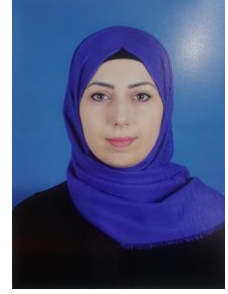


Curriculum Vitae
Of
Arwa M.Naser Nemer Mujahed



OBJECTIVE

My job is to provide full support to various organizational activities through the experience and skills, with an eye on the organization's goals and best interests.

I. Personal Data

- Date of birth: January 17
- Place of birth: Saudi Arabia
- Gender: Female
- Marital status: Married with 4 children
- Address: P.O. Box 133
Hebron
West Bank
Palestine
Mobile: +972599933311
- E-mail: arwam@ppu.edu

II. Academic Qualifications

- **Hebron University** **2010 – 2013**
MSc in Natural Resources and Their Sustainable Management, average 92.7%, thesis title is (**Genetic diversity of Palestinian grapevine "*Vitis venifera* L." cultivars using different DNA-based markers**). (with honor degree).
** Some master courses:
 - Water measurements.
 - Watershed management
 - Advanced organic farming
 - Experimental design and biostatistics.
 - Water, plant and soil analysis.
 - Advanced ecology
 - Advanced plant physiology.

- **Hebron University/Faculty of Science and Technology / Biology Department.** **2004-2008**
B.Sc. in Biology with accumulated average 90% (**with honor degree**).
- **Wedad Nasser Aldeen Secondary School / Hebron** **2004**
General Secondary Certificate Exam of Palestine, average 92, 2%.

III. Work Experience

Hebron University July/2005 -October/2005
Research Assistant in Biochemistry Lab /College of Science and Technology..

Job summary: working as a research assistant with Prof.Awni Al-Khatieb, combining and printing GENERAL CHEMISTRY II Book that bears our names.

Hebron University March/2009 -December/2009
Project manager assistant and Researcher in Epidemiology Research Lab/College of Science and Technology.

Job summary: working on toxoplasmosis project.

- Making offers and orders for companies material procurement and disposables that are necessary for the research.
- Making questionnaires on various studies.
- Analyzing the questionnaire on **SPSS** program.
- Extracting of DNA from human tissue (blood).
- Programming PCR cyler and making PCR test on the specimens, then running the product on gel electrophoresis and detect toxoplasma.
- Making ELISA reaction for the specimens and reading the results.
- Analyzing all results and managing the project budgets.

Hebron University January/2010 -April/2011
Project manager assistant and Researcher in Biotechnology Research Lab/College of Agriculture.

Job summary: working on many projects:

- ✓ Post-harvest of grape.
 - Studying the diseases during post-harvest by culturing.
 - Studying physical, chemical and morphological changes during the post-harvest by different tests.
 - Analyzing the results on **MS excel** and **sigma stat** programs.

- ✓ Post-harvest losses of cluster Tomatoes (*Lycopersicon esculentum*) Cultivated in Palestinian Territories. Financial agency: Denmark
By applying many different experiments and tests
 - Studying the diseases during the experiment by culturing.
 - Studying physical, chemical and morphological changes during the experiment by different tests.
 - Analyzing the results on **MS excel** and **sigma stat** programs.

- ✓ High Quality Solanaceous crops for consumers, processors and producers by exploration of natural biodiversity. Financial agency: EU
 - Detection of heterogeneity in tomato by crossing and PCR reaction.
 - Making digestion of certain chromosomes by cutting enzymes and illustrate the results.

- ✓ Biodiversity of Palestinian wild plants.
 - Making fingerprinting for Papilionaceae family (forbs).
 - Making fingerprinting for Graminaceae family (grasses).
 - Making fingerprinting for all types of *Vicia faba* in Palestine.
 - Making PCR using RAPD, SSR, ISSR primers and dealing with ITS sequencing.
 - Analyzing of PCR results as 0, 1 on **FAMD** and **Tree Viewer** programs to produce the dendogram (tree).

- ✓ Determination of the Nutritive Value of Several Rangeland Plants in Palestine
 - Picking rangeland plants and grinding them into a powder.
 - Analyzing the nutritive value of these plants (nitrogen, phosphorous, potassium....etc, +micronutrients).

- ✓ Water harvesting management.

Palestine Polytechnic University

September/2012-uptodate

Laboratory technician:

Job summary:

- ✓ Establishment of biology labs:
- Design the labs

- Making offers and orders for companies' material procurement and disposables that are necessary for the labs.

