

# CURRICULUM VITAE

## September, 2023

**Hamed Rabah Hamed Takruri, Ph. D. (Prof. in Human Nutrition)**

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**DATE OF BIRTH** : January 21, 1948.

**MARITAL STATUS** : Married

**NATIONALITY** : Jordanian

### ACADEMIC DEGREES:

1. Ph.D. in Human Nutrition, University of London, Faculty of Medicine, London School of Hygiene and Tropical Medicine, July, 1982
2. M.Sc. in Nutrition, American University of Beirut, Faculty of Agriculture, Dept. of Food Technology and Nutrition, Oct., 1973.
3. B. Sc. in Public Health, American University of Beirut, Faculty of Medical Sciences, School of Public Health, June, 1971,

### EMPLOYMENT:

1. Graduate assistant, Faculty of Agriculture, American University of Beirut. (Jan, 1972 to Oct. 1973).
2. Dietitian, University of Jordan Hospital, Amman. (Nov. 1973 to June 1974).
3. Chief Dietitian, King Hussein Medical Center, Jan. (1975 to Jan. 1977).
4. Full time Lecturer, Dept. Nutrition and Food Technology, Faculty of Agriculture, University of Jordan, Amman. (Jan. 1977 to Sept. 1978).
5. Assistant professor, Dept. Nutrition and Food Technology, Faculty of Agriculture, University of Jordan, Amman. (Oct. 1982 to Sept. 1989).
6. Associate Professor, Dept. Nutrition and Food Technology, Faculty of Agriculture, University of Jordan, Amman. (Nov. 1989 to Sept. 1991) & (Sept. 92 to Dec. 1995).
7. Chairman of Department of Nutrition and Medical Technology, Faculty of Sciences, Applied Science University, Amman Jordan, (Sept. 91 to Sept. 1992).
8. Vice Dean (and Acting Dean) of Faculty of Sciences, Applied Science university, Amman, Jordan. (Dec. 91 to Sept. 1992).
9. Acting Chairman of Department of Nutrition and Food Technology, Faculty of Agriculture, University of Jordan. (June, 1995 to Sept. 1995 and March 1996 to May 1996).
10. Professor of Human Nutrition, Since Dec. 1995.
11. Chairman of Department of Nutrition and Food Technology, Faculty of Agriculture, University of Jordan Sept 1996 to Sept 2000.
12. Chairman of Department of Food and Nutrition, Faculty of Medical Sciences, The Applied Science University, Sept. 2000 - 2001 (during the sabbatical year).
13. Part Time Lecturer at the International Islamic Science University, Amman, Jordan, February, 2011-August, 2011.

14. Staff member at Petra University, Amman, Jordan Sept. 2015 - 2016 (during the sabbatical year).

#### **SHORT COURSES ATTENDED:**

1. A Course in "Use of Radioactive Isotopes" Held in London, July, 1981.
2. A Short Course in Trace Elements, Birkbeck College, London (April- June, 1981).
3. Computer use: DOS and Windows, University of Jordan. July-August 1994.
4. Administrative organization and time management, University of Jordan, January 2000.
5. Microsoft Front Page: Use and Application of Internet, University of Jordan July – August 2000.

#### **MEMBERSHIP OF COMMITTEES & SOCIETIES:**

1. The Nutrition Society (U.K.), (Since 1979).
2. The Islamic Studies and Research Association, (Since 1982).
3. The International Society for Trace Element Research in Humans, (Since 1983).
4. The Jordanian Society for Biological Sciences, (Since 1984).
5. The Jordanian Society for the Care of Diabetes, (Since 1990).
6. The Arab Nutrition Society (Member of the Foundation Committee) (Since Nov. 1994).
7. Member of various technical University and local community committees such as: curriculum, research, seminars, bulletins, standards and specifications, Health Foods (JFDA), Infant formulas (JFDA), Book authoring (Ministry of Education, and Scientific Committee (Jordan Society for the Care of Diabetic Patients).
8. Editorial board member of Jordanian Journal for Applied Sciences / Applied Science University, Amman & Arab Journal Food and Nutrition, Bahrain Center of Science Research, Manama, Bahrain.
9. Referee for evaluation of journal articles and books and promotion of university staff members in many countries ( Jordan, Syria, Bahrain, UAE, Iraq, Saudi Arabia, Oman, Kuwait, Germany, USA).

#### **TEACHING EXPERIENCE:**

I have been teaching the following courses (the number in brackets refers to the number of semesters).

- (a) Non-majors: Introductory Human Nutrition (5); Nutrition and Food Security (1); Fundamentals of Nutrition (>10), Applied Nutrition for nurses (>10).
- (b) Third and 4th year level for major: Human Nutrition (6); Diet Therapy (>10); Advanced Diet Therapy (1); Seminar (>10) Assessment of Nutritional Status(2); Clinical Nutrition (3); Malnutrition Diseases (1); Principles of Scientific Research (2); Food Hygiene (1), nutrition 2: Introductory Therapeutics (1); Fundamentals of Nutrition (1)
- (c) M.Sc. and Ph.D Level: Clinical Nutrition (3); Vitamins (>10); Minerals (>10); Graduate Seminar (3); Functional Foods (7).

