

Biography

Full Name:	Atyaf Khalid Hamid Saleh Aldhan	
Place and date of birth:	Anbar 1970	
Nationality:	Iraqi	
Functional class:	the second	
Passport number:	A9630713	
language skills:	Arabic - English	
E-mail:	atyaf.ump2015@gmail.com	
Career Title:	Chief Chemist Senior	
Current Circle:	Ministry of Science and Technology / Department of Environment and Water / Center for Pollution Treatment Technology	
Previous circle:	Chemistry and Petrochemical Industries Research	
Date of hiring	6/12/1992	

Certificates

PhD	Organic Chemistry - University of Bahang Malaysia (UMP) -2017
Thesis Title	Preparation and characterization of supported zero valent iron for the treatment of organic pollutants in water
Masters	Organic Chemistry - University of Baghdad - Faculty of Science 2003
Thesis title	Preparation of melamine resins with melamine reaction from some aldehydes and study their reactions with other reagents

Publications

1. Novel modified ZSM-5 as an efficient adsorbent for methylene blue removal" Atyaf Khalid Hammed, Nugroho Dewayanto, Du Dongyun, Mohd Ridzuan Nordin, Mohd Hasbi Ab Rahim Elsevier- Journal of Environmental Chemical Engineering 4(2016),pp.2607-2616.
2. Kinetic and Thermodynamics of Methylene Blue Adsorption onto Zero Valent Iron Supported on Mesoporous Silic Atyaf Khalid Hammed, Nugroho Dewayanto, Du Dongyun, Mohd Ridzuan Nordin, Mohd Hasbi Ab Rahim a/Bulletin of Chemical Reaction Engineering & Catalysis, 11 (2), 2016, 250-261
3. Synthesis and characterization of nano scale zero-valent iron supported on mesoporous silica Atyaf Khalid Hammed, Nugroho Dewayanto, Du Dongyun, Mohd Ridzuan Nordin, Mohd Hasbi Ab Rahim / 9th Joint Conference on Chemistry 13-14 November 2014, Semarang, Indonesia.
4. Adsorption study of chloroform onto zero valent iron supported on mesopours silica Atyaf Khalid Hammed, Nugroho Dewayanto, Du Dongyun, Mohd Ridzuan Nordin, Mohd Hasbi Ab Rahim,Advance in applide research,2017,8(2):62-68.
5. Comparative studies of chloroform adsorption onto zero valent iron supported on zeolite as efficient adsorbent, Atyaf Khalid Hammed, Nugroho Dewayanto, Du Dongyun, Mohd Ridzuan Nordin, Mohd Hasbi Ab Rahim. The6th International scienntific conference for nano technology,Advanced materials and their appliction,2018.

6. Removal of Chloroform from Aqueous Solution by the Adsorption onto Zero Valent Iron Supported on Zeolite as an Efficient Adsorbent. Atyaf Khalid Hameed1*, Mohd Hasbi Ab. Rahim1, Nugroho Dewayanto2 and Mohd Ridzuan Nordin3, International Journal of Applied Science – Research and Review, 2018, vol.5,No.3:14.
7. Isotherm and thermodynamic studies of 2,4,6 Tichlorophenol onto newly adsorbents based zeolite as an efficient adsorbents. Atyaf Khalid Hameed1 • Mohd Hasbi Ab. Rahim2 • Nugroho Dewayanto3 • Mohd Ridzuan Nordin4. Springer Nature Applied Sciences (2019) 1:419
8. Preparation and diagnosis of new types of Schiff bases and monoclonal synapses to study their chemical effectiveness, Atyaf Khalid Hameed1 .2014 (11) 2
9. The treatment of convective furnace and laser technology and the effect of adding zinc on some mechanical properties of tooth fillings, Atyaf Khalid Hameed1 Faculty of Science / University of Mustansiria – Volume of the Sixth Scientific Conference of Pure Sciences, 9–10 February 2010.
10. Studying the properties of cobalt – chromium welding using laser technology. Atyaf Khalid Hameed1 International Journal for Sciences and Technology Vol.5, No.1, January 2010.
11. Preparation and diagnosis of some of the five oxidation oxaluminium complexes of the oxidative state / Atyaf Khalid Hameed1 Journal of the Faculty of Science, University of Mustansiriya (September 2009).
12. Study of spectroscopy of laser technology and UV–ViS spectroscopy of multi–grade hydraulic oils at the refinery of the course, Atyaf Khalid Hameed1 DhiQar University, vol. 1, 2010.
13. Spectral study of the effect of laser thermal treatment of Iraqi crude oil Special Issue for KUF as first conference for physics.2010, Journal of kufa–physics
14. The use of some polymeric additives as anticorrosive materials in oil refining towers, International conference on Iraqi oil studies, Atyaf Khalid Hameed1 Baghdad 20–22–Dec.2011.
15. Preparation of a solid resin of amic acid using acid anhydrides as a dispersant for oil International conference on Iraqi oil studies, Atyaf Khalid Hameed1 Baghdad 20–22–Dec.2011.
16. Extraction of Food– grade paraffin oil from light petroleum cuts by using special Iraqi International conference on Iraqi oil studies , Atyaf Khalid Hameed1 Baghdad 20–22–Dec.2011.
17. Using the Mathematical Model in the Study of Biological Properties of Treated Wastewater, Conference entitled "Protecting the Environment and Maintaining Water Quality a Basis for Promoting Agricultural Production and a Guarantee for Food Security and Sustainable Development" Atyaf Khalid Hameed1 / Antalya 2012.
18. "Water Resources and Water Security for the Middle East and the Mediterranean Basin", Atyaf

Khalid Hameed1 Jordan, 2012.

