

## **Amani A. Alhadid**

### **Assistant Professor of Biochemistry – Al-Zaytoonah University of Jordan**

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#### **Personal Details**

- Name: Amani Abdelrahman Jaffal Alhadid
- Date of Birth: 10 Jun 1981
- Place of Birth: Amman.
- Nationality: Jordanian.
- Marital Status: Single.
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#### **Education:**

- BSc. in Nutrition and Food Technology, Faculty of Agriculture – Dept. of Nutrition and Food Technology - University of Jordan, 1999-2003. GPA: 3.7/4.00 "Excellent".
- MSc. in Nutrition and Food Technology, Faculty of Agriculture – Dept. of Nutrition and Food Technology - University of Jordan, 2003-2006. GPA: 3.81/4.0 "Excellent". Thesis: **"Dietary and Anthropometric Evaluation of a Sample of Autistic Subjects in Jordan"**.
- PhD in Biological Sciences, Faculty of Science - Dept. of Biological Sciences - University of Jordan, 2008-2016. PhD research discipline: Clinical Biochemistry, Dissertation: **"The Role of Putative Antiglycating Agents in Inhibiting the Formation of Advanced Glycation Endproducts (AGEs)"**.
- Diploma in **Molecular Biotechnologies**: Molecular Genetics Center – Specialty Hospital – 2016.

#### **Work Experience:**

- A free-lance counselor of nutritional management for people with autism in the Autism Society of Jordan and other specialized centers and clinics: 2006 – 2013.
- A volunteer lecturer of “The Scientific Method and Research Methodology” in different academic centers: 2013-present
- Assistant professor of biochemistry – Faculty of Pharmacy – Al-Zaytoonah University of Jordan, Sep. 2016-present.

#### **Experience / Specialism:**

- Clinical dietician: counsellor and provider of dietary management procedures and tips for people with nutrition-related health problems (obesity, diabetes, autism, epilepsy,

endocrinological aberrations, and nutrient deficiency)/ Diet planning: weight- reducing diets.

- Wide experience in autism: thorough investigation and research (2004 - 2013), lecturer in the dietary management of autism, one published paper, three conference talks, and a number of summary scripts.
- Experience in diabetes therapeutics and management.
- Lecturer in "Scientific Methodology" (volunteer lecturer).
- Research, discipline of interest and 18 credit hours: Clinical Biochemistry.
- Engaged in "Intercultural, inter-faith dialogues" with people from different backgrounds.
- Had 150 hr – courses in "Jerusalem Studies". Researcher and lecturer in Jerusalem studies.

## **Skills**

- Languages:
  - English: Excellent (iBT TOEFL: 99 out of 120: 2007).
  - French: beginner.
- Computer:
  - Basic + Advanced: Windows, Microsoft office, Photoshop, Graphpad prism, Gen5, ESHA, ChemDraw.
- Driving License: Available plus a car.

## **Research skills:**

- Mammalian cell culture.
- Molecular biotechnology techniques: DNA extraction, PCR, RT- PCR, Flow cytometry, DNA Sequencing.
- Biochemical assays (solutions and solubilization, fluorometry, spectrophotometry, optical density, assay kits).
- Basic microbiological techniques (bacteria culture, Gram stain...).
- Handling of experimental animals (rats).
- Histology assays: Immunohistochemistry, H & E.

## **Attended Courses:**

- 25- hr course in Autism: Deaf Charity Center- 2005.
- 10-hr course in using ESHA (food analysing software): Agriculture Engineers Association – 2004.

- Graduate Examination Exam (GRE): training course + exam: 2006.
- 25-hr course in “Communication Skills”: 2008.
- 90- hr ICDL course – Alquds College – 2007.
- 18-hr Photoshop course - Deanship of the University of Jordan – 2011.
- 40- hr French language course – Deanship of the University of Jordan - 2001.
- Introduction to Basic Principles of Conventional and Real-Time PCR - Laboratory demonstration & training session - 2012.
- 18-hr course in "Logic" – JU student deanship - 2014.
- 10-hr course in “Statistical analysis using SPSS”: University of Jordan: 2016.
- 4 CPEUs workshop “Nutrition and Diabetes Complications” accredited by Academy of Nutrition and Dietetics – 2016.
- 4 CPEUs workshop “Weight management: Nutritional Intervention” accredited by Academy of Nutrition and Dietetics – 2017.
- 20-hr course in "Case studies in Nutrition Medical Therapy of Chronic Diseases using NCP approach" – 2017.