**SUPERVISION & EXAMINATION COMMITTEE MEMBER FOR GRADUATE STUDENTS:**

**I am/was a supervisor or a co-supervisor in the following M.Sc. or Ph. D. student dissertations:**

1. Study of the food consumption pattern of Palestinian Camps inhabitants (April, 1990).
2. The effect of nutritional education in a sample of diabetic patients on body weight and blood sugar and lipids (March, 1991).
3. The effect of puffing on the nutritional value of proteins of wheat and chickpea and their mixtures (August, 1991).
4. Characterization of different types of honey and comparison of their effect on blood sugar in a sample of diabetic patients and a sample of healthy subjects (March, 1994).
5. A study of hemodialysis patients and the effect of nutritional extension on the nutritional status of a selected sample of them in Jordan (June, 1994).
6. Assessment of the nutritional status of a sample of pregnant women during the third trimester and its relationship with pregnancy outcome (Sept., 1993).
7. Effect of baking intensity (browning) on the protein quality of two locally produced types of ka'k (Nov., 1994).
8. Study of the nutritional value of black cumin seeds (*Nigella sativa*). (Nov., 1995).
9. Nutrition education for a group of overweight and obese adolescent girls and its effect on body weight (June, 1995).
10. Effect of the addition sodium bicarbonate on some nutritional aspects of local "mashrooh" bread (May, 1996).
11. The nutritional quality of holy thistle seeds (*Silibum marianum*). (Dec. 1996).
12. The bioavailability of iron, zinc and calcium in some foodstuffs. (Dec. 1998).
13. The nutritional quality of local types of edible mushroom. (May, 1999).
14. Study of the response of a group of Jordanian children with celiac disease to a diet based on gluten free Arabic type bread. (July, 1999).
15. A study of the effect of the consumption of locally-produced mortadella and shawarma on blood lipids and cholesterol in the rat. (July, 1999).
16. Study of the effect of using different levels of *tahinah* on the protein quality of chickpea dip ( August, 2000 )
17. Assessment of iodine status in Jordanian children three years after salt iodization. (October, 2000).
18. A study of selected metabolic responses in a group of athletes to preexercise meal containing simple and complex carbohydrates (January, 2001).
19. Effect of cooking on the protein quality of faba beans (*Vicia faba L.*) (May, 2001).
20. Effect of L-arginine oral supplementation on exercise tolerance in patients with severe chronic obstructive pulmonary disease (May, 2001).
21. Effect of smokes of two types of Jordanian cigarettes on the iron and ascorbic acid status, anemia, body weight and energy intake in guinea pigs (July, 2001).
22. Comparison of growth and protein quality of infant formulas used in infant feeding in Jordan (Jan. 2003)
23. Study of different levels of thyme (*Origanum Syriacum L.*) on iron bioavailability in the rat (Aug. 2003).
24. Study of Calcium bioavailability in a group of plant sources of Calcium in the rat (Aug. 2003).
25. Effect of soaking and fermentation of wheat bran on Lipoprotein levels in the rat (Jan. 2004).
26. Effects of adding two types of probiotics locally isolated and prebiotics to rat diet on blood lipids (May, 2004).

27. Nutraceutical Effect of Lentils (*Lens culinaris*, L.) in Fischer344 Rats with Azoxymethane-Induced Colorectal Cancer (March, 2009).
28. Vitamin D status of preschool children visiting the pediatric clinic at the Jordan University hospital (Dec., 2009).
29. Effect of lentils (*Lens culinaris*, L.) on blood glucose and lipids of streptozotocin-induced diabetes mellitus in rats (Feb., 2010).
30. Study of vitamin B12 deficiency in healthy asymptomatic volunteers in Jordan: exploration of the etiology and evaluating the size of the problem (Dec., 2010).
31. Carotenoid content of five locally consumed vegetables and their bioconversion to vitamin A as indicated by retinol accumulation in rat livers. (Dec., 2012).
32. Effect of the storage conditions on the sensory, chemical and nutritive quality of olive oil produced from olive trees irrigated with treated waste water.
33. Study of the preventive/ curative effect of date palm fruit (*Phoenix dactylifera* L.) on the 7,12-dimethylbenz( $\alpha$ )anthracene mammary cancer rat model. (Jan., 2013).
34. Development of probiotic hoummos and studying the effect of the product on blood lipids of rats. (Apr., 2012).
35. Assessment of selenium status in a group of pregnant and non-pregnant young women in Amman, aged 20-35 Years. (Jan., 2013).
36. Study on the prevalence of phenylketonuria in Jordan and assessment of follow-up efforts and the dietary management of patients with PKU. (Jan., 2013).
37. Vitamin D status of type 2 diabetes mellitus patients from Karak Governorate and the effect of vitamin D supplementation on their blood glucose levels. (May, 2013).
38. Study of chemopreventive effects of fermented and unfermented camel (*Camelus dromedarius*) milk and bovine (*Bos taurus*) milk, in Fischer 344 rats with azoxymethane-induced colorectal cancer. (Oct., 2013).
39. The influence of specific feeding practices of Jordanian mothers on the eating pattern and weight status of their children aged 4-5 years attending kindergartens in Amman. (Nov., 2013).
40. The effect of Nutrition Intervention in a Group of Bariatric Surgery Patients on the Nutritional Status of Certain Nutrients (Protein, Iron, Zinc, Vitamin B-12, Calcium and Folic acid), (April, 2015).
41. Estimation of sodium and potassium intakes using 3-day food diaries in a sample of students and employees in the university of Jordan aged ( 20-40 years). (April, 2015).
42. A study of nutritional status and the anthropometric measurements of a group of multiple sclerosis patients in Jordan, (April, 2015).
43. Assessment of the iron status in a group of Jordanian infants aged 6-12 months in Jerash Governorate (April, 2016).
44. The effect of omega - 3 supplementation during pregnancy on pregnancy outcomes, lipid profile and reduction of the risk of preeclampsia and gestational diabetes (April, 2015).
45. Study of the preventive effect of bee honey and different concentrations of RJ on the 7,12- dimethylbenz( $\alpha$ )anthracene induced breast cancer in rat model (May,2016).
46. Sodium content of different types of bread marketed in Amman and its intake by a group of young Jordanian adults (May, 2016).
47. Antioxidant capacity of honey and royal jelly and their effect on serum-lipid peroxidation in adult rats fed hypercholesterolemic diet (March, 2017).
48. Dose-Response effect of vitamin D supplementation for obese pregnant women on obesity and diabetes biomarkers, gestational weight gain, gestational diabetes and birth weight (May, 2017)
49. Antioxidant capacity of sesame butter and some related products and their effect on

