CV

Al-Shahrani, Saad
Associate Professor, Department of Chemical and Materials Engineering, King Abdulaziz University

Education			
Degree	*Field of Study*	*Institution*	*Year*
PhD	Chemical Engineering	University of Manchester, Institute of Science and Technology (UMIST), UK	2004
MS	Chemical Engineering	King Abdulaziz University	1998
Diploma	NBC Protection	Army Chemical School, Alabama, USA	1993
BS	Chemical Engineering	King Abdulaziz University	1989

Academic Experience					
From	*To*	*Institution*	*Rank*	*Title*	*Full or Part Time*
1994	2007	Air Defence forces Institute	Lecturer		Full Time
2008	2014	King Abdulaziz University	Assist. Prof.		Full Time
2014	present	King Abdulaziz University	Assoc. Prof		Full time

Non Academic Industrial Experience *(including Consultations)*					
From	*To*	*Company/Entity*	*Title*	*Position Description*	*Full or Part Time*
2004	2007	Air Defence Forces Institute		Head of Research and Development Depart.	Full Time
2004	2007	Air Defence Forces Institute		Head of Research Committee	Full Time
2005	2006	Air Defence Forces Institute		Head of Computer Department	Full Time
2005	2007	Air Defence Forces Institute		Head of E-Learning Committee	Full Time
1998	2007	Air Defence Forces Institute		Head of NBC Department	Full Time
1996	1997	Air Defence Forces Institute		Commander of Training Aids Depart.	Full Time
1994	1996	Air Defence Forces Institute		Training Aids Officer	Full Time
1993	2006	Air Defence Forces Institute		Editor	Full Time
1990	1993	Air Defence Forces Institute		NBC Officer	Full Time

Funded Research Projects and Patents from the Past Five Years	
1.	Removal of Heavy Metals (Cu+2, Zn+2, Fe+2 and Cd+2) from Aqueous Solutions Using Saudi Activated Bentonite.
2.	Removal of nickel from aqueous solutions using Saudi activated bentonite.
3.	Treatment of wastewater contaminated with cobalt by adsorption on to Saudi activated bentonite.

4.	Improving the corrosion resistance of brass in sulphide polluted solutions using triazole derivative.
5.	Development plan for the department of mining engineering.

Certifications and Professional Registrations
None

Current Membership in Professional Societies and Organizations		
Society/organization	*Rank*	*Member Since*
None		

Honours and Awards
1. Skilful medal.
2. Service medal.
3. Liberation of Kuwait medal.
4. Battle medal.
5. Honorary membership of United State Chemical Corp.

Institutional and Professional Services *(administration, committees, units, etc.)*	
1.	2016-2017 Dean, college of engineering- University of Jeddah
2.	2012 – 2016 Vice dean, College of Engineering – North Jeddah, King Abdulaziz University.
3.	2011 – 2012 Chairman, Mining Engineering Department, King Abdulaziz University, KAU
4.	2008 – 2011 Member of College of Engineering strategic plan committee, KAU
5.	2008 – 2011 Students Affairs committee coordinator in Chemical Engineering Department, KAU
6.	2008 – 2011 Academic affairs committee coordinator in Chemical Engineering Department, KAU
7.	2008 - 2012 Member of public relations committee in college of Engineering, KAU