### **Membership:**

- The Agriculture Engineers Association.
- Society of Food and Nutrition.
- Jerusalem Cultural Forum.

### **Conferences:**

- **The Sixth Jordanian Agricultural Scientific Conference**, 9-12/4/2007, Amman-Jordan, *Speaker*: Dietary Practices and Nutritional Status and their Relation to Symptom Severity of a Group of Autistic Subjects in Jordan.
- **Autism One 2008 Conference**, 21-25/5/2008, Rosemont, Illinois, U.S.A: *Attendee*.
- **The Jordanian Conference on Nutrition**, 28-29/4/2010, Amman- Jordan, *Speaker*: Nutritional Implications in Autism Spectrum disorders.
- **The Third and Fourth International Jordanian Congress of Allergy and Immunology**, 2010 + 2012, Amman- Jordan, *Attendee*.
- **The Fourth Arabic Conference on Nutrition**, 5-7/4/2011, Amman- Jordan: *Attendee*.
- **The 4th Congress of the Jordanian Society of Endocrinology, Diabetes & Metabolism (JSED)**, May, 2013, Amman- Jordan, *Attendee*.
- Others: *Attendee*.

## **Scientific Research and Seminars:**

### **Biochemistry and Cell Biology:**

- "Regulation of Lipoprotein Lipase Enzyme": M.Sc., 2005.
- "Vitamins Involved in Haemoglobin Synthesis": M.Sc., 2005.
- "Energetic Aspects of Cancer Pathogenesis": M.Sc., 2005.
- "Nutritional Implications of Autism": review paper manuscript, 2006.
- "Dietary practices and patterns and their effect on the nutritional status and symptoms severity of a sample of autistic subjects in Jordan": study paper manuscript, 2007.
- "Genetic Diversity": Ph.D, 2009.
- "Mitochondrial Compartmentization in Energy Production": M.Sc., 2005.
- "Bioactive Constituents of Medicinal Plants": Ph.D, 2009.
- "Molecular Mechanisms of Epigenetics": Ph.D, 2011.
- "Lysozyme Amyloid Oligomers and Fibrils Induce Cellular Death via Different Apoptotic/Necrotic Pathways": Paper Discussion & Presentation, Ph.D, 2011.
- "Immunodiagnosis of cancer tumors": PhD, 2014.
- "Agonistic anti-cd40 induces thyrocyte proliferation and promotes thyroid autoimmunity by increasing cd40 expression on thyroid epithelial cells": Paper Discussion & Presentation, Ph.D, 2014.

### **Physiology:**

- "Effect of Spices on Bile Secretion and Excretion": B.Sc., 2003.
- "Effect of Egg Consumption on Blood Lipids": B.Sc., 2003.
- "The Role of Liver in the Pathogenesis of Diabetes Mellitus": M. Sc., 2004.
- "Pathophysiology of Sleep Disorders": M.Sc., 2006.
- "Higher Functions of the Nervous System: Language, Memory, Sleep-Wake Cycle and Learning": M.Sc., 2006.
- "Anatomical and Physiological Adaptations of the Camel": Ph.D, 2009.
- "Excitation- Contraction Coupling in Smooth Muscles": Ph.D, 2010.

### **Microbiology:**

- "Apparent Antifungal Activity of Several Lactic Acid Bacteria against *Penicillium discolor* is Due To Acetic Acid in the Medium": M.Sc., 2005.
- "Conjugate Vaccines": Ph.D, 2008.
- "*In Vitro* Screening of Newborns Feces for Potential Probiotic Bacteria": Ph.D, 2009.
- "Microbial Fuel Cells": Ph.D, 2009.

- “Isolation and Partial Identification of Putative *Lactobacillus sp.* from a Traditional Fermented Jordanian Food, Keshik”: Ph.D research project, 2009-2010.

## **Referees:**

### **Shtaywy Saleh Abdalh, Prof.**

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