- lipid profile and malondialdehyde as a marker of oxidative stress in blood serum of rats fed high cholesterol diet (April, 2018).
50. The antioxidant capacity of selected edible wild plants and its effect on lipid peroxidation and serum lipids in male adult sprague dawley rats fed high-fat diet (April, 2018).
  51. Mohammad Al Manaseer Thesis: Assessment of iron nutritional status in a group of Jordanian school children aged 6-12 years in Deir Alla District (Ongoing).
  52. Ola thesis: Food Consumption and Intakes of Energy, Macro and Micro-Nutrients in Jordan According to the Household Expenditures and Income Survey 2015.
  53. Thana thesis: Studying The Proportion of Dietary Intake from the School Canteens with the Total Daily Dietary Intake and its Association with Body Status among Adolescents aged 14-18 years in Amman
  54. Hassan Thesis: Study of Some Functional Compounds in Purslane (*Portulaca oleracea L.*) and the Effect of Feeding it to Adult Male Sprague Dawley Rats on the Lipidic Profile, Serum Glucose and Antioxidant Capacity.
  55. Dana thesis: Study of Some Functional Components of Common Rue (*Ruta chalepensis L.*) and Evaluation of its Hepatoprotective Effect, Lipid Profile and Antioxidant Capacity in Adult Male Sprague Dawley Rats
  56. Mais al-Reem Thesis: A Study on Food Acceptability and Plate Waste of a Sample of Cancer Patients who are Receiving Chemotherapy and/or Radiotherapy Treatment at King Hussein Cancer Center.
  57. Ahmad Khouri Thesis: Contribution of Fast Food Consumption to Total Fat, Trans Fat, Saturated Fat and Sodium from Total Food Intake among a Selected Sample of College Students Aged 18-25. (May, 2020)
  58. Dua'a al bourini Thesis: Studying The Dietary Habits and Life Style Factors in a Selected Sample of Jordanian Patients with Recently Diagnosed Hypertension in Amman City.
  59. Seham Dissertation: The effect of extracts of various solvents from the leaves and fruits of the Oriental strawberry (*Arbutus Andrachne L*) as antioxidants and antioxidative stress in rats .
  60. Suha Sabri Dissertation: Study of the Antioxidant Capacity of *Ziziphus jujuba* Fruits and Leaves and Their Effect on Inflammatory Biomarkers, Lipid Peroxidation and Serum Lipids in Obese Rats.
  61. Eman Saleh Thesis: Assessment of the Nutritional Status of a Selected Sample of Jordanian Children with Celiac Disease on Gluten-Free Diet.
  62. Thana' Al- Jaraeda Dissertation: Studying the Impact of COVID-19 Pandemic on Food and Nutrition Security and Dietary Habits among Syrian Women in Azarq and Zaatari Refugees Camps in Jordan (May, 2022).
  64. Duaa Jada dissertation: A Novel Nutritional/Pharmacological Regimen as an Adjuvant Cancer Therapy: Breast Cancer and Doxorubicin as a Model (August, 2023).
  65. Yazan Aqarbeh Thesis: Efficiency of Weight-Reduction Programs for a Sample of Overweight and Obese Clients Attending a Licensed Nutrition Consultation Clinic in Amman/ Jordan (May, 2023).
  66. Dana AlOmari dissertation: A Study of the Relationships among the Levels of Hepcidin, Superoxide Dismutase (SOD), Zinc, and Copper in a Sample of  $\beta$ -Thalassemia Patients in Jordan (May, 2023).
  67. Enas Abu Al- Samin: Assessment of the nutritional status of a selected sample of

students at the university of Jordan (August, 2023).

**I was a member of examination committees for other 78 graduate students.**

**RESEARCH ACTIVITIES:**

**A. COMPLETED:**

1. Effect of drying and storage on carotenes in local vegetables. (Sponsored by Deanship of Scientific Research / U. J.).
2. The nutritional value of wild plants. (Sponsored by Deanship of Scientific Research / U.J).
3. Study of the nutritional status of freekeh "parched wheat". (Sponsored by Deanship of Scientific Research / U.J.).
4. Effect of fibers on some vitamins and minerals. (Sponsored by Deanship of Scientific Research / U.J).
5. Study of the causes and treatment of bitter taste in oil extracted in modern olive processing (Sponsored by National Research Council for Agricultural Research and transfer of Technology, Ministry of Agriculture).
6. Wild edible plants in Jordan, their uses in human diet.(Sponsored by Deanship of Scientific Research / U.J).
7. Study of zinc and selenium status in children with chronic diarrhea. (Sponsored by Deanship of Scientific Research / U.J).
8. Studies on the cultivation of milk thistle (*Silybum marianum* L. Gaertn). (Sponsored by Deanship of Scientific Research / U.J).
9. Study of the bioavailability of carotenes from local food plants in Jordan. (Sponsored by the Deanship of Scientific Research at Applied Science University, Amman, Jordan)
10. Tannins content in local food plants. (Sponsored by Deanship of Scientific Research at Petra university)
11. Nutraceutical Effect of Lentils (*Lens culinaris*,L.) in Fischer344 Rats with Azoxymethane-Induced Colorectal Cancer. (Sponsored by Deanship of Scientific Research / U.J).
12. The Nutritional Status of North Badiya Women, (Sponsored by Higher Council for Science and Technology).
13. Development and Evaluation of Health Foods in Jordan. (sponsored by the Higher Council for Science and Technology).
14. Study of vitamin B12 deficiency in healthy asymptomatic volunteers in Jordan: exploration of the etiology and evaluating the size of the problem.
15. Study of the Preventive Effect of Bee Honey and Different Concentrations of RJ on the 7,12- Dimethylbenz( $\alpha$ )anthracene Induced Breast Cancer in Rat Model.( Sponsored by Shoman Foundation).
16. Study of Food Consumption Pattern in Jordan as Based on Household Expenditure & Income Survey 2010, (Sponsored by the Deanship of Scientific Research, University of Jordan) during the sabbatical year 2011-2012.
17. Strategic Review: Achieving sustainable Development Goal 2 (Zero Hunger) in Jordan by 2030 (Sponsored by WFP and Higher Council for Scientific Research,2017-2018).
18. Establishment of Food Composition Tables for Jordan (sponsored by Arab center of Nutrition in Bahrain and WHO: Ongoing).

**B. CURRENT RESEARCH ACTIVITIES:**

1. Studies on the nutritional status of some micronutrients in Jordan.
2. Dietary guides for Jordanians.

3. Establishing Food Composition Tables of Bilad AL-Sham, (Sponsored by Arab Center of Nutrition, Bahrain).
4. Study of the Effect of feeding Date Palm Fruit (*Phoenix dactylifera* L.) in a Sample of Females on their Sex Hormone Levels (Sponsored by Petra University)
5. Evaluating Glycemic Index and Protein Quality of Certain Multi-cereal Breads in the Jordanian Market. (Sponsored by Petra University).
6. The influence of daily honey consumption on insulin resistance in obese women with insulin resistance (Sponsored by Deanship of scientific Research, JU)
7. A Novel Nutritional/Pharmacological Regimen as an Adjuvant Cancer Therapy: Breast Cancer and Doxorubicin as a Model (Sponsored by Deanship of scientific Research, JU & National Center for Research and Development).

