***Curriculum Vitae***

**Ghadeer Ibrahim Omar, Ph.D.**

Assistant Professor

Department of Biology & Biotechnology

An-Najah National University

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**Education:**

***2001-2005 Ph.D.*** The University of Jordan, Amman, Jordan, Department of Biological

Sciences. Thesis: Systematic study of the genus *Allium* (Alliaceae) in Jordan. *Supervisor*: Prof. Dawud M. Al-Eisawi.

***Issued Date: June, 19st 2006, very good (3.4/4).***

***1993-1995 MSc.*** The University of Jordan, Amman, Jordan, Department of Biological

 Sciences. Degree, January 1995, with excellence (84.9%). Thesis topic:

 Systematic analysis of the genus *Colchicum* (Liliaceae) in Jordan.

 *Supervisor*: Prof. Dawud M. Al-Eisawi.

 ***Issued Date: June, 22, 1995, Excellent (84.9%).***

***1992 B.Sc.***  The University of Jordan, Amman, Jordan, Department of Biological

 Science Degree.

 ***Issued Date: June 1992, Excellent (85.4%).***

**Scientific Interests**: **Plant taxonomy**: including classical systematic and molecular classification

 methodologies of wild plant species.

**Plant physiology**: including plant physiological characteristics and responses and

 adaptations to various environmental factors.

 **Plant anatomy:** including plant anatomical features and its correlation to the

identification of plants at different taxa levels. Moreover, using plant anatomical characters as indication for the physiological plant responses and adaptation to different environmental factors.

**Research & Teaching Experience:**

***2006-Present*  Assistant Professor**, Department of Biology & Biotechnology, An-

 Najah National University, Nablus, Palestine.

 Instructor of the following undergraduate courses:

* Ecology.
* Mycology
* Plant anatomy and physiology
* Plant Physiology.
* Plant Anatomy.
* Plant diversity.
* Vascular plants.
* Non vascular plants.

 Instructor of the following graduate courses:

* Advanced Mycology.

***2001-2004*** The University of Jordan, Amman, Jordan, Department of Biological

 Sciences. Part-time instructor.

***1999-2001*** An-Najah National University, Department of Biological Sciences.

 Full-Time instructor.

***1996-1999***  An-Najah National University, Department of Biological Sciences.

 Part­-Time instructor.

**Selected advanced courses:**

***MSc. courses:*** *The University of Jordan, Amman, Jordan, Department of Biological*

 *Sciences*

* Advanced ecology.
* Advanced plant taxonomy.
* Advanced mycology.
* Advanced plant physiology.
* Plant biotechnology.
* Advanced palynology.
* Research methodology.
* Electronic microscopic preparations.

***Ph.D. courses:*** *The University of Jordan, Amman, Jordan, Department of Biological*

 *Sciences*

* Advanced biostatistics.
* Advanced embryology.
* Advanced biodiversity.
* Advanced immunology.
* Advanced biology of algae.
* Advanced molecular biology.
* Advanced parasitology.
* Advanced plant ecology.

***Awards:***

* Honored as a Women in Science nominated to enter the Women in Science Hall of Fame. The U.S. Consulate Jerusalem has nominated me to the Women in Science Hall of Fame, and I was chosen from a big group of nominees to be awarded that distinction. The Hub in Amman produced a calendar to highlight these women, and I was the July **2012** women in science role model.
* The Best Poster Award at The 9th Palestinian International Conference in Medical Lab Sciences (**2016**).

• The Best Poster Award at The 2nd Palestinian International Graduate

 Conference on Natural, Medical and Health Sciences and Humanities (**2017**).

**Professional Service:**

***Ongoing research:***

1. Contribution to the flora of West Bank in Palestine. Wild plants in Palestine are collected, identified and classified. Providing information and data about the flora of different West Bank districts separately as to high light the plant diversity variation among different districts. These goals will be achieved through several publications are going to be submitted. Moreover, natural photographs of the different collected identified wild plants in Palestine are submitted and downloaded on the herbarium website of An-Najah National University/ Faculty of Science/ Department of Biology and Biotechnology. Additional information regarding the wild plants general taxonomical morphological features and geographical distribution in Palestine will be provided on the website.
2. Through the accurate identification of the wild plants in West Bank, ongoing detection of the antimicrobial effect of the medicinal plants in West Bank is conducted as looking forward to find out alternatives for the known consumed medicinal plants and high light on unknown medicinal plants to provide new medicinal plants resources. This research field is carried out with the help of a research team who are expert in that field.

