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**Personal Data:**

Name: Amal Abdullah Saad Al-Hussain

Nationality: Saudi

Job Title: Associate Professor

Major Specification: Human Nutrition

Minor Specification: Proteins

**Address:**

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**Qualifications:**

- BSc. In Agricultural Sciences – King Saud University - Women Sciences and Medical Studies Sections (9-9-1986).
- Major Specification: Nutrition and Home Economic
- MSc. In Human Nutrition "Nutritional value and thermal stability of trypsin and chymotrypsin inhibitors in the protein of Al-Ban (Al-Yassar)" - King Saud University, College of Agriculture, Riyadh, Saudi Arabia. (29-6-1996).
- Major Specification: Human Nutrition
- Minor Specification: Proteins
- Ph.D. in Food Science and Nutrition – "Fractionation and Study of Chemical and Biological Characteristics of Al-Ban (Al-Yassar) Seed Proteins" - University of Girls - College of Educational College for Home Economics and Technical Education – Riyadh - Saudi Arabia. (17-5-2000).
- Major Specification: Human Nutrition
- Minor Specification: Dietary Proteins

**Employment and Administrative History:**

- Teaching Assistant: College of Food and Agricultural Science – Food Science and Nutrition Department (from 7-10-1986 to 20-6-2000)
- Assistant Professor: College of Food and Agricultural Science – Food Science and Nutrition Department (from 21-6-2000 to 17-10-2010)
- Associate Professor: College of Food and Agricultural Science – Food Science and Nutrition Department (from 18-10-2010 until now)

## Research Work:

A) Papers published or accepted for publication in academic, specialized and refereed journals:

- Al-Hussain, A.A. Effect of Soaking and Germination of Fenugreek (*Trigonella foenum-graecum* L.) Seeds: Changes in Chemical and Amino Acid Composition, Antinutrients, Protein Digestibility and Minerals Extractability. Bull. Fac. Agric., Univ. Cairo, Egypt. (2010). 61(3):263-273
- Amal Abdullah Al-Hussain. Proximate Composition, Mineral and Vitamin Content of Some Herbal Plants Grown in Saudi Arabia. Journal of Saudi Society for Agricultural Sciences, Saudi Arabia, (2010) Vol. 9 No. 1: 81-91
- Al-Hussain, Amal. Some Biological Risks in Pats as a Result of Cooking in Aluminum Utensils. J. Agric. Sci. Mansoura Univ., Egypt. (2009), 34(12):11077-11088
- Amal A.S. Al-Hussain. The Pattern Evaluation of Daily Food for Female Students. Alexandria Science Exchange Journal, Egypt, (2009) Vol. 30 No. 4 October-December: 189-196
- Amal Al-Hassain. Functional Foods and New Concepts in Children Nutrition. Journal of Egyptian Academic Society for Environmental Developments, Egypt. (2008). Vol. 9 No. 3:125-130
- Al-Hussain, A.A.S. Nutrition and Information in Arab Countries. African Journal of Biological Sciences. Egypt. (2008). Vol. 4 Nor. 3:87-98
- Al-Hussain, A.A. Influence of some nutritive compounds support intracellular defence system against gamma irradiation damage in rats. Annuals of Agricultural Sciences, Moshtohor, Egypt. (2004) Vol. 42 No. 2;507-517
- Al-Hussain, A.A. Comparative study of consuming inulin, pectin and cellulose on fecal characteristics and plasma lipid profiles in rats. Annuals of Agricultural Sciences, Moshtohor, Egypt. (2004) Vol. 42 No. 2;519-527
- Al-Hussain, A.A. and Al-Othamn, A.A. (2003). Amino acid composition of Al-Ban (*Moringa peregrine*) seed products. Bulletin of Faculty of Agriculture, Cairo University, Vol. 54 No. 3:431-446
- Al-Hussain, A.A. and Al-Othamn, A.A. (2003). Effects of antinutritional factors and toxic elements on biological evaluation of Al-Ban (*Moringa peregrine*) seed protein. Bulletin of Faculty of Agriculture, Cairo University, Bol 54, No. 1:111-126
- Al-Hussan, A.A. and Abu-Tarbous, H.M. (1997). Nutritional value and thermal stability of trypsin and chymotrypsin inhibitor in Al-Ban (Al-Yaasa) seed protein. Journal of King Saud University: Agricultural Sciences, Vol. 9 No. 2:187-208

- B) Papers submitted to academic and specialized conferences which have been refereed and published in full in the conference proceedings:
- Al-Hussain, A.A. Functional foods and new concepts in children nutrition. Published in the Proceedings of the 5th International Conference on Future Horizons of Environmental Development in Arab Countries and Facing the Challenges. From 13 to 16-4-2008. Egypt
  - Al-Hussain, A.A. Nutrition and Information in Arab World. Published in the proceeding of The 1st International conference on sustainable development of the Red Sea and Gulf of Aden. From 25 to 27-11-2007. Egypt