## WORKSHOPS AND CONFERENCES

1. The 3rd Meeting of Lebanese Association for Advancement of Science. Beirut, Lebanon, (Nov. 1974).
2. The VI<sup>th</sup> International Symposium on Carotenoids, Liverpool, England, (June, 1981).
3. The Nutrition Society Meeting, London, U. K., (Dec. 1981). (A paper on vitamin A/zinc interactions was presented).
4. The Health and Toxological Effects of Trace Elements, Lund, Sweden, (June, 1983). (A paper on status of Zinc and vitamin A in pregnant women in Jordan).
5. The Third Arab Conference of Biological Sciences. Amman, Jordan, (Nov. 1984). (A paper on  $\beta$ -carotene in local leafy vegetables).
6. Workshop on Nutrition in Curricula of Agricultural Education, Organized by FAO in Amman, Jordan, (Nov. 1985).
7. The British Dietetic Association International Symposium, London, U.K. (July 23-25, 1986). (A paper on obesity & fasting in Ramadan).
8. The Trace Element Symposium, Amman Jordan, (Feb, 18-20, 1989). (A paper on criteria of mineral essentiality).
9. The Symposium of the "Status of Dietetics in Arab Countries", Amman, Jordan, (Sept, 1-2, 1989). (A paper on dietetics in main hospitals in Jordan).
10. The First Jordanian Plant Protection Conference, Univ. Jordan, Amman, Jordan, (Oct. 3-5, 1989). (A paper on honey as a food and medicine).
11. The Second Jordanian Conference of Biological Sciences, Amman, Jordan, (May, 1990). (A paper on the effect of fibers on carotene absorption).
12. The Arab Conference for Development and Integration of Food Industries, Sabha, Libia, (Sept. 22-25, 1990). (A paper on oxalate, calcium and vitamin C in local wild plants).
13. The Second Symposium of the Jordanian Bee Keepers Society entitled: "Honey: A Food and Medicine" Amman, Jordan, (Oct. 30, 1990).
14. The First Conference of the Jordanian Society for the Care of Diabetes entitled: "Diabetes: Facts and Expectations" Amman, Jordan. (Sept 18, 1991). (A paper on the diabetic diet).
15. The Eastern Mediterranean Regional Office, World Health Organization Group meeting for Authoring a Textbook on Nutrition, Alexandria, Egypt, (July 7-8, 1992).
16. The Workshop on Nutrition and Chronic Diseases in the Arab Middle East, organized by UAE University, Al-Ain, UAE, April 10-12, 1994. (A paper on chronic diseases in Jordan).
17. The Preparatory Meeting for the Foundation of an Arab Nutrition Society, Al-Ain, UAE, Nov. 22-24, 1994.

18. The Workshop on Micronutrient Deficiencies in the Arab Middle East, Organized by FAO & Arab Nutrition Society, Amman, Jordan, (June 27-29, 1995). (A member of the Organizing Committee). (A review paper on vitamin A deficiency).
19. The second Jordanian Conference of Agriculture, Held in Jordanian University of Science & Technology Irbid, 29-30 April, 1997 (A paper on the effect of Inclusion of Bicarbonate in Mashrouh Bread on Protein Quality).
20. The workshop on Dietary Fiber, Nutrition and Chronic Diseases in the Arab Middle East Countries, Organized by Arab Nutrition Society and FAO in Irbid, Jordan 7-9 July, 1997. (A paper on Dietary Fiber in Jordanian Diet).
21. The workshop on Food Composition in Arab Near East Countries, organized by Arab Nutrition Society and FAO in Manama, Bahrain 14-16 June 1998. (A paper on Activities to establishing Food composition data in Jordan).
22. The workshop on Food-Based Dietary Guidelines (FBDG), Organized by Arab Nutrition Society and FAO in Amman, Jordan 16-19 November, 1998. (Submission of Jordan Country paper).
23. The workshop on Principles of Nutrition and Health Education "Organized by the Department of Nutrition and Food Technology in the University of Jordan and Arab Nutrition Society in Bahrain" held in Amman, Jordan in June 26-30, 1999. (I was a lecturer in the workshop).
24. Workshop on Nutrition and Physical Activity in the Arab Countries of the Near East, organized by FAO, LAFSN and ANSO in Cairo, Egypt. October 18-26, 1999. (Submission of Jordan Country Paper).
25. The 4<sup>th</sup> Jordanian Agriculture Conference held in Jerash Civil University in April 23-27, 2001 (Submission of a paper on the effect of using different levels of *tahinah* on the protein quality of chickpea dip).
26. The Workshop on the National Policy of Food and Nutrition in Jordan held in Amman, Jordan May, 2001, by WHO in collaboration with Jordanian Ministries of Health and Agriculture.
27. The week of Smoking Control Organized by Faculty of Paramedical Sciences in Applied Science University. Amman, Jordan. May 23-27, 2001 (Member of Organizing Committee).
28. The First Jordanian Conference on Food and Nutrition, held in the University of Jordan, Amman in 11 – 12 / 7 / 2001. (4 papers submitted with coauthors).
29. The First Arab Conference on Nutrition, held in Manamah, Bahrain, Organized by Arab Nutrition Society and Bahrain Center for Studies and Research in Sept. 25-27, 2001. (Participated by 3 papers with coauthors).
30. Workshop on Recent Advances in Dietetics I, Organized by Agricultural Engineers Association in Feb 9, 2002.(Lecturer).
31. Workshop on Recent Advances in Dietetics II, Organized by Agricultural Engineers Association in Feb 16, 2002 (Lecturer).
32. Workshop on Wild Edible and Medicinal Plants, Organized by Agricultural Engineers Association in Mar. 2, 2002.
33. The 10<sup>th</sup> Arab Conference for Arabization, Organized by Maktab Tanseekul-Ta'areeb and the Syrian Society for Culture Education and Sciences held in Damascus July 20 25, 2002. (Participated as a representative for the authoring committee of a dictionary on Food Technology Terms).
34. The 1<sup>st</sup> Arab Seminar on Obesity and Physical Activity in the Arab Countries, Organized by Arab Nutrition Society, Bahrain Center for Studies and Research and Ministry of Education in Bahrain, Manamah, Bahrain. Sept 24-26, 2002. (Participated by a paper on Obesity in Jordan).
35. The 2<sup>nd</sup> Workshop on the National Policy on Food and Nutrition in Jordan held in Jan 21-22, 2003 in Amman, by WHO in collaboration with the Ministry of Health and Ministry of Agriculture in Jordan.



