



## PROFILE

Accomplished pharmaceutical professional with 10+ years of successful experience in research, pharmaceutical development, and quality. Nine years of experience as a pharmacy manager and has experience in research and development for drug formulation and drug discovery. Eight years as academic lecture and more than three years in humanitarian work as health and WASH coordinators and then relation and fundraising manager and evaluation. Have a good skill in reporting and proposal writing and communication and incorporate in different technical groups and develop TOR and plan. Accurate, reliable, diligent and focused on the timely, quality completion of all lab procedures

## CONTACT

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# Wafa Mohammed Al Madhagi

## EDUCATION

- 2023 Online Workshop on Disaster Risk Reduction, Risk-informed Governance, Finance Mechanisms and Innovative Solutions for Local Resilience (UN DESA/DPIDG/United Nations Project Office on Governance (UNPOG), United Nations Institute for Training and Research (UNITAR)
- 2023 Interprofessional Education and Team-Based Care course (The Network: Towards Unity for Health (TUFH))
- 2023 Appreciative Inquiry And Resilience
- 2023 Diversifying Apprenticeship: Learners, Employers, and Sectors ( supported by OECD)
- 2023 Gender, climate change, and sustainable development
- 2023 CommuniTE Teach In Learning Series
- 2023 Food Security in Yemen Workshop In Amman
- 2022 Nexus Approach and Practice Arab Regional Capacity Development and Knowledge Sharing Event on the HDPN (18-21 July)
- 2021 Project design: The logical framework (WHO) run 1 - Oct 21
- 2021 Research methodology and research protocol development 2021, (on Sexual and Reproductive Health and Research), Geneva Foundation for Medical Education and Research
- 2021 SPWS training course
- 2021 Advocacy and fundraising training-YCU supported by Oxfam
- 2021 Justice-based approach -United edge
- 2020 Introduction to Ethics in Evidence Generation UNICEF
- 2020 HAD TRAINING; For COVID-19 Preparedness plan HAD
- 2020 WANTS training (WASH Needs Tracking System)
- 2020 Proposal writing training, report writing, fundraising- HAD
- 2020 Strategical plan training- YCC
- 2020 Good Safeguarding Practice WHO
- 2020 Strategical plan preparation training-Yemen
- 2019 Nutrition course Health Science Academy
- 2019 Project management professional (PMP)- (Putra business school, Kuala Lumpur, Malaysia)
- 2019 Volunteer induction program (MERCY, Malaysia)
- 2018 PhD at medicinal chemistry & drug discovery at UM (University of Malaya, Kuala Lumpur, Malaysia)
- 2018 Professional diploma in Training of Trainers (TOT) (IMD and TAKAMOL resources, Kuala Lumpur, Malaysia)
- 2016 Master for Executive Master Degree Sana'a University Of Public Administration (EMPA)
- 2009 Master Degree of Medicinal chemistry Sana'a University Sana'a University- pharmacy collage
- 2003-2004 B.S., Pharmacy Faculty of pharmacy Sana'a University
- 2003 English Diploma MALI MS Office application
- 2001 Computer Diploma NIIT MS Office application
- 1999 High school with 95.25% (9<sup>th</sup> first student in Yemen)

## WORK EXPERIENCE

### Research and academic experience

Academic editor in Universal Journal of Pharmaceutical Research2, 2023

Reviewer to the different manuscript to :

- Tropical Biomedicine
- scientific reports-SNAPP Manuscript-SPRING NATURE
- Evidence-Based Complementary and Alternative Medicine
- Future Journal of Pharmaceutical Sciences

Team lead and focal point for TUFH (the network toward the unity of health) 2022-2023

Head of the pharmacy department at Al Naser University 2019 till now

Formulating and documenting the module course of the quality control master student supervisors

Professional trainer at Takamol Resources Management and training from 1-2017 till 2-2019, Kuala Lumpur, Malaysia for the following subjects:

- Youth and health Empowerment
- Health Management
- Pharmaceutical Practices

Academic lecturer for undergraduate student  
(2009 – 2016)

Sana'a University

#### Achievement

- Improve the undergraduate student's knowledge and skill for drug formulation and medicinal chemistry
- Doing workshops with cooperation with another faculty

Academic lecturer for undergraduate student  
University (2009 – 2015)

Yemen Jordan

- Teaching pharmacology course
- Teaching pharmaceuticals subjects
- Supervisor for different final projects students

Academic staff

Sana'a University (2006 – 2009)

#### Achievement

- Improve the student skill of drug formulation in Lab
- Sharing with under graduate students for their final projects.