Principal Publications/Presentations from the Past five Years	
1.	Al-Shahrani S.S., El-Shazly A.H.. Corrosion Inhibition of a Gas Sparged Copper Cylinder in a Solution of NaCl and Na_2S by Using 4-Amino-4H-1,2,4-triazole as Corrosion Inhibitor. Journal of new materials for electrochemical systems, 19 (3), 2016, Pages: 163-167.
2.	Sharif F. Zaman,, Nagaraju Pasupulety,Abdulrahim A. Al-Zahrani, Muhammad A. Daous, Saad S. Al-Shahrani, Hafedh Drissa, Lachezar A. Petrov, Kevin J. Smith. Carbon monoxide hydrogenation on potassium promoted Mo2N catalysts. Applied Catalysis A: General, Volume 532, 25 February 2017, Pages 133–145.
3.	Muhammad Farooqi, Aqeel Taimoor, Saad Al-Shahrani, Dumitru Baleanu, Sami Rather. Detection of Lead and Cadmium Ions by Voltammetry using Antimony Impregnated Activated Carbon. REV. CHIM. (Bucharest), 66, No. 4, 2015.
4.	Tamer E Youssef, Yahia A. Alhamed, Saad S. Al-Shahrani, Korany A. Ali Antitumor Activity of Tetra-Substituted Zinc Phthalocyanines containing 4(3H)-Quinazolinone derivatives, Revista de Chimie, 2014, Vol. 65, No.5, P. 560-564.
5.	Al-Shahrani S. S. Treatment of wastewater contaminated with cobalt using Saudi activated bentonite. Alexandria Engineering Journal (2013).
6.	Al-Shahrani S. S. Treatment of Wastewater Contaminated with Fe(II) by Adsorption onto Saudi Activated Bentonite. International Journal of Engineering & Technology IJET-IJENS Vol:13 No:06 (2013) pp.62-72.

7.	Al-Shahrani S. S. Removal of malachite green from wastewater using Khulays natural bentonite. The European Conference on Sustainability, Energy and the Environment 20 13, Official Conference Proceedings 20 13.
8.	El-Shazly, A.H. , Al-Shahrani, S.S. Corrosion Protection of Rotating Copper Rod in a Solution of NaCl and Na2S by Using 4-Amino-4H-1,2,4-Triazole as Corrosion Inhibitor. Int. J. Electrochem. Sci., 8 (2013) 7115- 7123.
9.	Al-Shahrani S. S. Removal of cadmium from waste water using Saudi activated bentonite. WIT Transactions on Ecology and The Environment, Vol 163, 2012 . Pages 391-402.
10.	El-Shazly, A.H. , Al-Zahrani, A.A., Al-Shahrani, S.S. Improvement of NO3- removal from wastewater by using batch electrocoagulation unit with vertical monopolar aluminum electrodesVolume 6, Issue 9, September 2011, Pages 4141-4149.
11.	Al-Shahrani S. Removal of lead from aqueous solutions using Saudi activated Bentonite. WIT Transactions on Ecology and the Environment 135(2010) pp. 277-288.
12.	Al-zahrani, A. A. Al-Shahrani, S. S., and Al-Tawil, Y. A., "Study on the Activation of Saudi Natural Bentonite, Part II: Characterization of the produced active clay and its Test as an Adsorbing agent", Journal of King Saud University13 (2), Eng. Sci.(1), PP. 203-224 (2002).
13.	Al-zahrani, A. A., Al-Shahrani, S. S. , and Al-Tawil, Y. A., "Study on the Activation of Saudi Natural Bentonite, Part I: Investigation of Optimum Conditions and Kinetics of the Sulfuric Acid Activation Process", Journal of King Saud University, Vol. 13 (1), Eng. Sci.(1), PP. 57-72 (2001).
14.	Al-zahrani, A. A., Al-Shahrani, S. S. and Al-Tawil, Y. A., "Study on the Activation of Saudi Clays", Chemical Engineering World, v 34, n 12, 1999, p 91-101.
15.	Al-Shahrani, S. and E.P.L Roberts, Remediation of Land Contaminated with Strontium by Electrokinetic Treatment, Proceeding of the 53rd Annual Meeting of the Internationl Society of Electrochemistry, 2002.
16.	Al-Shahrani S.S. and E.P.L Roberts, Remediation of Land Contaminated with Cesium and Strontium by Electrokinetic Treatment, Proceeding of Electrochem 2002.
17.	Al-Shahrani S.S. and Roberts E.P.L. (2005) Electrokinetic removal of caesium from kaolin, Journal of Hazardous Materials, 122, 91-101.

Recent Professional Development Activities *(Workshops, training, etc.)*
None