✓ Teaching Experience at Palestine Polytechnic University:

College of Medicine:

- General biology for Medical students and the Lab
- Medical Microbiology
- Medical Microbiology Laboratory (Lab)
- Life skills and leadership

College of applied science:

- Molecular Biodiversity
- Food Microbiology
- Plant Biotechnology and Tissue Culture
- General biology I and the Lab
- Virology
- Medical Microbiology
- Animal biology and physiology and the Lab
- Microbiology and Microbiology Lab
- Bioethics
- General biology II and the Lab
- Home garden
- Biochemistry Lab
- Molecular biology Lab
- Life skills

College of applied professions:

- Public health
- Medical records
- Pathology
- Ethics for medical professions

Continuing Education:

- Biology for cosmetics
- Extraction from medicinal plants

✓ **Trainer for the following courses:**

- Skills for life 2019
- Agriculture and garden design 2019
- Medical plants 2013
- DNA Technology for Biology teachers in schools 2015
- Antimicrobial activity of plant extracts and fungal culturing 2021

✓ **Supervision of graduation projects for Undergraduate students:**

- Israa Wazwaz, Manal Abu-shakhdam, Shaima Alqawasmeh and Nidaa Asfour. (Palestine Polytechnic University, 2022): Antimicrobial and antioxidant activity *Carthamus* species grown in Palestine.
- Bayan Zaro, Rua Wredat, Rahaf Al-Junaidi, Shaimaa Abu Rajab. (Palestine Polytechnic University, 2022): Isolation and Characterization Of Multidrug Resistant Bacteria Isolated From Poultry Farms at Hebron City.
- Atef zahdeh, Baraa Abu Shakhdam, Falak Zatari and Leen Arafeh. (Palestine Polytechnic University, 2021): Water Electrolytes and Their Association with Bacterial Antibiotic Resistance Development in Tap Water.
- Aya Abu Arqoub, Baraa Hrenat, Duaa Abu Hadeed, and Lana Tell. (Palestine Polytechnic University, 2021): Antimicrobial Activity of *Matricaria chamomilla* Extracts.
- Hadeel Jrewe, Rawand Asha and Tarteel Nofal. (Palestine Polytechnic University, 2021): Comparison Between Pathogenic Genes in *Bacillus cereus* Types.
- Anwar Qudimat and Aisha Salamin. (Palestine Polytechnic University, 2018): Analysis of Palestinian *Pinus Halepensis* Seeds, Cones and Bark Extracts.
- Banan Abu-Dbaa', Raghad Herbawi, Noor Al-Huda Rajabi. (Palestine Polytechnic University, 2018): Isolation and Microbiological Activity of Whey Protein; Field of

Application: The Formulation of Topically Applicable Cosmetic Compositions.

- Hashim Badareen, Murad Qaissieh, Tarteel Maswadeh. (Palestine Polytechnic University, 2018): Isolation, Characterization and Culture of Fresh Water Algae in Palestine.
- Wala abu-aljarayesh and Suhaila al-fakhori. (Palestine Polytechnic University, 2016): Analysis of Extracts from different parts (leaves, stem, flowers and whole plant) of Palestinian *Inula Viscosa* for their phenolic, flavonoid and lipid contents, antioxidant and antibacterial activity .

IV. Publication

- ❖ **Mujahed, A.**, and Basheer-Salimia, R. 2023. Molecular assessment of white-fruit-color grapevine cultivars (*Vitis vinifera* L.) based on combination of RAPD and ISSR Markers. (In process)
- ❖ **Mujahed, A.**, and Basheer-Salimia, R. 2019. Molecular analysis of genetic diversity among different grape accessions using DNA markers. *Journal of Biotech Research*, Vol.10: 190-198 (ISSN: 1944-3285).
- ❖ Basheer-Salimia, R. and **Mujahed, A.**, 2019. Genetic diversity of grapevine (*Vitis vinifera* L.) as revealed by ISSR markers. *Journal of Plant Biotechnology*, Vol. 46.1.001 (ISSN: 2384-1397).
- ❖ Salim, H., Rimawi, W., Shaheen, S. and **Mujahed, A.** 2019. Phytochemical Analysis and Antibacterial Activity of Extracts from Palestinian Aleppo Pine Seeds, Bark and Cones. *Asian Journal of Chemistry*; Vol. 31, No. 1, pp.143-147.
- ❖ Salim, H., Rimawi, W., and **Mujahed, A.** 2017. Analysis of Extracts From Palestinian *Inula Viscosa* for Their Phenolic, Flavonoid and Lipid Contents, Antioxidant and Antibacterial Activity. *Journal of Chemistry and Biochemistry*, Vol. 5, No. 1, pp. 12-23(ISSN 2374-2712 (Print) 2374-2720 (Online)).