Head of Pharmacy Department Yemen Jordanian university (2010 – 2015)

Design and delivery of an innovative portfolio of taught undergraduate program in association with key partners

#### Achievements:

- A demonstrable personal reputation in the field at a high level of international excellence

- A proven track record of leadership, vision and a clear sense of direction.
- Experience of leading on strategic plans and developments.
- Experience of effectively

**Pharmacy Manager                      Katarat Pharmacy                      2009-2014**

Supervise, monitor and evaluate the quality and effectiveness of patient care provided by pharmacy staff and managing daily activities with regards to effective operations and communications.

**Achievements:**

- Increased pharmacy revenue by 24% by outreaching to local groups, nursing homes and senior centers.
- Decreased inventory by over 30% and reduced Days of Supply by 5 days by maintaining strict
- Helped promote 2 staff members to obtain their Pharmacy Technician Certification Board license and achieving the highest level of expertise as Senior Technicians.

**Deputy Head of Microbiology Department** of Pharmacare INT. company (2005 – 2006)

Analyse, monitor, identify and prevent organisms that cause infections during drug formulation. Analysing laboratory assays and resolving complex clinical and instrument problems. Train and qualify the department team in order to perform with excellence.

**Achievements:**

- Control the contamination during manufacturing
- Formulate a program for quality control and continuous follow up
- Collaboration with different pharmaceutical department for hygiene and control contamination

**Employ in research and development section** 2004-2006 Pharmacare INT. company

Preparing new formula for new drugs products, solving problems in production section, monitoring stability of drugs, Different instruments as HPLC, UV, IR – Spectroscopy, titration and Others.

**English teacher** 2002

Teaching students how to read, write and speak English in a large and successful comprehensive. Providing a classroom presence and contributing to the positive ethos of the school. Putting students first by demonstrating energy, vision and creativity

**Volunteer experience**

**Head of Women Department at Al-Hasan volunteer network (AHVN), Kuala Lumpur, Malaysia**

(Dec 2019 till now)

Director for Youth workshop about girl's health and hygiene at Sahabat school (MSRI)

(Dec-2018)

Organizer committee as public relation of Hult prize University of Malaya (Sep – Dec 2018)

Event organizer at Al-Hasan volunteer network (AHVN)

2018 till Nov 2018)

(July

Director assistance for Women Entrepreneurs, Kuala Lumpur, Malaysia

2018 till now)

(May

Volunteer at Malaysian Social research institute (MSRI) as a pharmacist at the Sahabat health centre for one day/week

2017 till Jan 2019)

(Sep

Volunteer at Malaysian Social research institute (MSRI) as one of Liberian team in the school for kids (1-5 grade) one day/week

2017 till Nov 2019)

(Feb

Founder of brother trust Yemen initiative (community volunteer initiative) and is responsible for humanitarian response (Health, education and empowerment) since 2012 till now

Team organizer and exhibitor in WUF9 (The ninth session of the world urban forum held on 7-13 February 2018 and one of team work for Yemen booth for three months before the event as Media official

Media Director in Yemeni both at University of Malaya 2016

#### **Areas of expertise include the following**

- Research assistance
- Formulation, cell culture and microbial analysis
- Pharmacist
- Academic staff

#### **Technical Skills**

- proposal writing
- coordination and data presenting
- Research and data analysis
- Computational study: Molecular Docking using Auto Dock 4 and Auto dock Vina, PASS (prediction of activity spectra for biological active compounds), Molecular dynamic, ADME/T using Discovery studio software and FAF4drug web resource.
- Cellular biology: Cell culture
- Analytical methods: spectrophotometry (FT-IR, UV, Melting point, GCMS, 1D & 2DNMR).

- Chromatography (Column, TLC, HPLC).
- Formulation ( Different dosage form formulation for small and large scale such as tablet, capsule, solution and syrups)
- Synthesis of medicinal compounds of hydrazine amino acid derivatives.

