

Curriculum Vitae Template

Personal Information

Name	Alaa Mahmoud Mohammad Al-Ma'abreh
Academic Rank	Associate professor
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Academic Qualification

Degree	Major	Awarding University	Duration		Country
			From	Year of Awarding	
PhD	Physical Chemistry	The University of Jordan	2012	2016	Jordan
Master	Inorganic Chemistry	Mu'tah University	2004	2008	Jordan
Bachelor	Chemistry	Mu'tah University	1999	2003	Jordan

Academic Experience

Duration (Years)	University	Position	Main Duties
2023-now	Isra University	Associate Professor	Teaching & researches
2017-now	Isra University	Assistant professor	Teaching & research
2008-2017	Tafila Technical University	Teacher and research assistant	Teaching and research

Professional Experience

Duration (Years)	Institution	Job title	Main duties
2023-now	Al-Isra University	Dean of Faculty of Sciences	Administrative work
2020-2023	Al-Isra University	Assistant dean for Quality Affairs	Administrative work
3 years 2018-2021	Al-Isra University	Head of Chemistry department	Administrative work
8 years 2008-2017	Tafila Technical University	Teacher and research assistant	Teaching and research
3 years 2005-2008	Tafila Technical University	Laboratory supervisor	supervision

Training Courses

Course	Organizer	Date	Participant/	language
Complete and Integrated electronic Courses Design	Isra University	14/7-5/9/2021	Participant	Arabic
International Scientific Publishing Training Diploma	IFAD platform & International Foundation of Academic Development	15-22/8/2021	Participant	English
Certified eLearning lecturer	The ACADEMY of ELearning Britain & The Association of Arab Universities	18 th june -18 th July/2021	participant	English

Attracting carbon dioxide	Union of Arab Chemists	23/5/021	Participant	English
Research review and defense of theses - an applied theoretical approach	IFAD Platform	19/4/2021	Participant	Arabic
Educational Performance in Universities and its Impact on Scientific Research	IFAD Platform	16/04/2021	participant	Arabic
Tips in Writing a Dissertation	IFAD Platform	10/4/2021	Participant	Arabic
Crisis management: the role of leadership and success factors	IFAD Platform	10/4/2021	Participant	Arabic
Scientific Research Between Preparation and Supervision	IFAD platform	2/4/2021	Participant	Arabic
Scientific Publishing Strategies in the International Journals	IFAD Platform		Participant	Arabic
Prospects Application of Total Quality in Higher Education Institutions	IFAD Platform	4/3/2021	Participant	Arabic
How to qualify for ABET accreditation and re-accreditation	Association of Arab Universities	Nov./2019	Participant	English
Drug Aided design	The university of Jordan	2013	Participant	English
General safety course	Tafila Technical University	2005	Participant	Arabic

Publications

Paper title	Journal	ISSN	Vol. Issue	Year	Country
Adsorption of Pb, Cu, and Ni Ions on Activated Carbon Prepared from Oak Cupules: Kinetics and Thermodynamics Studies	Molecules	-	29 (1)	2024	-

Enhancement of Borosilicate Glass's Radiation Shielding Properties: Impacts of PbO Substitution for SiO ₂	Silicon	-	16 (3)	2024	-
Removal of Heavy Metal Ions (Pb ²⁺ , Co ²⁺ , and Cd ²⁺) by Activated Carbon from Cypress Fruit: An Investigation of Kinetics, Thermodynamics, and Isotherms	Journal of Chemistry	-	2024 (1)	2024	-
Investigation of kinetics, thermodynamics, and isotherms of the simultaneous removal of heavy metal ions by activated carbon from cypress fruit	Adsorption Sciences and Technology	-	42	2024	-
Enhancement of Borosilicate Glass's Radiation Shielding Properties: Impacts of PbO Substitution for SiO ₂	Silicon	18769918	-	2023	Netherlands