V. Conferences

- Oral presentation at The 12th international conference on Current, Recent and Advanced Research on Environmental and Natural Conservation at Hurghada/ Egypt, Isolation and Characterization of Multidrug resistant Bacteria From selected Poultry Farms in Hebron City/Palestine. 13-22/10/2023
- Oral presentation at The 12th International conference on Current, Recent and Advanced Research on Engineering, Science and Technology at Hurghada/ Egypt, Detection of Escherichia coli in water using capacitance biosensor. 13-22/10/2023
- Poster presentation at The 18th Jordanian Chemistry Conference & Exhibition " JCC18" at Hashemite University/Jordan, Association between Water Electrolytes and Bacterial Antibiotic Resistance Development in Drinking Water. Won a prize of the best poster at this conference. 12-13/9/2023
- Oral and poster presentation at the Climate Crisis and its Coping Strategies Conference -International Conference of Al-Qasemi Academic College 2023, Genetic fingerprinting and Antimicrobial Activity of *Carthamus tenuis* Grown in Palestine. 12-15/3/ 2023
- Oral presentation in the Second global conference on biodiversity and human diversity, Antimicrobial Activity and Genetic fingerprinting of *Carthamus tenuis* Grown in Palestine. Won the best presentation prize at this conference 19-20 /10/ 2022
- Oral presentation in the Annual conference of the Palestinian Society for Biological Sciences, Association between water electrolytes and bacterial antibiotic resistance development in drinking water. 4-5 /9/ 2021
- Oral presentation in Online seminar held by Environmental Quality Authority, The environmental role of youth in confronting the Corona virus. 22/May/2020
- Poster presentation in the Ninth Palestinian International Chemistry Conference , Phytochemical analysis and antibacterial activity of extracts from Palestinian Alepo Pine seeds ,Bark and Cones. 2/Nov/2019

- Poster presentation in the Undergraduate research conference in Palestine, Isolation and Microbiological Activity of Whey Protein; Field of Application The Formulation of Topically Applicable Cosmetic Compositions
23/April/2019
- Oral presentation in the Symposium on Simulation-Based Sciences and Engineering. Isolation and Microbiological Activity of Whey Protein; Field of Application: The Formulation of Topically Applicable Cosmetic Compositions.
7-9/March/2019
- Poster presentation in The Third National Forum for the System of Innovation and Entrepreneurship at start-up/ projects ready to invest companies section: Whey-based Cosmeceutical.
6-8/October/2018
- Poster presentation in the Second Palestinian International Graduate Conference on Natural, Medical and Health Sciences and Humanities (SPIGCNMHSH 2017) . 20/April /2017
- Oral presentation in the Sharing Our Experiences Conference/ Center for Excellence in Teaching and Learning/ Palestine Polytechnic University: Microbiology Lab Course; From Laboratory to Community by Using CBL Approach. 29/5/2016
- Oral presentation in the Palestinian Conference on Graduate Student Research in Natural and Applied Sciences at Birzeit University. 22/March/2014

VI. Participate in building of the following undergraduate programs:

- Applied Biology Program 2013
- Occupational Therapy Program 2018
- Nursing Program 2020
- Applied Biology minors 2022/2023

VII. Other Research project:

- ✓ Molecular assessment, antimicrobial activity and antioxidant activity of *Carthamus* species growing in Palestine. Funded by EUPI. 2022

- ✓ Plant-Derived Natural Products: An Interdisciplinary Investigation of their Impact on Health & Society. Funded by **Arab- German Young Academy of Science and Humanities (AGYA)**. 2021
- ✓ Assessment of the microbiological safety status of most commonly consumed food at local restaurants of Hebron/ Palestine, this was in collaboration with the **Ministry of Health/ Environmental Health Department**, Accordingly, the university signed a joint cooperation agreement with the Ministry of Health. 2016

VIII. Courses and Training:

- Soft skills TOT 2023
- Algae culturing and how to use it in Wastewater treatment and Agricultural applications. 2018
- TOT training program "Skills for Life". 2018
- Community Based Learning "CBL". 2016
- Project Based Learning "PBL". 2016
- Teaching and Learning Skills. 2013
- Leadership training course, Palestinian Boy Scouts & Girls/ Guides Association, Hebron. 2000
- First Aid, the Union of Palestinian Medical Relief Committees, Hebron. 1998

IX. Scholarships and Awards:

- Hebron University funded scholarship in **2004** to study B.Sc.
- Achieved a project scholarship /fees in **2011** to study MSc.
- Achieved a grant to start a small company inside PPU from Higher Council for Innovation & Excellence Center " HCIE" in **2018**.
- Won the best presentation prize at the Second global conference on biodiversity and human diversity, Antimicrobial Activity and Genetic fingerprinting of *Carthamus tenuis* Grown in Palestine conference. (19-20 /10/ 2022)
- Won a prize of the best poster at the 18th Jordanian Chemistry Conference & Exhibition " JCC18" at Hashemite University/Jordan, Association between Water Electrolytes and Bacterial Antibiotic Resistance Development in Drinking Water this conference. (12-13/9/2023)

X. Skills

*** Computer:**

- MS Word; MS Excel.
- Power Point
- Outlook Express; MS Outlook.
- NCBI, PubMed,

In addition to other programs that are mentioned previously in work experience (SPSS, SIGMA STAT, TREE VIEWER, FAMD).

- ✓ **Proposal writing.**
- ✓ **Communication skills**

***Languages**

- Arabic, mother tongue.
- English.

XI. Driving Certificate:

I have a clean driving license since may/2009.

XII. References:

Academic, employer, and personal references are available on request.