Representee is WHO Civil Society Commission: Steering Committee ([Civil Society Commission - Steering Committee \(who.int\)](#))

#### Consultancy experience

Consultant and external interviewer with program management, including (CD, CPD, sector leads, operation manager, and HR managers) to support internal final performance evaluation-BHA to IMC – March 2022

Blumen consultant health and nutrition consultant for the third monitoring project to project implemented by IMC 2022 in 3 governates and 25 health facilities

monitoring and evaluation consultant and have worked on the Endline survey for the Relief international

Team lead for the food security case study monitoring report to be submitted to the World evaluation case competition

team lead for the accreditation committee to the Pharmacy program at Al Naser University, 2022

Team Lead for Institutional Self-Assessment on their Social Accountability through ISAT 2023

#### Humanitarian experience:

ADO representative in Global advocacy group of localization 2022

ADO representative in Global protection cluster (GPC) Strategic Advisory Group 2022

ADO representative globally in:

- the cash and response-led working group, 2022 till now
- the proactive protection task force
- cash response-ledled working group
- ECW (education cant wait) southeren group

ADO representative with the following network:

- ICVA (International Council of Voluntary Agencies NGO Humanitarian Hub)
- NEAR (Network for Empowered Aid Response)
- GNDR (global network of civil society organization for diaster reduction)
- DRR (DIASTER RISK REDUCTION AND RESPONSE)
- GRRIPP (GENDER RESPONSE RESILIENCE AND INTERSECTIONALITY IN POLICY AND PRACTICE)

EvalYemen quality and business development consultant 2020-till now

Drafting the joint-statement-Yemeni-civil-society-organizations-77th-united-nations-general sep 2022

<https://www.oxfam.org/en/press-releases/joint-statement-yemeni-civil-society-organizations-77th-United-Nations-General-Assembly>

ADO representative in health SAG BETWEEN 2021-2022

ADO representative as co-chair of the accountability group for AQA technical working group

ADO representative as co-chair to the WASH in health facilities

Relation and fundraising manager starting from Aug 2020 at Abs development for woman and child

- Develop the proposal for fund applications/calls.
- Help programs to sort the challenges to cluster during the implementation.
- Sharing in the strategical team to prepare the strategical plan to the national organization forum.
- Contacting with donors and preparing to do networking with others.
- Presenting the NGO in the Cluster, technical group, or workshops.

Sharing for ADO's Advocacy in different fields

- Participate in advocacy for health during COVID-19 outbreak in different events and conference and shared case study
- Participate in advocacy in education and published case studies related that
- Participate in advocacy related to protection and deliver oral statement 81st UNHCR Standing Committee

Case study under the title (In-depth Education Needs Assessment in Hajjah governorate), published by United Nations Education, Scientific and Cultural Office (UNESCO), available in the peer-reviewed, open-access Evidence & Learning on crisis and risk-related data database for whom concerned with EIE data.

<https://inee.org/resources/depth-education-needs-assessment-hajjah-governorate>

Case study under the title (Implementing COVID-19 response initiatives in a setting with acute humanitarian needs), published in hygiene hub

(<https://hygienehub.info/en/case-studies/yemen-implementing-covid-19-response-initiatives-in-a-setting-with-acute-humanitarian-needs>)

<https://resources.hygienehub.info/en/articles/5528518-news-bulletin-27-august-2021>

Deliver oral NGO statement for 81st UNHCR Standing Committee about international protection with ICVA network July 2021

<https://www.icvanetwork.org/ngo-statements-delivered-unhcr-standing-committee>

Nominated for STRC committee for WASH committee

Participating with global WASH for a WASH case study and focus group discussion on evaluating the WASH gap

Trainer to ADO program team about proposal writing, cluster and advocacy

**Board Member of Eval Yemen for monitoring and evaluation**

**Co-chair for WASH in health facility technical working group**

**Health and WASH coordinator from May 2019 till Aug 2020 at Abs development for women and children**

- Doing a different presentation in the cluster meeting
- Coordination with the clusters for the projects
- Writing proposal
- Re-presentative for ADO in different technical group such as Health in WASH TWG as deputy for the chairman, sanitation group, gender and inclusion and MHPSS and sharing to develop tools and messages during COVID-19.
- Developing the Preparedness plan for ADO against COVID-19.