19. Treatment of Metallic Contaminants in Heavy Oil by Chemical Methods to Reduce Environmental Pollution / Second Conference of Environmental Research Atyaf Khalid Hameed1 / Baghdad – Al-Alam University College, October 2012.
20. Biogas production from sewage sludge with gasification technology / Conference entitled "Protecting the environment and conserving water quality is a basis for promoting agricultural production and ensuring food security and sustainable development" Atyaf Khalid Hameed1 / Antalya 2012.
21. The use of plants in soil oil pollution treatment / First national women's conference / Ministry of Science and Technology Ahmed khaddar, Atyaf Khalid Hammed and Sharifa sabar ,2012.
22. Building a Chemical Sensor to Evaluate Lead in Polluted Water / First National Women's Conference / Atyaf Khalid Hameed1 Ministry of Science and Technology / 2012.

Patented

Jointly patented (manufacture of environmentally friendly and biodegradable drinking water bottles, polyethylene terephthalate) Patent No. 4027 dated 2/10/2014

Scientific and administrative tasks

1. Head of Oil and Grease Division: From (1/4/2007) till (18/5/2010) .
2. Head of the Improvements Division: From 1/1/1999 to 1/4/2007 .
3. Head of the Department of organic and inorganic pollutants from the date of 1/2/2011 until the expiry of the study on 15/9/2013 in the Department of Environment and Water / Ministry of Science and Technology.
4. Head of the Department of organic and inorganic pollutants 2019.
5. Head of the Division of Hazardous Materials Research 2020. Department of Environment and Water / Ministry of Science and Technology.

Honoring

1. Awarded by the Euro-Arab Organization for Excellence in Scientific Excellence in the Organization in 2012.
2. I have three thank-you books for 2012, one of which is an external book.

Committees assigned to them

1. Member of the Technical Advisory Committee of the creditor, rubber and petroleum products in the Department of Quality Control and Control since 2008.
2. Representative of the Ministry of Science and Technology of the Ministry of Environment on the subject of solvents affecting the ozone layer, where a comprehensive survey of all scientific laboratories in the Ministry to the Ministry of Environment for the purpose of preparing a database on the subject.

Conferences

1. Scientific Research Policies and Their Role in National Development / Al Mansour Al Mellia Hotel (22-24 June 2009).
2. Third Scientific Conference / Faculty of Science / University of Baghdad / 24-26 / 3 / 2009.
3. The First Scientific Conference of Nanotechnology and Advanced Materials / University of Technology / 13-15 / 15/2009.
4. The first scientific conference of modern techniques in the liquidation of oil and gas

for the period from 25 to 27 April 2011.

5. World Conference on Iraq Oil Studies, Baghdad, 20-22 December 2011.
6. Conference entitled "Water Resources and Water Security for the Middle East and the Mediterranean Basin" / The Hashemite Kingdom of Jordan 2012.
7. Conference entitled "Protecting the environment and preserving water quality is a basis for promoting agricultural production and ensuring food security and sustainable development" / Antalya 2012.
8. Second Conference of Environmental Research / Baghdad - College of Science, University, October 2012.
9. First National Women's Conference / Ministry of Science and Technology / 2012.
10. The 19th Joint Conference on Chemistry (SCC-9), Venue : Semarang, Indonesia, Date: 12-13 November 2014, Title : Synthesis characterization of Nanoscale Zero-Valent Iron supported on mesoporous silica
11. International conference of Fluid & chemical Engineering (Fluids chE2015), Venue: Adya Hotel Langkawi, Malaysia, Date: 25-27 November, 2015, Title: Adsorption Kinetic and Thermodynamics of Methylene Blue on Zero valent Iron supported on Mesoporous silica.
12. "Comparative studies of Chloroform adsorption onto Zero-Valent Iron Supported on zeolite as an efficient adsorbent". "The 6th International Scientific Conference on Nanotechnology, Advanced Materials and its Applications (ICNAIMA 2018)". Atyaf Khalid Hammed, Nugroho Dewayanto, Du Dongyun, Mohd Ridzuan Nordin,

Scientific skills

Scientific reviewer from 2017, 2018 and so far going on 2020 in the following journals

1. Bulletin of chemical reaction engineering & catalyst, 2018, (peer reviewers certificate).
2. Elsevier-journal of Environmental Chemical Engineering from 2017 and so on in 2020, (peer reviewers certificate).