

Curriculum Vitae
Ghadeer Ibrahim Omar, Ph.D.
Assistant Professor
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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:

- Plant Physiology.
- Plant Anatomy.
- Plant diversity.
- Ecology.
- 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.

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. **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.

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

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:

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, 2013, "Epidemiology of Dermatophyte Infections in Palestine: an update Study". Faculty of graduate studies, An-Najah National University, Nablus, Palestine.
2. 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.
3. Master thesis, 2008, "Synergetic effect of plant extracts and antibiotics on *staphylococcus aureus* strains isolated from clinical specimens". Faculty of graduate studies, An-Najah National University, Nablus, Palestine.

4. Master thesis, 2007, "Flora and Vegetation Analysis of Jericho Area". Deanship of Graduate Studies, Al-QUDS University.

Abstracts of Invited Lectures

1. **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.
2. **Ghadeer Omar***, Lubna A. Abdallah, Shurooq Ismail and Motasem Y. Almasri. Screening of antimicrobial effect of some wild plant extracts as natural alternatives. Scientific and research day of biotechnology application and the community (2013). Palestine Polytechnic University, Hebron, Palestine. March 21st.

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 .