**CURRICULUM VITAE**



**PERSONAL PARTICULARS**

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| --- | --- | --- | --- |
| Full Name |  | : | Ahmed Abed ALkader Moh'D ALmobydeen |
| Date of Birth |  | : | 05th Mar. 1972 |
| Place of Birth |  | : | Madaba / Jordan |
| Sex |  | : | Male |
| Nationality |  | : | Jordanian |
| Occupation |  | : | Retired Colonel from Jordan’s armed forces |
| Permanent Address. |  | : | Amman, Jordan. |
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# ACADEMIC QUALIFICATIONS

* **Ph.D., (Chemistry) 2019**. GPA: 3.61 / 4.00 (very good), University of Jordan, Jordan.

**Title of Thesis:**

“(Green Synthesis of CuO, BaCO3, and Y2O3 Nanoparticles Using

Mediterranean Cypress Cones and their Applications in YBa2Cu3O7-Superconductor synthesis and Biochar-Based Nano Copper Oxide Composites for Arsenic Removal)”.

* **M.Sc. (Chemistry), 2006. GPA: 81.8% (very good). AL-al-Bayt university, Jordan**

**Title of Thesis:**

“Synthesis and studying of dendrimers functionalized with carbon disulfide Derivatives”.

* **B.Sc. (Chemistry), 1993**. GPA: 78.05% (very good), (first in my class). Mu’tah University, Al-Karak, Jordan.

# PROFESSIONAL EXPERIENCES

* Research Assistant for Prof. Dr. Imad (Moh’DKhair) Rashid Hamadneh in green synthesis of nanoparticles and their applications in waste removal in Material Science and Nanotechnology Lab, the university of Jordan from August 2018 to

November 2108.

* **B.Sc in military science**. Staff College /Jordan 2010, Royal command and staff college.
* **Psychological operations Diploma**, USA, 2008.

# SOCIETIES AND PUBLIC SERVICES

 Member of **Jordanian Chemical Society (JCS)**, Amman, Jordan since 2016.  Member of **American Chemical Society (ACS)**, USA since 2017.

# Relevant Skills

* Ultraviolet-Visible Absorption Spectroscopy (UV-VIS).
* Fourier Transform Infrared Spectroscopy(FTIR).
* Nuclear magnetic resonance Spectroscopy (NMR).
* Scanning electron microscopy(SEM)/transmission electron microscopy(TEM)/ Scanning transmittance electron microscopy(STEM).
* Thermal gravimetric analysis (TGA).
* Particle Size Analyzer with zeta potential.
* Powder X-ray Diffractometer (XRD).
* Surface area analysis (BET&PJH).

# TRAINING COURSES

* English language course for six months (90%, Excellent), JAF language

institute.

* Comprehensive Computer skills, JAF institute.
* International humanitarian law/ ICRC.
* Weapons of mass destruction (WMD)
* Training course Chemical Safety and Security Workshop/ Scientific writing and publishing(ACS)

# PUBLICATIONS

1. Hamadneh, I., Alhayek, H., **Al-Mobydeen, A**., Abu Jaber, A., Albuqain, R., Alsotari, S., Al-Dujaili, A.H., 2018, " Green Synthesis and Characterization of

Yttrium Oxide, Copper Oxide and Barium Carbonate Nanoparticles Using Azadirachta Indica (the Neem Tree) Fruit Aqueous Extract", *Egyptian Journal of Chemistry* ([Volume 62, Issue 4](https://journals.ekb.eg/issue_4133_5171_.html), April 2019, Page 573-581).

2. [ImadHamadneha](https://www.sciencedirect.com/science/article/pii/S0272884222001511" \l "!)**[AhmedAl-Mobydeen](https://www.sciencedirect.com/science/article/pii/S0272884222001511" \l "!)**[b](https://www.sciencedirect.com/science/article/pii/S0272884222001511" \l "!)[YousefAl-Dalahmehc](https://www.sciencedirect.com/science/article/pii/S0272884222001511" \l "!) [RulaAlbuqaind](https://www.sciencedirect.com/science/article/pii/S0272884222001511#!) [ShorouqAlsotarid](https://www.sciencedirect.com/science/article/pii/S0272884222001511#!)[Omar H.Al-Obaidie](https://www.sciencedirect.com/science/article/pii/S0272884222001511" \l "!)[BorhanAlbissf](https://www.sciencedirect.com/science/article/pii/S0272884222001511" \l "!)[Ammar H.Al-Dujailig](https://www.sciencedirect.com/science/article/pii/S0272884222001511" \l "!). 2022. “Green synthesis of a YBa2Cu3O7 ceramic superconductor using the fruit extract of Juniperus phoenicea”[*Ceramics International*](https://www.sciencedirect.com/journal/ceramics-international)*,* [Volume 48, Issue 9](https://www.sciencedirect.com/journal/ceramics-international/vol/48/issue/9), 1 May 2022, Pages 12654-12659

3. Imad Hamadneh, **Ahmed Al-Mobydeen**, Fayza Hannoon, Afnan Abu Jaber, Rula Albuqain, Shorouq Alsotari, Ammar Al-Dujiali, 2021, Arsenite adsorption on biochar-based nano copper oxide composites using Mediterranean cypress cones: equilibrium, kinetic, *Desalination and Water Treatment,* *221 (2021) 260–269 May.*

*4.* Imad Hamadneh, Rund A Abu-Zurayk, Aseel Aqel, **Ahmed Al-Mobydeen,** Lama Hamadneh, Yousef Al-Dalahmeh, Fayza Hannoon, Rula Albuqain, Shorouq Alsotari, Ammar H Al-Dujaili*. 2022, DESALINATION AND WATER TREATMENT.* Impact of H3PO4-activated carbon from pine fruit shells for paracetamol adsorption from aqueous solution. 264 (293-306).

**REFEREES**

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| Name | : | Prof. Dr. Imad (Moh’D Khair) Rashid Hamadneh. |
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| Tel. | : | (Office) 00962 6 5355000-EXT-22164 (imad72@hotmail.com |
| Name | : | Prof. Dr. Fawwaz Khalili. |
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