Exploring the kinetics, thermodynamics, and isotherms of sodium naproxen uptake by oak-based activated carbon with ultrasonic enhancement	Desalination and Water Treatment,	1944-3986 1944-3994	300	2023	United State
Evaluation of the ability of pure and gold-doped graphyne-like BN-yne as a chemical drug sensor	Diamond and Related Material	09259635	139	2023	Netherlands
The impact of Titanium doping upon the sensing capability of ZnO nanosheets in detecting phosgene	Inorganic Chemistry Communications	-	156	2023	-
Assessing of drinking water quality in Al-karak province in central Jordan; based on water saturation indices	Heliyon	24058440	9	2023	Netherlands
Uncovering the remarkable electrochemical performance of B ₂ N ₂ monolayer as a promising candidate for Mg-ion batteries	Computational and Theoretical Chemistry	X2210271	1228	2023	Netherlands

Exploring Ni-doped boron carbide nanotubes: Structural and electronic properties for proton-exchange membrane fuel cells	Inorganic Chemistry Communications	-	155	2023	-
Coupling membrane electro-bioreactor with anammox process to treat wastewater at low temperatures	Arabian Journal of Chemistry	18785352	16 (10)	2023	Saudi Arabia
Performance enhancement of dye-sensitized solar cells based on nitrogen-doped graphene quantum dots	Computational and Theoretical Chemistry	X2210271	-	2023	Netherlands
Designing a promising electrocatalysts based on iron single-atom doped in graphyne-like BN-yne for water splitting application	Journal of Physics and Chemistry of Solids	00223697	180	2023	United Kingdom
Study the single-atom Mn-doped catalysts on boron nitride sheet surface as cathode for oxygen reduction reaction in proton-exchange membrane fuel cells	Sustainable Chemistry and Pharmacy	23525541	33	2023	Netherlands

Sonicating for the Uptake of Paracetamol from Solution by Activated Carbon from Oak: Kinetics, Thermodynamics , and Isotherms	Adsorption Science & Technology	02636174	2023	2023	United Kingdom
Adsorption of Anionic and Cationic Dyes on Activated Carbon Prepared from Oak Cupules: Kinetics and Thermodynamics Studies	International Journal of Environmental Research and Public Health (IJERPH)	16617827	20(4)	2023	Switzerland
Adsorption Characteristics of Hair Dyes Removal from Aqueous Solution onto Oak Cupules Powder Coated with ZnO	International Journal of Molecular Sciences, 2022, 23 (19), 11959	1422-0067 1661-6596	23 (19)	2022	Switzerland
A Comparative Study for the Removal of Crystal Violet from Aqueous Solution by Natural Biomass Adsorbents of a Pinecone, Cypress, and Oak : Kinetics, Thermodynamics , and Isotherms	Desalination and Water Treatment,	1944-3986 1944-3994	279	2022	United State

Removal of paracetamol from water and wastewater by Jordanian olivine: influence of ultrasonication	Desalination and Water Treatment,	1944-3986 1944-3994	152	2022	United State
Dual pretreatment-concentration hybrid process of salty water feed and reject of desalination plants	Desalination and Water Treatment,	1944-3986 1944-3994	271	2022	United State
Simultaneous adsorption of tetracycline, amoxicillin, and ciprofloxacin by pistachio shell powder coated with zinc oxide nanoparticles	Arabian Journal of Chemistry	1878-5352	13(3)-4629-4643	2020	KSA
The effect of some green inhibitors on the corrosion rate of Cu, Fe and Al metals	Int. J. Corros. Scale Inhib	23056894	8, no. 2	2019	Russian Federation

