

CURRICULUM VITAE

PERSONAL DATA

Name	Ashraf Mansour Hussein Al-Msiedeen
Nationality	Jordanian
Position	Associate Professor
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EDUCATION

Year	Academic Degree	Institution
2013	Doctor of Philosophy	University of Jordan, Amman
2006	Master	Mutah University
2004	Bachelor	Mutah University

WORK EXPERIENCE

Period	Position	Address
Aug. 2025 - Until the present	Associate Professor	Imam Mohammad Ibn Saud Islamic University (IMSIU) Saudi Arabia, Riyadh.
Jan. 2024 - Aug. 2025	Associate Professor	Tafila Technical University (TTU), Jordan, Tafila.
Fab. 2017 - Jan. 2024	Assistant Professor	Tafila Technical University (TTU), Jordan, Tafila.
Sep. 2015 - Feb. 2017	lecturer	Tafila Technical University (TTU), Jordan, Tafila.
Aug. 2014 - Aug. 2015	Assistant Professor	Northern Border University, Saudi Arabia, Arar.
Aug 2004 – Aug 2014.	Lecturer	Ministry of Education, Amman, Jordan.

RESEARCH INTERESTS

Physical chemistry

PUBLICATIONS

1. Abualreish, M. J. A., M. **Al-Msiedeen** Ashraf. "Spectrophotometric determination of the stability constant of vanadium(v)-p-chloro-N-phenyl-p-chlorobenzo- hydroxamic acid complex. " *International Journal of Advanced Chemistry*. 2 (2) (2014) 162-165.
2. Abualreish, M. J. A., M. **Al-Msiedeen** Ashraf, and B. El-eswed. "Molecular structure of divalent copper ion-humic acid complexes." *Research Journal of Chemistry and Environment*. Vol 20 (2016): 8.
3. **Al-Msiedeen**, A. M., Al-Mazaideh, G. M., & Khalil, S. M. (2016). A theoretical study of the enol contents of cyclohexanone, cyclopentanone and acetone. *American Chemical Science Journal*, 13(4), 1-8.
4. Al-Mazaideh, G. M., Ababneh, T. S., Abu-Shandi, K. H., Jamhour, R. M. A. Q., Salman, H. A., **Al-Msiedeen**, A. M., & Khalil, S. M. (2016). DFT calculations of Mesembryanthemum nodiflorum compounds as corrosion inhibitors of aluminum. *Phy. Sci. Inter. J*, 12(1), 1-7.
5. Abualreish, M. J. A., & **Al-Msiedeen**, A. M. (2017). Chromatographic characterization of some components of Balanites kernel oil. *Research Journal of Chemistry and Environment Vol*, 21, 3.
6. Al-Mazaideh, G., **Al-Msiedeen**, A., Alakhras, F., Aldal'in, H., Salman, H., Al-Itiwi, Z., ... & Khalil, S. (2018). Study the effect of Substituents X on Methylenecyclopentane and 1-Methylcyclopentene System. *Jordanian Journal of Engineering and Chemical Industries (JJEI) Research Paper Vol*, 1(1).
7. **Al-Msiedeen**, A. (2022). Comparative Stability of 1-Methylcyclopropene and Methylenecyclopropane Tautomers: Ab initio and DFT Study. *Jordanian Journal of Engineering & Chemical Industries*, 5(3).
8. **Al-Msiedeen**, A. (2023). Kinetic, Thermodynamic, and Isothermal Studies on Methylene Blue Adsorption on Jordanian Desert Sand. *Russian Journal of Physical Chemistry A*, 97(13), 3126-3135.
9. Jamhouri, R. M., **Al-Msiedeena**, A., Al-Bashabsheha, M., Hania, H., & Jamhourb, M. R. Efficient application of Jordanian glass sand for the adsorptive removal of methylene blue from aqueous media. *Desalination and Water Treatment*, 303 (2023) 245–255.
10. **Al-Msiedeen AM**, Alsagarat MW, Al-Nawaiseh A, Jamhour RM. Benzene Contaminant Removal from Hydraulic Fracking Water Using Marine Macroalgae Biosorbent: Kinetic and Thermodynamic Study. *Russian Journal of Physical Chemistry A*. 2024 May 31:1-5.
11. Jamhour RM, **Al-Msiedeen AM**, Al-Sharaydeh RZ, Jamhour MR, Altweiq AM. Zn-Al layered double hydroxide nanoparticles for efficient removal of food dyes from wastewater. *Desalination and Water Treatment*. 2024 Jan 1;317:100036.
12. **Al-Msiedeen AM**. Conformational Stability of 3-aminopropionitrile: DFT and Ab initio Calculations. *Acta Chimica Slovenica*. 2024 Apr 1;71(2).
13. **Al-Msiedeen, A.M.**, Jamhour, R.M., Al-Soud, A.S., Al-Zeidaneen, F.K., Alnaanah, S.A., Alrawashdeh, A.I., Abualreish, M.J., Alawaideh, S. and Alhesan, J.S.A., 2024. Powdered Opuntia ficus-indica as an effective adsorbent for the removal of phenol and 2-nitrophenol from wastewater: experimental and

theoretical studies. *Desalination and Water Treatment*, p.100859.

14. Jamhour, R., & **Al-Msiedeen, A.** (2025). Potential of Cactus Cladodes as a Natural Biodegradable Composite in Wastewater Treatment for Stone-cutting Industries. *Jordan Journal of Chemistry (JJC)*, 20(Special Issue), 1-13.
15. Jamhour, R.M., **Al-Msiedeen, A.M.**, Al-Qawabaa, L.M., Al-Ewirat, A.A., Abualreish, M.J. and Alawaideh, S., 2025. Pistacia Palaestina Leaf Powder as a Sustainable Adsorbent for Antibiotic Removal: Isotherm, Kinetic, Thermodynamic, and Quantum Chemical Investigations. *ChemistrySelect*, 10(23), p.e00043.
16. **Al-Msiedeen, A.**, Jamhour, R. M., Al-Faraheed, R., Esaifan, M., Jamhour, M., & Abualreish, M. J. (2025). Removal of Eriochrome Black T (EBT) and Its Pb (II)-, Cu (II)-, and Zn (II)-Based Metal Complexes from Aqueous Solutions Using Spent Coffee Grounds: Part A–Characterization and Adsorption Isotherms. *Journal of Applied Science and Engineering*, 29(2), 245-255.