36. The 3<sup>rd</sup> Workshop on Strategies of the National policy of Food and Nutrition in Jordan held in the Dead Sea in July 17-19, 2003 by WHO, Ministry of Health and Ministry of Agriculture.
37. Workshop on School Feeding in the Arab Countries Held in Cairo, 5-7 August, 2003 (Submitted the Jordan Country Paper).
38. Workshop on Medicine in The Sunnah of the Prophet (PBUH) held in Amman, 30 August, 2003 (Submitted a paper on Black Cumin in Hadith and Medicine).
39. The 10<sup>th</sup> Jordanian Pediatrics Conference and the first Jordanian Nursing and Midwifery Conference held in Amman on Oct. 7-8<sup>th</sup> 2004 (participant in a paper on the use of special bread for Celiac patients).
40. The 2<sup>nd</sup> Arab conference on Nutrition, held in Manama, Bahrain, organized by the Arab center of Nutrition and Bahrain Center for Studies and Research on December 7-9<sup>th</sup>, 2004. Submitted 2 papers: the first on "Wheat Bran" and the other on "Nutrition and Food Science in Islam".
41. Workshop on Nutrition Programs: Challenges and opportunities held in Amman 12-16 Jan. 2004 by Maram Program and Jordanian and Palestinian Ministries of Health.
42. The workshop on "Criteria for Accreditation of Nutrition and Food Science in Jordanian Universities" held in Jerash University on April 23<sup>rd</sup>, 2005 (member of organizing committee and speaker).
43. The 2<sup>nd</sup> Syrian/Egyptian Conference on Agriculture and Food, held in Homs/Syria on April 25-28<sup>th</sup>, 2005. (Submitted a paper on Edible and Medicinal Plants Used by the community of North Badia of Jordan).
44. The 5<sup>th</sup> Jordanian Conference in Agriculture, held at Balqa Applied Science University on May 9-12<sup>th</sup>, 2005 under the title "Towards a Continuing agriculture". (Speaker in one paper on "Food Habits of the Community of North Jordanian Badia" and coauthor of other 2 papers).
45. The workshop on "Preparing Diploma and M.Sc. Programs in Clinical Nutrition in Diabetology" held in the Jordan Center for Endocrinology and Diabetes. (May 14-15, 2005).
46. Regional Workshop on "Biodiversity as Food, organized by IDRC, CRDI and AUB and held at AUB on Feb. 3-5<sup>th</sup>, 2006 (submitted a paper on Use of Wild Edible Plants in Jordanian Diet).
47. The 1<sup>st</sup> Workshop on Genetically Modified Organisms, held in Amman (7-8 May, 2005).
48. Workshop on "Maintaining Nutrition in Emergency Conditions" organized by Rand, Juzoor and Columbia University Institute of Human Nutrition and University of Jordan, held in Amman on Sept. 15-18, 2006. (Participant in discussion, recommendations and paper on Nutrition Policy in Jordan).
49. The Arabian Gulf conference on Healthy Nutrition of Adolescent Children organized by Arab Nutrition Society and Bahrain Center for Studies and Research, held in Manama, Bahrain on Nov. 28-30<sup>th</sup>, 2006 (submitted a paper on Risk of Excessive Protein Intake on Adolescents Health).
50. The 6<sup>th</sup> Jordanian Conference in Agriculture, held at the University of Jordan on April 6-9<sup>th</sup>, 2007 under the Title "Safe Agriculture for Man and Environment" (Participated by submitting a paper on "Bioavailability of Calcium, Iron and Zinc in Wheat Bran" and 2 other papers submitted by coauthors).
51. The 3<sup>rd</sup> Arab Conference on Nutrition, held in Abu-Dhabi, UAE, on Dec. 4-6<sup>th</sup>, 2007 (participated by submitting a paper on "Sugar Alternatives: Pros & Cons").
52. The 3<sup>rd</sup> conference on Food Safety of Dubai Municipality. Dubai, UAE, Held in Dubai on 24-27<sup>th</sup> Feb, 2008.
53. The scientific Day for the Faculty of Paramedical Sciences/ Applied Science University in Collaboration with the Association of Agricultural Engineers in Jordan (Participated by submitting a paper on The Role of Universities in Food Control in Jordan). Held in ASU, March, 29, 2008.

54. The scientific Day of the Department of Nutrition in Petra University on April, 2008 (Participated by submitting a paper on The Nutrition Status in Jordan).
55. Workshop of the United Nations Initiative on School Health. Held in Teachers Club on 2<sup>nd</sup> Dec, 2008. Participated in a lecture on Malnutrition Diseases.
56. The 3<sup>rd</sup> Meeting on the Miraculous Nature of Quran Held in Amman, Jordan by the Association for the Care of Holy Quran (Participated in presenting a paper entitled the Miraculous Description of Food and its Relationship with the Living Body in the Holy Quran)
57. The 4<sup>th</sup> Conference on Genetically Modified Organisms, held in Amman (16-17 Nov., 2009).
58. The 4<sup>th</sup> Conference of the Jordan Society for Scientific Research held in Amman/Jordan on Nov 7, 2009.
59. The 3<sup>rd</sup> Arab Conference on Obesity and Physical Activity Held in Manama, Bahrain on Jan. 19-21, 2010. Participated in presenting a paper entitled "The effectiveness of weight reducing programs of the Health and Nutrition Clinic at the Islamic Hospital".
60. The Jordan Conference of Nutrition Held at Petra University on 28-29<sup>th</sup> April, 2010. I participated in presenting a paper entitled "The Nutrition Status in Jordan" and other two papers submitted by colleagues 1. "B12 Status in Jordan" and 2. "Iron, Zinc and selenium consumption"
61. The Scientific Day of the Faculty of Agriculture on the 13<sup>th</sup> May, 2010. I headed the scientific committee and presented a paper entitled "The Role of the Nutrition Graduate in Serving Community through the Nutrition Consultation Centers"
62. Third Conference for Postgraduate Theses Held at University of Jordan, Amman 27-29-30 November 2010. Co-author of a paper presented by Tibi, A. entitled "Effect of lentils (*Lens culinaris*, L.) on blood glucose and lipids of streptozotocin-induced diabetes mellitus in rats".
63. The First Regional Scientific Conference Entitled "Nutrition, Disabilities and Mental Health" Held at Amman Arab University, Organized in Coordination with WHO on 12-13 October 2010. Attendance and Discussion.
64. The First International Conference on Olives in Palestine, Held at Palestine Technical University, Toulkarm, Palestine on February 8-10, 2011. Participated by presenting a paper coauthored with Faris, M.I. entitled "Olive Oil as a Functional Food: Nutritive Value and Health Benefits of Olive Oil".
65. The Forth Arab Conference on Nutrition, Held at the University of Jordan in Coordination between Faculty of Agriculture and Arab Center for Nutrition, Bahrain on April 5-7, 2011. Participated with: 1) Presented a paper co-authored by Al-Kurd, R.F. and Faris, M. I. entitled "Trends of energy and macronutrient consumption and their food sources n Jordan (in Arabic). 2) A poster co-authored by Jazar, A. E, and Khouri, N. entitled "Vitamin D status in a sample of pre-school children aged from 1-6 years visiting the pediatric clinics at the university of Jordan Hospital". 3) A poster co-authored by Qutob, M., and Barghouti, F. F. entitled "Etiological Factors of True Vitamin B12 Deficiency in a Group of Young Adult Jordanians"
66. A workshop on The National Survey for Assessment of Disorders of Iodine deficiency among school children in Jordan, Held at Pristol Hotel, Amman on May 26, 2011. (Participation by attendance and discussion).
67. A workshop on Impact of Flour Fortification with Nutrients in Jordan, Held at Pristol Hotel, Amman on June 7, 2011. (Participation by attendance and discussion).
68. The conference on Nutrients in the Feeding of Diabetic Patients & Geriatric People. Organized by the department of Nutrition & Food Technology/University of Jordan