***An-Najah National University Herbarium Supervisor:***

Construction of the Herbarium of An-Najah National University on 8/9/2011. Various wild plant species specimens were and are still collected from different localities in West Bank, Palestine. Those plant species are photographed, identified, classified and deposited in the herbarium.

***Research articles:***

1. **Ghadeer Omar**\*, Lubna Abdallah, Ali Barakat, Rami Othman, Hiba Bourinee. (**2019**). *In vitro* haemostatic efficacy of aqueous, methanol and ethanol plant extracts of three medicinal plant species in Palestine. Brazilian Journal of Biology, 80 (4).
2. **Ghadeer Omar**, Majdi Dwikat, Lubna Abdallah, Shurooq Ismaeil (2019). Effect of Ethanol Extract from Five Species of *Salvia* on the Spontaneous Contractile Activity of Isolated Rabbit Ileum. Palestinian Medical and Pharmaceutical Journal (PMPJ). 4(1): 41-47.
3. **Ghadeer Omar**\* and Suleiman AlKhalil (**2019**). Environmental Impact Study of Gishori Industrial Complex on the Plant Diversity in Tulkarm /Palestine. Jordan Journal of Biological Sciences (JJBS), 12 (4).
4. Lubna Abdallah\* and **Ghadeer Omar** (**2019**). Antibacterial effect of some wild medicinal plants in Palestine against multidrug resistant *Escherichia coli* clinical isolate. Brazilian Journal of Biological Sciences, 6 (12): 103-113.
5. **Ghadeer I. Omar\***, Maram M. Saqer and Ghaleb M. Adwan(**2019**). Phylogenetic Relationship among Some species of the Genera *Lens*, *Vicia*, *Lathyrus* and *Pisum*(Leguminosae) in Palestine. Jordan Journal of Biological Sciences (JJBS), 12 (3).
6. **Ghadeer Omar**\*, Lubna Abdallah, Ahmad Abdal Rahim, Rami Othman and Ali Barakat (**2017**). Selected Wild Plants Ethanol Extracts Bioactivity on the Coagulation Cascade. Journal of Scientific Research and Reports, 13 (6): 1-10.
7. [Dawud M. Al-Eisawi](http://www.bioone.org/doi/abs/10.3417/2015011) and [**Ghadeer I. Omar**](http://www.bioone.org/doi/abs/10.3417/2015011) (**2015**). *Allium naqabense* (Amaryllidaceae), a New Species from Jordan. Novon: A Journal for Botanical Nomenclature, 24(3):227-230.
8. Fares S., **Omar G. \***, Abd allah L. A., Al masri M. Y., Slaileh A. and Zurba Z. (**2013**). Antibacterial Activity of Selected Palestinian Wild Plant Extracts against Multidrug-Resistant Clinical Isolate of Streptococcus pneumonia. Journal of Pharmacy Research, 1 (10): 963-969.
9. **Omar G.\***, Abd allah L. A., Ismai S. and Al masri M. Y. (**2013**). Screening of Selected Medicinal Wild Plant Extracts Antibacterial Effect as Natural Alternatives. International Journal of Indigenous Medicinal Plants, 46 (2): 1299- 1304.