**Co-chair in WASH in health facility technical working group Active member in health and WASH**

**Review the TOR of gender network**

**Member of MHPSS TWG: Develop message of COVID-19 with MHPSS team**

**Active member in WASH capacity building group and responsible in the proposal and budget writing training**

**Active member in reproductive health**

**Member in sanitation TWG**

## **RESEARCH PUBLICATION**

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### **CRYSTAL DEPOSITION**

At the Cambridge Crystallographic Data Centre

- Deposition numbers: [CCDC 1529062](#)  
Compound Name: Peperomin A  
Formula:  $C_{18}H_{20}N_2O_2$   
Unit Cell Parameters: a 10.6818(14) b 5.1688(6) c 14.248(2) P21/c
- Deposition numbers: [CCDC 1529063](#)  
Compound Name: N, N<sup>1</sup>-diphenethyloxamide  
Formula:  $C_{22}H_{22}O_8$   
Unit Cell Parameters: a 11.3200(2) b 11.6312(2) c 14.5155(3)  
P212121

### **RESEARCH ARTICLES**

- Abdulkarim K. Y. Alzomor, Wafa M. Al-Madhagi, Moath Aljbry , Seyaf Almontser , Saeed Al-Absi, Moneef Khalid (2022). In-Vitro Bioequivalence Study For Marketed Innovator And Three Brands of Local Manufacturing Ciprofloxacin Hydrochloride Tablets In Yemen. Universal Journal of Pharmaceutical Research, 7(5), 12-17.
- Al-Madhagi, W. M., Alzomor, A. K., Zamakshshari, N. H., & Mubarak, M. A. (2022). Formulation and in-silico study of meclizine ointment as anti-eczema. In Silico Pharmacology, 10(1), 1-11.

- Case study under the title (In-depth Education Needs Assessment in Hajjah governorate), published by United Nations Education, Scientific and Cultural Office (UNESCO), available in the peer-reviewed, open-access Evidence & Learning on crisis and risk-related data database for whom concerned with EiE data.

- <https://inee.org/resources/depth-education-needs-assessment-hajjah-governorate>

- The case study under the title (Implementing COVID-19 response initiatives in a setting with acute humanitarian needs), published in hygiene hub

(<https://hygienehub.info/en/case-studies/yemen-implementing-covid-19-response-initiatives-in-a-setting-with-acute-humanitarian-needs>)

- Alzomor AK, Al-Madhagi WM, Sallam NMN, Mojamel H, Alawar MM, Al-hetari AG. Subacute Toxicity Study and Clinical Trials for Zizyphus spina-christi Leaves Extract as an Anti-dandruff Shampoo. Thai Journal of Pharmaceutical Sciences (TJPS). 2020
- O. Sharhan, T. Heidelberg, N. Mohd Hashim, W.M. Al-Madhagi, H. Mohd Ali, Benzimidazolium-acridine-based silver N-heterocyclic carbene complexes as potential anti-bacterial and anticancer drug, Inorganica Chimica Acta (2020), doi: <https://doi.org/10.1016/j.ica.2020.119462>
- Al-Madhagi, W. M., Hashim, N. M., Ali, N. A. A., Alhadi, A. A., Halim, S. N. A., and Othman, R. (2018). Chemical profiling and biological activity of Peperomia blanda (Jacq.) Kunth. PeerJ, 6, e4839 (Q2; Published).
- Al-Madhagi, W. M., Hashim, N. M., Ali, N. A. A., and Othman, R. Phytochemical screening, cytotoxic and antimicrobial activities of Yemeni Limonium socotranum (Vierh.) and Peperomia blanda (Jacq.) Kunth. Tropical Biomedicine
- Al-Madhagi, W. M., Hashim, N. M., and Othman, R. Bioassay-guided isolation on antibacterial of petroleum ether extracts of Peperomia blanda.
- Wafa Al-Madhagi\*, Ahmed Abdulbari, Zakaria Ahmed Saeed, Nahlah Mansour Noman and Khaldon Mohamed. Formulation and Evaluation of New Glimepiride Sublingual Tablets. Journal of Pharmaceutics. 2017
- Wafa Al-Madhagi\*, Ahmed Abdulbari, Zakaria Ahmed Saeed, Nahlah Mansour Noman and Khaldon Mohamed. Quality assessment for two Yemeni glimepiride brands compared to the original brand. World Journal of Pharmaceutical And Medical Research. 2016
- Wafa Al-Madhagi\*, Sabrina Ali Alraboai, Shihab Alhassani, Nahlah Mansour Noman and Khaldon Mohamed. The antioxidant activity and phytochemical screening of Yemeni *Argemone Mexicana* linn. European Journal of Biomedical and Pharmaceutical Sciences. 2016
- Wafa Al-Madhagi\*, Issa Albarai, Waem Alariqi, Maher Alammari, Nahlah Mansour Noman, Khaldon Mohamed. Extraction, formulation and evaluation of Yemeni *Argemone Mexicana* Linn as antimicrobial and wounds healing agent. European Journal of Biomedical and Pharmaceutical sciences. 2016