- in cooperation with Abbott company, Held in the University of Jordan, Amman on 23-24<sup>th</sup> of November, 2011. (Participation by attendance and discussion).
69. A workshop on the Strategy of Food & Nutrition in Jordan. Organized by the Ministry of Health in cooperation with World Health Organization. Held in the University of Jordan, Amman on 22<sup>nd</sup> of December, 2011. (Participation by attendance and discussion).
  70. The Annual International Conference of the Arabic Language as a Universal Language. Organized by the International council of the Arabic Language. Held in Beirut, Lebanon in the period 19<sup>th</sup>-23<sup>rd</sup> March, 2012. (Participation by presenting a paper entitled "Teaching in Arabic & Translation of the Idioms of Nutrition Sciences: Personal Experience"
  71. The Second Arab Gulf Conference on Healthy Nutrition of Adolescents. Organized by the Arab Center of Nutrition/Bahrain & the General Administration of Children & Girls Centers- The Higher Council of Family Care Affairs/Sharja, Emirates. Held in Sharja, UAE in the period 23<sup>rd</sup>-25<sup>th</sup> April, 2012. (Participation by presenting a paper entitled "The Role of Vitamin D in the Health of Children & Adolescents".
  72. The 7<sup>th</sup> Jordanian Conference in Agriculture, held at the Jordan University of Science and Technology on October 8-10<sup>th</sup>, 2012 (Participated as a coauthor of a paper on "Effect of Probiotic Hummus on Blood Lipids of Rats").
  73. Forth Conference for Postgraduate Theses Held at University of Jordan, Amman in Oct.10-11, 2012. Co-author of a paper presented by Narmeen Al-Awwad entitled "Development of Probiotic Hummus".
  74. The Conference of the Arabic Language. Organized by the Faculty of Arts/ the University of Jordan. Held in Amman in the period 16<sup>th</sup>-18<sup>th</sup> October, 2012. (Participation by attendance and discussion).
  75. The Ninth Workshop on the Use of the Arabic Language in Higher Education in the Arab World. Held in Amman/Jordan in Nov. 24-26, 2012.
  76. Workshop on salt and fat reduction; Organized by World Health Organization in Amman during the period of 10-12 September 2013, Participated by presenting a paper on " Estimated Intakes of Fats, Cholesterol, Fiber and Micronutrients Related to Cardiovascular Disease in Jordan".
  77. The scientific Day on Olives Organized by the Association of Agricultural Engineers and Held in Amman in October 6<sup>th</sup>, 2013. I presented a lecture entitled "The Nutritional and Health Benefits of Olive and its products".
  78. The 6<sup>th</sup> Conference of the Jordan Society for Scientific Research held in Amman/ Jordan on Nov 23, 2013. I attended and participated in the discussion of submitted papers.
  79. The second international Conference of olives in Palestine, held in Palestine Technical University, Tulkarm/Palestine, in the period 25-26<sup>th</sup> Nov, 2013, participated as a member of the scientific committee in the conference.
  80. The Scientific Day of Department of Nutrition at the Faculty of Paramedical Sciences/ Hashemia University, Zarka, Jordan on Nov.28<sup>th</sup>, 2013. I gave a lecture entitled " Updates of the Role of Vitamin D in Health and Nutrition".
  81. The Conference of Maternity and Pediatrics on Vitamin D and Other Micronutrients, Organized by Jordan Medical Association in Cooperation with the Ministry of Health and the University of Jordan, Held on 28<sup>th</sup>-29<sup>th</sup> of March, 2014. Attended and participated in the discussions.
  82. The conference on Food and Medicine in Light of Recent Developments: An Islamic Law Perspectives, Held in Sharja, UAE, on 16<sup>th</sup>-17<sup>th</sup> April, 2014. I participated in

- submitting an article entitled "Contamination of Food and Drug Products with prohibited foods in islam.
83. The Fifth Conference for Postgraduate Theses Held at University of Jordan, Amman in April.15-16, 2014. Co-author of 2 papers presented by the 2 postgraduate students Hiba AlSayed and Amira Amr entitled respectively: (1) the preventive/ curative effect of date palm fruit (*phoenix dactylifera* L.) on the 7,12-dimethylbenz( $\alpha$ )anthracene in mammary cancer rat model and (2) chemopreventive effects of fermented and unfermented camel (*dromedarius*) milk and bovine (*Bos taurus*) milk, in Fischer 344 rats with azoxymethane-induced colorectal cancer.
  84. The Third Halal gulf conference on the Halal industry and its survices, Held in Kuwait, on 13<sup>th</sup>-15<sup>th</sup> of may,2014. I participated by submitting a paper in the workshop accompaning it under the title "Istihala from an Islamic Law chemical and Industrial Perspectives"; The paper was entitled "Definition of Istihala and its Controls from an Industrial and Scientific Perspectives".
  85. The 9<sup>th</sup> SIOP Asia nutrition workshop held in King Hussein Cancer Center, on April 24, 2015. Participated as a leader in the workshop.
  86. Attendance of a workshop on web of science and End Note Training held at the University of Jordan Library on April 28<sup>th</sup>, 2015.
  87. A lecture for the Islamic Medicine Committee, the Medical Association/Jordan, Held in King Hussein Cancer Center (KHCC) on June 5, 2015. I submitted a lecture on "Functional Foods".
  88. The Training Workshop on Developing the School Feeding Programs, organized by the MOE, Held in Amman June 9-10, 2015. Submitted a paper on "Malnutrition Diseases".
  89. The workshop on Severely Acute Malnutrition (SAM) organized by the department of pediatrics/University of Jordan Hospital, in September, 2015. Participated in discussion.
  90. The scientific day of Agricultural Engineers Association under the title Herbal Medicine and Dietary Supplements: Facts and Imagination. Held at the Agricultural Engineering Association/Amman on 24 October, 2015. Presented a paper entitled: "The Scientific bases for the use of Herbs and supplements".
  91. Attendance of the Springer Author Workshop. Organized by Springer and the University of Jordan On November 3, 2015.
  92. The 7<sup>th</sup> Conference on Scientific research in Jordan, Held at Middle East University, Amman on November 14, 2015. Presented a paper entitled: "The Etiology, Prevalence and Management of Obesity".
  93. The 6<sup>th</sup> Saudi Conference for Food and Nutrition, held in Jeddah, KSA, on November 17-19<sup>th</sup>, 2015. I submitted 2 papers entitled: a) The Use of Traditional Foods in the Prevention of Colon and Breast Cancer. B) Nutrient Deficiencies after Bariatric Surgery: A General Review.
  94. The First Medical Conference Entitled (A Jordanian Community Free of Obesity and Co-morbidities), organized by the British universities graduates association and Regime Company, held in Amman on May 1-2, 2016. I participated in the discussion of the presented papers.
  95. The Second Health Meeting organized by Ministry of Health and Amman Municipality, held in Amman on May 16-18,2016. I presented a paper on Food Supplements.