### **Participation in Conferences, Symposia and Other Activities:**

- The Fourth Saudi Conference of Food and Nutrition. From 10 to 12-12-2006. Held by Saudi Society for and Nutrition – Riyadh - Saudi Arabia
- Saud Alabteen Center Conference for New Issues in Child Nutrition and Health and Disease - Prince Sultan Center for Science and Technology - Al-Khubar. From 24 to 25-10-2007
- Presence and participate with a research paper in the First International Conference of the African Society for Sustainable Development of the Red Sea and Gulf of Aden,. From 25 to 27-11-2007. Egypt
- The Fourth International Conference for Development and Environmental - Saudi Society for Agricultural Sciences. From 18 to 19-3-2008. Riyadh, Saudi Arabia
- Presence and participate with a research paper in the Conference of Egyptian Academic Society for Environmental Development. From 13 to 16-4-2008, Sahrm Al-Sheikh, Egypt
- Attend a seminar activation of the Saudi Society for Food and Nutrition Council – King Saud University. 28-1-2009
- Coordinator and a member of the International Conference for the bees and beekeepers, held in the south of the kingdom – Saudi Society for Agricultural Sciences – King Saud University. 2009
- Attend the annual meeting of the society to discuss the annual agenda. Saudi Society for Food and Nutrition – King Saud University. 2009
- The Fifth Conference of Food and Nutrition "Food Technology, Control and Nutrition Health. From 9 to 11-2-2010. Held by Saudi Society for Food and Nutrition - Riyadh - Saudi Arabia

## **Committees:**

- Member, Committee of Organizing Final Examination at Medical Studies Center, King Saud University. 1986
- Reporter, Social Activities Committee at Women Sections at Almalaz, King Saud University. 1988
- Member, Research Center Committee at Sections of Sciences and Medical Studies at Almalaz, King Saud University. 1999
- Reporter, Academic Guidance Committee at College of Agriculture, King Saud University. 2000
- Member, Consultant Committee at the Administration of Sciences and Medical Studies Sections for Women, King Saud University. 2000
- Member, Building Committee at the Administration of Sciences and Medical Studies Sections for Women, King Saud University. 2000
- Member, Laboratory Committee at Nutrition and Home Economics Department, College of Agriculture, King Saud University. 2000
- Member, Activities Committee at Nutrition and Home Economics Department, College of Agriculture, King Saud University
- Member, Committee of Information, Education, and Library at Food Science and Nutrition Department, College of Food and Agricultural Science, King Saud University. 2008
- Member, Committee of Field Training at Food Science and Nutrition Department, College of Food and Agricultural Sciences, King Saud University. 2008
- Member, Committee of Plans and Student's Affairs at Food Science and Nutrition Department, College of Food and Agricultural Sciences, King Saud University. 2008
- Member, Committee of Assessment and Academic Accreditation at College of Food and Agricultural Sciences, King Saud University. 2008
- Member, Special Committee for Standardization of Education and Teaching Quality for Developmental Assessment, at Women Sections for Sciences and Medical Studies, King Saud University. The Committee affiliated to the National Commission for Academic Accreditation and Assessment. 2008
- Member, Committee of Social Service for Developmental Assessment, at Women Sections for Sciences and Medical Studies, King Saud University. The Committee affiliated to the National Commission for Academic Accreditation and Assessment. 2008
- Member, Work team to investigate the effect of photocopying centers (Student's Service) and training centers (that offer special teaching lessons) on negative or positive outcomes of the educational process for the students at King Saud University. 2008

- Member, Branch Committee for Protecting Students Rights at Food Science and Nutrition Department, Women Sections for Sciences and Medical Studies, King Saud University. 2008
- Member of the Second Saudi Symposium on Food and Nutrition – Faculty of Food and Agricultural Sciences – King Saud University. 1984
- Member of Student Affairs Committee – Food Science and Nutrition Department – King Saud University. 2010-2011
- Member of Annual Report Committee - Food Science and Nutrition Department – King Saud University. 2010-2011

### **University and community service**

- Member of Cultural and Social Committee for the National Festival for Folklore and Culture, Natural Guard, Riyadh. Saudi Arabia. 1985 till now
- Member of Cultural and Social Activities - Alwafa Society. 1985
- Preparation of a manual devoted nutrition and home economics
- Management and implementation of the activities of the social activities of all kinds - Women Sciences and Medical Studies Sections – King Saud University. 1987-1988
- Committee member and director of women's cultural festival public relations Fifteenth National Heritage and Culture National Guard. 2000
- The preparation of a special booklet on the occasion of the fifteenth festival for Heritage and Culture National Guard. 2000
- Member of Cultural Activities at Riyadh Municipality Exhibition in celebration of Kingdom of Saudi Arabia Millennium. From 12-4-1999 to 6-5-1999

### **Membership of Scientific Societies**

- Member of Wafa Charity Society. 1985
- Member of Saudi Society for Food and Nutrition. Since 2003 till now
- Coordinator and member of Saudi Society for Agricultural Sciences. Since 2008 till now
- Member of the Egyptian Academic Society for Environmental Development. Since 9-4-2008 till now
- Member of Kuwait Society for Alshafafia. Since 2008 till now
- Member of Kuwait Society for Environmental Preservation. Since 2008 will now
- Member of the Saudi Scientific Association for Quality and Risk Management in Health Establishments (SAQR) – University of King Saud bin Abdulaziz for Health Sciences. 2011

**Councils**

Member of Council Board - Food Science and Nutrition Department - College of Food and Agricultural Sciences - King Saud University. 2000 till now