## *Abstracts of Invited Lectures L and Posters P*

* L **Omar, G. I\*.** Flora Survey on Some West Bank localities, Palestine. The Scientific Conference for Agricultural Research (SCAR **2012**). An-Najah National University, Nablus, Palestine. March, 25th.
* L **Omar Ghadeer**, Lubna A. Abdallah, Shurooq Ismail and Motasem Y. Almasri. Screening of antimicrobial effect of some wild plant extracts as natural alternatives. Research day for Biotechnology Application in Palestine (PPU, Hebron, March 21, **2013**).
* **P** Saleh Fares, **Ghadeer Omar\***, Lubna Abdallah, Motasem Almasri, Ahmad Slaileh and Zakaria Zurba. Antibacterial Activity of Selected Palestinian Wild Plant Extracts against Multidrug-Resistant Clinical Isolate of *Streptococcus pneumonia*. Fifth Biomedical Research Symposium. (Birzeit University, April 4, **2015**).
* **P** Majdi Dwikat, **Ghadeer Omar**, Lubna Abdallah and Shurooq Ismail. Effect of Aqueous Extracts from Five Species of Salvia on Spontaneous Contractile Activity of Isolated Rabbit Ileum. 1st National Conference on Applied Biomedical Sciences (The Arab American University, April 20, **2015**).
* **P** Rami Othman, **Ghadeer Omar\***, Lubna Abdallah, Ali Barakat, Hiba Bourinee and Ahmad Abdal Rahim*. In vitro* Haemostatic efficacy of Aqueous, Methanol and Ethanol Plant Extracts of Three Medicinal Plant Species in Palestine. The 9th Palestinian International Conference in Medical Lab Sciences (Ramallah, August 26-28, **2016**).
* L **Omar, G. I \*,** M.M. Saqer and G.M. Adwan. Phylogenetic Relationship[ among closely related Species of the Genera Lens, Vicia, Lathyrus and Pisum (Leguminosae) in Palestine (**2016**). Scientific Conference on "Palestinian Plant Genetic Resources". Palestine Technical University-Kadoorie Campus. September 21st.
* L **Ghadeer Omar** and Lubna Abdallah. Wild Plants Extracts Bioactivity on the Coagulation Cascade. 6th Scientific Conference for Palestinian Medical Laboratory Association. (Palestine Technical University – Kadoorie, Tulkarm, October, 6, **2017**).
* **P** Lubna Abdallah, **Ghadeer Omar**. Antibacterial Effect of Some Wild Medicinal Plants in Palestine Against Multidrug Resistant *Escherichia. coli* Clinical Isolate. The 8th Palestinian Forum for Medical Research (PFMR). (Birzeit University, April, 13, **2019**).

***Attended Conferences***

* **Omar, G. I.** Flora Survey on Some West Bank localities, Palestine. The Scientific Conference for Agricultural Research (SCAR **2012**). An-Najah National University, Nablus, Palestine. March, 25th.

## The first International Palestinian Conference on Nanotechnology for advanced Material and Devices. Faculty of Science/An-Najah National University 26-28, March, 2012).

## The third conference on Biotechnology Research ansd Application in Palestine. Al-Quds University. October 20th , 2012.

## Palestinian Conference of Health Sciences (Al-Quds University, Abu-Dis/Jerusalem, November, 16, 2013).

## International Conference for Learning and Teaching in the Digital World (An-Najah University, Nablus, March, 30, 2014).

## Infection Prevention and Control Conference (Grand Bark Hotel/Ramallah, May, 29, 2014).

## Community Based- Learning Conference (An-Najah University, Nablus, May, 30- June, 1, 2014).

## New Trends in Education at An-Najah National University: The Art of the Possible. (An-Najah University, Nablus, August, 11, 2015).

## The 2nd Palestinian International Conference on Material Science and Nanotechnology. (An-Najah University, Nablus, March, 23-24, 2016).

## The 5th Conference on New Trends in Higher Education. (An-Najah University, Nablus, July, 26, 2016).

## The 2nd International Conference for Learning and Teaching in the Digital World. (An-Najah University, Nablus, March, 29, 2017).

* The 9 th Palestenian International Conference in Medical Lab Sciences. 25-27/8/**2016**.
* The 6th Scientific Conference for Palestine Medical Laboratory Association. 6/10/**2017**.
* The 6th Annual Symposium on Education and New Learning Methodologies

(Efficient Ecosystems for Industry-Based Learning Models). An-Najah National University 8/9/**2018**.

* Symposium on “Simulation – based Sciences and Engineering”. (Ramallah, March, 7-9, **2019**).
* The 8th Palestinian Forum for Medical Research (PFMR). (Birzeit University, April, 13, **2019**).

***Manuscript reviewer:*** *(journals reviewed, and the year):*

* Jordan Journal of Biological Science (JJBS), May 8, **2019**.
* Jordan Journal of Biological Science (JJBS), February 8, **2019**.
* An-Najah National University Journal (Natural Sciences). Nablus.

Palestine, **2011**.

* *Biodiversity and Environmental Sciences Studies Series* (ISSN1818-

3751).The official journal of the Biodiversity and Environmental

Research Center, BERC, Til, Nablus, Palestine, **2010**.