Mitigation Of Scale Problem In The Pumped Disi Water To Amman, Jordan	Environment Protection Engineering	0324-8828 (print version) 2450-260X (electronic version)	45 (1)	2019	Poland
Efficiency and mechanism of water defluoridation by mixtures of Jordanian Zeolite, Pozzolana, Feldspar, and Tripoli	Desalination and Water Treatment	ISSN Print 1944-3994, ISSN Online 1944-3986	125	2018	United States
Utilization of Calcined Gypsum in Water and Wastewater Treatment: Removal of Ibuprofen	. Jordanian Journal of Engineering and Chemical Industries (JJEI)		Vol. 1 No.2,	2018	Jordan
Assessment Of Quality And Potential Of Scale Formation And Corrosivity Of Drinking Water Supplied From Disi To Amman, Jordan	Fresenius Environmental Bulletin (FEB)	10184619	26	2017	Germany

Investigation of the Electronic and pH-Sensing properties of Hydroxyl-Functionalized Imine-Linked Polymers via the UV-Vis Absorption Spectra and the Density Functional Theory (DFT) Calculation	J.Pure App. Chem. Res.	p-ISSN : 2302 – 4690 e-ISSN : 2541 – 0733	6 (1)	2017	
Quality of Drinking Water in Storage Ranks in Tafila Province	Trends in Chemical Engineering	4478-0972	16	2017	Japan
Influence of flow rate variations on chemistry change of pumped Disi water to Amman/Jordan: A laboratory simulation approach	Desalination and Water Treatments	ISSN Print 1944-3994, ISSN Online 1944-3986	92	2017	United States
A Novel Strategy for the Identification of the Medicinal Natural Products in RubusFruticosus Plant by Using GC/MS Technique: A Study on Leaves, Stems and Roots of the Plant	Advances in Analytical chemistry,	2163-2839	5(2),	2015	United States

The role of Fe–X···X–Fe contacts in the crystal structures of [(2-iodopyridinium) ₂ FeX ₄]X (X = Cl, Br)	Structural Chemistry	1040-0400 (Print) 1572-9001 (Online)	Volume 24, Issue 2	2013	United States
Adsorption desalination of chloride ions on composite natural–synthetic materials: An approach for the reduction of chlorine corrosion in electrode Ionization unitst,	Journal of Industrial and Engineering Chemistry,	1226-086X	Vol.19, No.6,	2013	South Korea
Reduction of Chlorine Corrosion In Ultra- Pure Water Production System Including An Electrodeionizati on	Journal Of University Of Chemical Technology and Metallurgy	7978-1314	46, 2	2011	Bulgaria

Books

Book Title	Publisher	Country	Edition	Year

Conference

Scope	Name	Organizer	Date	Country	Participation (attendance – participate)	Peer-Reviewed (Yes /No)
Science	The 18th Conference of chemical Society	The Hashemite University and JCS	2023	Jordan	attendance	yes
Science	ICPCPI	Isra University	2022	Jordan	Organizing Committee	yes
Science	10 th Confere nce of scientifi c research		2021	Jordan	attendance	yes
Education	the Virtual Higher Educati on Reform Week	ERASMUS	7/6/2021	Virtual	Attendance	yes

Digital Learning	Qatar Digital Learning Summit	IBEFForum	2-3/June/2021	Qatar (Virtual)	Attendance	yes
Science	virtual "Phi's Research and Innovation Summit	Phi science Institute	July 3 - 4, 2020	Jordan	attendance	yes
Chemistry	ICCEC-01 e-Conference	Khawater training center	12-14, June, 2020	Jordan	attendance	yes
Science	9 th Conference of scientific research		2019	Jordan	attendance	yes
Chemistry	Chemical Jordan VIII Conference	JCS	2009	Jordan	Participate (Poster)	yes

Chemistry	Chemical Jordan VII Conference	JCS	2008	Jordan	Participate (poster)	yes
Chemistry	Petra International Conference of	JCS	2007	Jordan	attendance	yes

Research Interests

Physical chemistry, Surface chemistry, analytical chemistry, environmental chemistry, Water treatment, desalination, Material science.

Professional Memberships

- Member in Jordanian Chemical Society
- Member in American Chemical Society
- Member in IFAD Platform

Languages

Arabic

English

Postgraduate Supervision

Title	supervisee

Honors/Awards