96. The Workshop on Personal Fitness, Organized by The National Academy of Physical culture, held in Amman, February 3, 2017. I presented a paper on Nutrition and Physical Fitness.
97. The Workshop on Capacity building of Personnel in Jordan Olive Industry, Organized and funded by the Tempus Program of the European Union. Held in Amman on April 24, 2017.
98. Updates on Lipids and Health: A Seminar Held on Oct 16, 2017 by Jordan Hospital , Organized by Jordan Medical Association; I presented A Lecture on Fats and Health Dietary Recommendations.
99. The 8<sup>th</sup>. Conference of the Jordan Society for Scientific Research Which was Held in JU, Amman Jordan on Nov. 11, 2017; I was coauthor of a Paper “on Status of Iron in relation to type of Feeding in infancy” and was the Chairman of the Scientific Committee of the Nutrition Section.
100. The First Jordanian Nutrition Conference Held in Amman, Jordan on Nov. 16-18 by Events Consultants; I participated in Giving A lecture entitled and was a member of the Scientific Committee.
101. The First Scientific Day of the Jordanian Society of Clinical Nutrition and dietetics held on November 23, 2017. I Was a Chairman of a Session
102. I was a member of the team on SDG to (Zero Hunger) to put a strategy on eradicating hunger in year 2030 starting from November 30, 2017 to December 30, 2018.
103. Attending a workshop organized by WHO in Rabat / Morocco in May 7 – 9, 2018 on food composition tables.
104. I participated in the 8<sup>th</sup> agricultural scientific conference, which was held in Mutah University / Karak / Jordan in the period 15-17 of October, 2018. I am participating by giving a lecture in title “use of selected traditional food in the prevention of colon and breast cancers”. I also chaired one of the conference sessions.
105. The Second Scientific Day of the Jordanian Society of Clinical Nutrition and Dietetics held on December 1, 2018. I participated by giving a paper entitled ”Celiac Disease: Etiology and Management”and was a chairman of a session.
106. Fourth meeting of technical multi sectorial committee for the development of action plan frame work to prevent obesity, (presentation of a paper on: updates on food composition tables Oct, 28 2019.
107. The 9th Jordanian Conference for Scientific Research which was held in JU, Amman Jordan on November 11, 2019. I participated in discussions of presented papers.
108. The Third Scientific Day of the Jordanian Society of Clinical Nutrition and Dietetics held on November 17, 2019 under the title: Towards the National Project for the control of Obesity. I participated in the discussion of presented papers.
109. The third regional adolescent health conference: investing in healthier generations, held on 12 to 14 Dec. 2019, Amman – Jordan (I submitted a paper on the evaluation of nutrient intakes in school canteens among students aged 14-18 years in Amman – Jordan.
110. The Workshop on preparation of "Food- Based dietary Guidelines for Jordan" held in Amman, Jordan on February 16-17, 2020.
111. **International Growth and Development Conference**, held in Dubai on 2021 (on line). A paper presented entitled Food and Nutrient Intakes from School Canteens and Markets nearby Schools among Students Aged 14-18.

112. First Annual Pediatric Nutrition Conference, "Advances in Pediatric Nutrition and Healthy Lifestyle", Held on 7-8 September in Doha, Qatar. A paper was presented entitled " Assessment of the Nutritional Status of a Selected Sample of Jordanian Children with Celiac Disease on Gluten-Free Diet"
- 113.

## **TRAINING COURSES & CONSULTATIONS**

1. **The FAO Technical Consultation on Traditional Foods in the Near East**, Amman, Jordan, (Sept. 3-5, 1989).
2. University of Jordan, Center for Consultations and Technical Services: Participated as a senior trainer on nutrition for resident physicians, (July - Aug., 1993).
3. UNICEF: Senior trainer in "Training course in food and nutrition for the general practitioners and health workers in Jordanian MCH centers, (January, 1990 & Aug., 1993).
4. Ministry of Health:
  - a. Senior trainer in the course on food and nutrition for physicians enrolled in Family Medicine Program, Jan., 1995.
  - b. Member of "Food rather than Drug Committee" responsible for permitting imports of special and health food preparations.
  - c. Member of the "Technical Infant Food Committee", The Directory of Drugs.
5. Ministry of Education:  
Member of two committees for authoring nutrition textbook for secondary schools of the Nursing and Hotel Industry Professional Branches.
6. Attendance of a Discussion on Food Technology Terminology Lexicon Authored by Takruri *et al.* In Cairo, Majmaa' of Arabic Language in 3-5 November, 1998.
7. Consultation on Terminology of Food Science and Nutrition held in Cairo, Egypt in November 5-6, 1998.
8. FAO consultant for the preparation of the nutrition country profile for Jordan (submitted in May 2002).
9. Nutrition consultant for the Jordanian Ministry of Education / the Program of Feeding School children in unprivileged areas during the Academic year 2002/2003.
10. A training course on Nutrition in Pediatric Diseases, Held in Jordan Environment Society on 23-25<sup>th</sup> March, 2008
11. A training course on the Role of Diet in the Management of Chronic Diseases, Held in Jordan Environment Society on 19<sup>th</sup> of May, 2008.
12. A training course on Nutrition and Dietetics Organized by the Department of Nutrition on 18-19<sup>th</sup> June, 2008. (Participated by giving 2 lectures on Updates in Dietary Guides & Diet in Diseases of Inborn Errors of Metabolism).