***Graduate thesis supervision:***

1. Master thesis, **2017**, In vitro anticoagulation effect analysis of different extract types of Calotropis procera (Asclepiadaceae) in West Bank/ Palestine. Faculty of Graduate Studies, An-Najah National University, Nablus, Palestine.
2. Master thesis, **2017**, Molecular Phylogenetic Relationship among Closely Related Species of the Clover genus (*Trifolium* – Leguminosae ) in Palestine / West bank. Faculty of Graduate Studies, An-Najah National University, Nablus, Palestine.
3. Master thesis, **2014**, Phylogenetic Relationship among Closely Related Species of the Genera *Lens*, *Vicia*, *Lathyrus* and *Pisum* (Leguminosae) in Palestine. Faculty of Graduate Studies, An-Najah National University, Nablus, Palestine.
4. Master thesis, **2014**, Systemic revision of the genus *Salvia* (Labiatae) in Palestine. Faculty of Graduate Studies, An-Najah National University, Nablus, Palestine.
5. Master thesis, **2008**, "Diversity and Systematic study of Wild Medicinal *Allium* Species in Some Regions of West Bank". Deanship of Graduate Studies, Al-QUDS University.

***Graduate thesis examiner:***

1. Master thesis, **2018**, " Biochemical and Molecular Evaluation of the Plant *Ecballium elaterium* Extract Effects on *Escherichia coli*". Faculty of graduate studies, An-Najah National University, Nablus, Palestine.
2. Master thesis, **2013**, " Epidemiology of Dermatophyte Infections in Palestine: an update Study". Faculty of graduate studies, An-Najah National University, Nablus, Palestine.
3. Master thesis, **2010**, "An ethnobotanical Study of Wild edible plants in the Northern West Bank 'Palestine". Faculty of graduate studies, An-Najah National University, Nablus, Palestine.
4. Master thesis, **2008**, "Synergetic effect of plant extracts and antibiotics on *staphylococcus auereus* strains isolated from clinical specimens". Faculty of graduate studies, An-Najah National University, Nablus, Palestine.
5. Master thesis, **2007**, "Flora and Vegetation Analysis of Jericho Area". Deanship of Graduate Studies, Al-QUDS University.

***Activities:***

* Participation in the 6th science exhibition at An-Najah National University (April, 14-16, **2009**).
* Member of the committee of the 7th science exhibition at An-Najah National University (April, 20-23, **2011**).
* Completion of an electronic course design within the quality standards approved in the e-learning center for the second semester (**2012/2013**).
* Participation in the International Visitor Leadership Program on Science and Technology in the U.S. with a certification from United States Department of State Bureau of Educational and Cultural Affairs (April 8-26**, 2013**).
* Participation and attendance in DEBPAL2 project. Presentation of the Guidelines for national strategies and programs for the conservation and sustainable use of bi9ological diversity in Palestine (19/5/**2013**).
* Member of the Quality and Quality Committee (24/4/**2014** – **till now**).
* Member of the Steering Committee (24/10/**2014** – **till now**).
* Member of the committee of the 8th science exhibition at An-Najah National University (April, 21-23**, 2015**).
* Member of An-National university team partner who are participating in Studying the effect of Goshieri Factories in Tulkarem on different biological parameters, as my contribution was on studying the effect of the pollution of those factories on the plant diversity, and a final report was written and submitted for the final evaluation by the ministry of environment (May **2015-2016**).
* Member of the Graduate Studies Committee (25/8/**2016** – **till now**).
* Committee for discussing the graduation projects (13/9/**2017**).
* Member of the Modification Committee of Master Plan (15/2/**2018** – till now)
* Coordinator of the 9th science exhibition at An-Najah National University (January, 18- April, 16-19, **2018**).
* Member of the founding body of the Palestinian Association of Biology in Palestine Academy for Science and Technology (PALAST) (**2019** – **till now**).

***Conference session chair*:**

The second conference on biotechnology research and applications in Palestine. An-Najah National University, Nablus, Palestine. September, 26-27th.

**Referees:**

Prof. Dawud M. H. Al-Eisawi. Department of Biological Sciences, Faculty of Sciences University of Jordan, Amman, 11942, JORDAN, Fax 00 962 6 53 00 253, Mobile: 00 962 777 499 544, e-mail: aleisawi@ju.edu.jo .