



Bandar Hamadneh

جامعة عجلون الوطنية  
Ajloun National University



Irbid



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+962795874596

## PROFILE

Organized and efficient educator with experience in designing and teaching undergraduate and graduate courses in Human Nutrition, fostering engaging and interactive classroom environments to enhance student learning and development.

## Personal Data

**Date of birth:** Feb 13, 1985  
**Marital status:** Married  
**Nationality:** Jordanian  
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## EDUCATION

- ❑ **PH.D** - Human Nutrition and Dietetics. The University of Jordan.2018.
- ❑ **Master** - Human Nutrition Science. Jordan University of Science & Technology.2011.
- ❑ **Bachelor** – Health Science . Jordan University of Science & Technology.2009.

## WORK EXPERIENCE

- ❑ **Assistant Professor & Head of Nutrition Department**  
Faculty of Agriculture, Department of Human Nutrition, Ajloun National University  
2024 – Present
- ❑ **Part-time Assistant Professor**  
Jordan University of Science and Technology  
2019 – 2021
- ❑ **Nutrition Courses Trainer**  
Bright Plants Academy, Irbid, Jordan  
2018 – 2020
  - Topics: Nutrition for Diabetes, Therapeutic Nutrition, Clinical Nutrition
- ❑ **Clinical Dietitian**  
Private Diabetes Consultation Center  
2018 – 2022
- ❑ **Research Assistant**  
University of Jordan, Department of Nutrition and Food Technology 2018
- ❑ **Student Laboratory Supervisor**  
University of Jordan 2018
  - Responsibilities: Training and supervising Master's students in the manufacturing of nano-food compounds (Phytosome technology)
- ❑ **Graduation Project Supervisor**
- ❑ Mentored undergraduate students on final-year research projects in human nutrition



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## SKILLS

- ☐ Project Management
- ☐ Decision Making
- ☐ Problem Solving
- ☐ Creative Design
- ☐ Innovation
- ☐ Working Under Pressure
- ☐ Teamwork

## Languages

Arabic – Native

English. – Excellent

(Speaking, Reading, and Writing)

## Publication

## PROFESSIONAL ACTIVITIES

- ☐ Supervisor of undergraduate graduation research projects in human nutrition
- ☐ Trainer in certified workshops on clinical and therapeutic nutrition
- ☐ Participant in national nutrition awareness campaigns and public health events
- ☐ Reviewer for academic research proposals and student theses
- ☐ Member of university committees related to academic quality and curriculum development
- ☐ Organizer and speaker in nutrition-focused seminars and health education sessions
- ☐ Contributor to food and nutrition policy discussions at the local level
- ☐ Collaborator with interdisciplinary teams for community-based nutrition interventions

1. Fresh Crushed Garlic Exhibits Superior Allicin and Pyruvic Acid Stability, While Fresh Sliced Garlic Leads in Phenolic and Antioxidant Content  
NALR Taha Rababah, Muhammad Al-U'datt, Malak Angor, Ahmad Alsaad, Bandar Hamadneh ...*Applied Food Research* 2025 (Scopus Q1).
2. Does Food Habits and Malnutrition Affect Health Perception Among Diabetic Patients? A Mediation and Moderation Analysis  
S Habib, NN Hamadneh, A Hasan, ASM Almamy, BN Hamadneh  
*Healthcare* 13(10), 1093.2025 Scopus Q1
3. Assessing Dietary Knowledge of Adults with Type 2 Diabetes Mellitus in Different Rural Regions of Irbid. Northwestern Jordan.  
Bandar N. Hamadneh, Mohammed R. Alzoubi, Ebrahim S. Al-Taha'at  
<https://www.xisdxjsu.asia/viewarticle.php?aid=3708.2025> (scopus Q2)
4. Synergistic approach: Optimizing probiotic viability in ice cream through prebiotic based encapsulation and betalain fortification  
M Hussain, T Rababah, H Izhar, M Azam, A Almajwal, N AL-Rayyan, ...  
*AIMS Agriculture and Food* 10(2), 293-313 2025 (Scopus Q1)



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## Continue Publication

5. Enhancing the functional qualities of soy flour cookies through solid-state fermentation with *Streptococcus thermophiles*. M Hussain, T Rababah, H Izhar, M Azam, A Almajwal, N AL-Rayyan, ...AIMS Agriculture and Food 10(2), 293-313 2025 (Scopus Q1)
6. Artificial neural networks for prediction of covid-19 in Saudi Arabia  
NN Hamadneh, WA Khan, W Ashraf, SH Atawneh, I Khan, BN Hamadneh  
*Comput. Mater. Contin* 66, 2787-2796 2021 (Scopus Q1)
7. Novel Bitter Melon (*Momordica charantia* L.) and Olive Leaves (*Olea europaea* L.) Phytosomes: Preparation and Its Evaluation for Anti-Hyperglycemic Activities by Oral Glucose ...B Hamadneh, AL Hayder, M Haddadin  
*International Journal of Applied and Natural Sciences (IJANS)* 7, 31-40 2018.

## Under final review

1. Therapeutic Potential of Artichoke Phytosome (*Cynara cardunculus* L.) leaves on Diabetic Serum Biomarkers in Induced Type 2 Diabetic Rats
2. Preparation and validation of a Home-Made High-Fat Diet and Streptozotocin Injection for diabetic research



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## TEACHING EXPERIENCE

### Research Interests

1. Functional Foods and Nutraceuticals
2. Food Fermentation and Biotechnology
3. Phytosome Technology
4. Clinical and Experimental Nutrition

- ✓ Basics of Nutrition Science
- ✓ Basics of Food Science
- ✓ Meal Planning
- ✓ Biostatistics
- ✓ Nutritional Status Assessment
- ✓ Nutrition During the Life Cycle
- ✓ Nutrition Therapy

### Conferences, forums and workshops:

1. Attendance of the fourth Arab Conference for Nutrition (Jordan University) April 2011, Amman-Jordan.
2. Attendance of the hot topics in infection control, antimicrobials and immunization, 3-4 may 2019, Amman-Jordan.

### International Prize

Best paper certificate from international journal of applied and natural sciences in recognition of the research paper quality, originality and significance in modeling and technical flow, 2018.