## **BIBLIOGRAPHY**

### **A. THESES**

1. Master Thesis: The Development of a High-Protein Biscuit for School Feeding Programs. (AUB./Lebanon).
2. Ph. D. Thesis: Studies on the Effect of Zinc Deficiency on the Absorption and Utilization of B-Carotene in the Rat and Studies on Zinc and Vitamin A Status of man in Jordan. (Univ. London/United Kingdom).

## B. PUBLICATIONS

1. Takruri, H. R. and Daqqaq, R. F. 1986. The effect of drying and storage on vitamin A content of some leafy vegetables and local herbs in Jordan. *Dirasat* 13(8): 87-91 (In Arabic).
2. Takruri, H. R. and Humeid, M. A. 1988. Nitrate levels in edible wild herbs and vegetables common in Jordan. *Nutrition and Health* 6(2): 89-98.
3. Takruri, H. R. 1989. Effect of fasting in Ramadan on body weight. *Saudi Medical Journal* 10(6): 491-494.
4. Takruri, H. R. and Hamdan, M. R. 1989. Food consumption pattern in the city of Amman and Irbid district: Vitamin and mineral intakes. *Arab Emirate J. Agric.* 1(1): 1-13. (In Arabic).
5. Al-Eisawi, DM. and Takruri, H. R. 1989. A checklist of wild edible plants in Jordan. *Arab Gulf J. Scient. Res. Agric. Biol. Sci.* B7(1): 79-102.
6. Takruri, H. R., Humeid, M. A. and Umari, M. A. H. 1990 Protein quality of parched immature durum wheat (frekeh). *J. Sci. Food Agric.* 50(3): 319-327.
7. Humeid, M. A. Takruri, H. R. and Umari, A. H. (1990). Amino Acid content of durum wheat protein at different maturity levels of the grains suitable for frekeh making. *Dirasat*, 17(3): 54-61.
8. Takruri, H. R., Tukan, S. K. and Ahmad, M. N. (1990). The status of dietetics in some main hospitals in Jordan, *Jordan Med. J.* 24(1): 35-43.
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11. Takruri, H. R. (1991). Trace elements in Human Nutrition: Criteria of Essentiality. *Proc. 4th Micronutrients Workshop, 1991, Amman, Jordan, 18-22Feb., 1991.* (In Arabic).
12. Humeid, M. A. Takruri, H. R. and Daqqaq, R.F. (1992). Effect of ripening of "Nabali" olives on the yield and some chemical properties of extracted oil. *Emir. J. Agr. Sci.* 4:53-66.
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15. Takruri, H.R. (1995). The contents of oxalic acid, ascorbic acid and calcium in some wild edible plants in Jordan. *Arab Universities J. Agric. Sci.* 3 (1), 139 - 149. (In Arabic).
16. Takruri, H., Sweis, A. and Hamzeh, Y. (1995). Hemodialysis patients in Jordan: A comprehensive survey. *Dialysis and Transplantation* 24 (12): 678-681.
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18. Takruri, H. (1996). Vitamin A deficiency in man: A general review proceedings of the symposium on "Micronutrient deficiencies in the Arab Middle East countries held in Amman, Jordan 27-29 June, 1995. pp 88-99.
19. Takruri, H., Al-Kurd, R. and Humeid, M. A. (1996). The effect of puffing on the nutritive value of the proteins of wheat, chickpea and their mixtures. *Emir. J. Agric. Res.* 8: 30-40.
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### C. BOOKS AND OTHER WRITTEN MATERIAL

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## D. PATENTS AND AWARDS

1. Registration of a patent on "Debittering of Olive Oil ", by Humeid, M. A. and Takruri, H.R. Ministry of Commerce and Industry, 1995.

(تسجيل براءة اختراع باسم محمد علي حميض وحامد رباح التكروري ، بعنوان "إزالة الطعم المر من زيت الزيتون"، مسجلة في وزارة الصناعة والتجارة الأردنية في أيار 1995، عمان.

2. Award of the Best Arab Researchers in Nutrition, granted in the First Arab Nutrition Conference, Manamah, Bahrain, Sept. 25-27, 2001.

جائزة المؤتمر الأول للتغذية لأفضل الباحثين العرب في مجال التغذية (25-27 أيلول 2001).

3. The First and Third Prizes for Best Published Articles in Nutrition and Food Science awarded in Nov. 24. 2002 by the Agricultural Engineers Association in the First Scientific Competition for Food and Nutrition.

الجائزتان الأولى و الثالثة الممنوحتان في المسابقة العلمية الأولى للغذاء و التغذية من نقابة المهندسين الزراعيين في 24/11/2003.

4. Award of the Best Authored Nutrition Book for the Period 2003-2004 , Granted in the Second Arab Nutrition Conference, Manamah, Bahrain, December, 7-9, 2004.

جائزة المؤتمر العربي الثاني للتغذية (المنامة- البحرين، 7-9 كانون أول 2004) - حول أفضل كتاب مؤلف بالعربية في مجال التغذية للعامين 2003-2004، والكتاب هو: " المعجم الشامل في مصطلحات التغذية وعلوم الأغذية". (الجائزة تقديرية).

5. The Award for Distinguished Scientific Research (Financial reward) from the Deanship of Scientific Research at the University of Jordan on 25/1/2010 According to the Deans Council Decision No.2/3/1129 dated 10/9/2009.

جائزة التميز في البحث العلمي (جائزة على المستوى المحلي: مكافأة نقدية مع شهادة تقدير) من عمادة البحث العلمي في 25/1/2010 استناداً إلى كتاب رئيس الجامعة رقم 1129/3/2 تاريخ 10/9/2009.

6. The Award for Distinguished Scientific Researcher (Financial reward) from the University of Jordan on 12/6/2012.

جائزة التميز في البحث العلمي (جائزة على المستوى المحلي: مكافأة نقدية مع شهادة تقدير) من الجامعة الأردنية العلمي في 12/6/2012 .

7. The award for the best research from the Jordanian Agricultural Engineers Association in Jan 6<sup>th</sup>, 2014.



جائزة أفضل بحث مقدمه من نقابة المهندسين الزراعيين الأردنيين: مكافأة نقدية مع شهادة تقدير بتاريخ 2014/1/6

8. Al-Zarqa University Award, 2013 for the best authored book in food and medicine, December, 24, 2014.

جائزة جامعة الزرقاء 2013 لأفضل كتاب مؤلف في محور الغذاء والدواء، تاريخ 24 كانون أول، 2014

9. Philadelphia University Award of the best authored book in applied,, natural and technology sciences

جائزة جامعة فيلادلفيا لأحسن كتاب مؤلف في مجال العلوم التطبيقية والطبيعية والتكنولوجيا