

## Shaalan Bdaiwi AHMED

PERSONAL  
INFORMATION

D.n. [REDACTED]

 Baghdad, Iraq

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## PROFESSIONAL EXPERIENCE

## CURRENT WORKPLACE

Ministry of Science and Technology, Baghdad, Iraq.

Engineer

Operation of wastewater treatment laboratory installations

Operation in safety systems and equipment for industrial security

## PREVIOUS WORKPLACE

Ministry of Industry, Baghdad, Iraq.

Engineer

2001-2003

Water treatment

Operation in safety systems and equipment for industrial security

2005-2013

Journal of Iraq

Sound Engineer

Journalist

Radio Director

## EDUCATION AND TRAINING

2017-2022

PhD

Chemical Engineering field

Department of Chemical and Biochemical Engineering

Doctoral School: Chemical Engineering and Biotechnologies, University Politehnica of Bucharest, Romania.

Doctoral thesis topic: *Sorption processes with adsorbents from natural products*

2015-2017

Master

Chemical Engineering field

Department of Chemical and Biochemical Engineering

University Politehnica of Bucharest, Romania.

Dissertation topic: *Enhanced removal of lead from wastewater using agricultural waste as natural adsorbents*

2009-2012

B. Sc. Political Science

Faculty of Political Sciences, University of Baghdad, Iraq.

1987-1991

B.Sc. in Chemical Engineering

Chemical Engineering field

Department of Chemical Engineering

University of Technology, Baghdad, Iraq,

## PERSONAL SKILLS

Language (s) maternal (s) Arabic

## Other known foreign languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Participating in the conversation	Oral Speech	
English	B2	B2	B2	B2	B2
Romanian	A2	A2	A2	A2	A2

 Levels: A1/A2: Elementary user - B1/B2: Independent user - C1/C2: Experienced user  
 Common European Framework of Reference for Foreign Languages

## Courses and training

 Occupational security and industrial security.  
 Multiple computer courses.  
 Chemical and biological tests of drinking water.  
 Chemical testing of waste water.  
 Audio Engineering course

## Computer skills

Advanced user skills: installation of operating systems Windows (XP, Vista, 7, 8, 10), software MS Office (Word, PowerPoint, Excel, Visio, MS Project), Mathcad.

## Other skills

 Experience in the teaching of the following scientific subjects: Organic Chemistry, Inorganic Chemistry, Industrial Chemistry, Engineering Materials, Measurement and Instruments, the Principles of Chemical Engineering Calculations, Industrial Plants, and Environmental Pollution.  
 Experience in teaching topics of occupational and industrial safety.

 Scientific publication works,  
 international conferences

**Ahmed, S.B.**, Stoica-Guzun, A., Kamar, F.H., Dobre, T., Gudovan, D., Busuioc, C., Jipa, I. M., *Ultrasound enhanced removal of lead from wastewater by hazelnut shell: an experimental design methodology*, International Journal of Environmental Science and Technology, 16 (3) 1249-1260 (2019). ISSN: 1735-1472.  
 DOI: 10.1007/s13762-018-1782-z. WOS: 000460696700003 (Q3, IF-3.519).

**Ahmed, S.B.**, Dobre, T., Kamar, F.H., Mocanu, A., Deleanu, I.M., *Full factorial design and dynamic modelling of silent and ultrasound-assisted lead and cadmium removal by porous biosorbent*, Scientific Reports, 12 (1) 8158 (2022). ISSN: 2045-2322.  
 DOI: 10.1038/s41598-022-12454-4. WOS: 000815482800038. (Q2, IF-4.996)

**Ahmed, S.B.**, Dobre, T., Kamar, F.H., Deleanu, I.M., *Biosorption of lead and cadmium onto hazelnut shells in a fixed-bed column*, U.P.B. Scientific Bulletin, Series B, 84 (3) 41-52 (2022). ISSN: 1454-2331.

**Shaan BDAWI AHMED**, Cristian RADUCANU, Alexandra BALEA, Irina MACAU, Stefania SERDARU, Anda VASILE, Iuliana JIPA, *Statistical Model to Characterize Process Factors Influence on Partial Mass Transfer Coefficient in Rotating Biological Contactors*, 2018 Symposium SICHEM, Bucharest, Romania, 6-7 September 2018

**Ahmed, S.B.**, Dobre, T., Kamar, F.H., Deleanu, I.M., *Continuous adsorption of heavy metals – case of Pb (II) and Cd (II) removal by biosorbents in fixed-bed column*, 22nd Romanian International Conference on Chemistry and Chemical Engineering (RICCCE 22) Sinaia, Romania, 7-9 September 2022

**Shalan Bdaiwi Ahmed**, Amer Naji Ahmed Al-Naemi, Firas Hashim Kamar, Hussein Fawzi Hussein, Maha Salah Nawar, *Adsorption of Phenol from Aqueous Solution using Graphene Nano-Particles*, 4<sup>th</sup> International Conference on Sustainable Engineering Techniques (ICSET 2022), Baghdad, Iraq, 5-6 October, 2022, Letter of Acceptance and Invitation, Ref: 139 Date: 24/7/2022, Paper ID: 169

Total IF – 8.515

Member of Unions and  
Associations

Association of Engineers in Iraq.  
Association of occupational Safety in Iraq.  
Iraqi Journalists Syndicate  
SICR- Romanian Chemical Engineering Society

September 2022