## CONFERENCES

- Chemical Constituents and Bioactivities Of Yemeni *Peperomia Blanda*. ICNP 2014, International conference on Natural Products 2014, 18 – 19 March 2014 Palm Garden Hotel, Putrajaya, Malaysia , [www.ukm.my/icnp2014](http://www.ukm.my/icnp2014).
- Antiproliferative And Antimicrobial Activities of Yemeni *Limonium Socotranum* and *Peperomia blanda* Var. *Leptostachya*. BSGC 2016, 21st Biological Sciences Graduate Congress 2016 , 15 & 16 December 2016 , University of Malaya, Malaysia, [www.umconference.um.edu.my/21stBSGC2016](http://www.umconference.um.edu.my/21stBSGC2016)
- Attendance at International Malaysian-French scientific conference 2017. <http://umconference.um.edu.my/imfsc2017>.
- Oral presentation on Bioassay-Guided Isolation and In Silico Study of Antibacterial Compounds from Petroleum Ether Extract of *Peperomia Blanda* (Jacq.) Kunth “International Webinar on Microbiology and Immunology” held on November 16-18, 2021

## Review experience

- Manuscript sent from Journal of Pure and Applied Microbiology
- Manuscript sent from TROPICAL BIOMEDICINE
- Manuscript sent from Evidence-Based Complementary and Alternative Medicine

## Supervision experience:

- Synthesis and study the effect of arenosulphohydrazino-amino acid derivatives, ongoing 2022
- Study the Effect of Nitroglycerin and Benzocaine Combination as Anti Hemorrhoid – ongoing 2022
- Formulation of meclizine and cephalosporin oral tablet and study their effect, ongoing 2022.
- Antibacterial effect of Cephalosporin antibiotic in combination with Meclizine and pyridoxine 2021
- Formulation and Evaluation of Meclizine Ointment as Anti-eczema, 2021
- Formulation of New Oral Dosage forms of meclizine and pyridoxine hydrochloride and study their in silico study, 2020
- Evaluate the Yemeni Glimipride product and formulate new sublingual tablet, 2015
- Study the effectiveness and the safety of herbal combination in Yemeni market as appetizer, 2010
- Determine the knowledge of health workers and pharmacist to the drug-drug interaction in Sanaa City, Yemen, 2010.
- Role of omega-3 fatty acid in regulation blood sugar, lipid profile and some electrolytes in a sample of health volunteers, 2011

## TRAINING & WORKSHOP

- Flow Cytometer Workshop On Cell Cycle Analysis PI/RNase Staining. 18<sup>th</sup> May 2017
- Western Blot Hands-On Workshop. 27<sup>th</sup> April 2017
- Application of Latex program for writing papers. 13<sup>th</sup> May 2017
- How to publish and handling problems of publishing. 5<sup>th</sup> August, 2017
- EndNote & Mendeley. 22<sup>th</sup> August 2016
- Systemic Review and Meta-analysis. 24<sup>th</sup> September 2016
- Introduction to the literature review workshop 2016
- Basic, intermediate SPSS, 2016
- PLS workshop, 2016

### **Personal Details:**

Languages: (mother tongue), English (fluent).

IT: extensive knowledge of standard office software, Photoshop, SPSS, Prism.

Efficient, organized, reliable, fast-learner, highly motivated, get the job done.