, Kimya, Turkey 1997 - 2000

Undergraduate, Middle East Technical University, Faculty Of Education, Kimya Öğretmenliği, Turkey 1992 - 1997

## Foreign Languages

English, C1 Advanced

## Research Areas

Chemistry, Physical Chemistry, Electrochemistry, Natural Sciences

## Academic Titles / Tasks

Professor, Cukurova University, Eğitim Fakültesi, İlköğretim, 2015 - Continues

Associate Professor, Cukurova University, Eğitim Fakültesi, İlköğretim, 2010 - 2015

Assistant Professor, Cukurova University, Eğitim Fakültesi, İlköğretim, 2007 - 2010

Lecturer PhD, Cukurova University, Eğitim Fakültesi, İlköğretim, 2005 - 2007

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Why Equilibrium Constants Are Unitless**  
ÖZCAN M.  
JOURNAL OF PHYSICAL CHEMISTRY LETTERS, vol.13, no.15, pp.3507-3509, 2022 (SCI-Expanded)
- II. **Revisiting the analysis of impedance data for double layer capacitance**  
Ozcan M.  
ANALYST, vol.140, no.15, pp.5216-5219, 2015 (SCI-Expanded)
- III. **Insights into surface-adsorbate interactions in corrosion inhibition processes at the molecular level**  
ÖZCAN M., Toffoli D., Ustunel H., DEHRİ İ.  
CORROSION SCIENCE, vol.80, pp.482-486, 2014 (SCI-Expanded)

- IV. **On the Extraction of Double-Layer Capacitances for Nonideal Capacitive Behaviors**  
ÖZCAN M., DEHRİ İ., ERBİL M.  
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.51, no.43, pp.14061-14064, 2012 (SCI-Expanded)
- V. **Quantum Chemical Studies on the Corrosion Inhibition of Mild Steel by Some Triazoles and Benzimidazole Derivatives in Acidic Medium**  
Kabanda M. M., Murulana L. C., Özcan M., Karadağ F., Dehri I., Obot I. B., Ebenso E. E.  
INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE, vol.7, pp.5035-5056, 2012 (SCI-Expanded)
- VI. **Determination of impedance parameters for mild steel/HCl interface using integration method**  
ÖZCAN M., DEHRİ İ.  
CORROSION SCIENCE, vol.54, pp.201-204, 2012 (SCI-Expanded)
- VII. **Experimental and theoretical studies of thiazoles as corrosion inhibitors for mild steel in sulphuric acid solution**  
Doner A., Solmaz R., ÖZCAN M., KARDAŞ G.  
CORROSION SCIENCE, vol.53, no.9, pp.2902-2913, 2011 (SCI-Expanded)
- VIII. **Copper modified poly-6-amino-m-cresol (poly-AmC/Cu) coating for mild steel protection**  
Keles H., Solmaz R., Oezcan M., Kardas G., DEHRİ İ.  
SURFACE & COATINGS TECHNOLOGY, vol.203, no.10-11, pp.1469-1473, 2009 (SCI-Expanded)
- IX. **AC impedance measurement of cystine adsorption at mild steel/sulfuric acid interface as corrosion inhibitor**  
Oezcan M.  
JOURNAL OF SOLID STATE ELECTROCHEMISTRY, vol.12, no.12, pp.1653-1661, 2008 (SCI-Expanded)
- X. **Interfacial behavior of cysteine between mild steel and sulfuric acid as corrosion inhibitor**  
ÖZCAN M., KARADAĞ F., DEHRİ İ.  
ACTA PHYSICO-CHIMICA SINICA, vol.24, no.8, pp.1387-1392, 2008 (SCI-Expanded)
- XI. **Adsorption properties of barbiturates as green corrosion inhibitors on mild steel in phosphoric acid**  
Oezcan M., Solmaz R., Kardas G., DEHRİ İ.  
COLLOIDS AND SURFACES A-PHYSCOCHEMICAL AND ENGINEERING ASPECTS, vol.325, no.1-2, pp.57-63, 2008 (SCI-Expanded)
- XII. **Investigation of adsorption characteristics of methionine at mild steel/sulfuric acid interface: An experimental and theoretical study**  
Ozcan M., KARADAĞ F., DEHRİ İ.  
COLLOIDS AND SURFACES A-PHYSCOCHEMICAL AND ENGINEERING ASPECTS, vol.316, no.1-3, pp.55-61, 2008 (SCI-Expanded)
- XIII. **The effect of temperature on the corrosion of mild steel in acidic media in the presence of some sulphur-containing organic compounds**  
Dehri I., Ozcan M.  
MATERIALS CHEMISTRY AND PHYSICS, vol.98, pp.316-323, 2006 (SCI-Expanded)
- XIV. **Electrochemical and quantum chemical studies of some sulphur-containing organic compounds as inhibitors for the acid corrosion of mild steel**  
Ozcan M., Dehri I.  
PROGRESS IN ORGANIC COATINGS, vol.51, no.3, pp.181-187, 2004 (SCI-Expanded)
- XV. **Organic sulphur-containing compounds as corrosion inhibitors for mild steel in acidic media: correlation between inhibition efficiency and chemical structure**  
Ozcan M., Dehri I., Erbil M.  
APPLIED SURFACE SCIENCE, vol.236, pp.155-164, 2004 (SCI-Expanded)
- XVI. **EIS study of the effect of high levels of SO<sub>2</sub> on the corrosion of polyester-coated galvanised steel at different relative humidities**  
Ozcan M., Dehri I., Erbil M.  
PROGRESS IN ORGANIC COATINGS, vol.44, no.4, pp.279-285, 2002 (SCI-Expanded)

## **Metrics**

Publication: 17

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