

CV

Surname : Hassan

Forenames: Fouad Abdulrahman Saleh

Nationality: Yemeni.

Date & place of birth: 05.02.1975 Sana'a / Yemen

Languages : Arabic and English

Temp. Add.: Department of Nutrition and Dietetics,
Faculty of Medicine & Health Sciences,
Universiti Putra Malaysia, 43400 UPM, Serdang,
Selangor, Malaysia.

Perm. Add.: Department of Food Science and Technology, Ibb University,
Ibb, Yemen

Contact No: +967775547786

Email Add.: fouad_975@yahoo.com
fouadhassan03@gmail.com



ACADEMIC QUALIFICATIONS

A) Degree : **Doctor of Philosophy (PhD)**
Field : **Nutritional Sciences / Food Chemistry & Biochemistry**
Year : **2012**
Thesis Title : “Antioxidant and Dietary Fiber Properties of *Mangifera Pajang* K.

Peels and Their Synergistic Health Effect on Hypercholesterolemic Induced Rats”

Advisor : Prof. Dr. Amin Ismail (Head of Laboratory of Halal Science research, Malaysia)

Name and Place of Institution : Department of Nutrition and Dietetics, Faculty of Medicine and Health Sciences, Universiti Putra Malaysia (UPM) 43400, Serdang, Selangor, **Malaysia**

B) Degree : **Master of Science (M.Sc.)**
Field : **Nutrition Sciences**
Year : **2002**
Thesis Title : “Fortification of Wheat Flour with Ferrous Sulfate to Treat Anemia and Study Its Effect on the Properties of Produced Bread”

Advisor : Prof. Dr. Farouk F. Al-Nouri & Jaber M. Mniahel

Name and Place of Institution : Department of Food Technology, College of Agriculture, University of Baghdad, **Iraq**

C) Degree : **Bachelor of Science (B.Sc.)**
Field : **Food Technology**
Year : **1997**
Advisor : Prof. Dr. Farouk F. Al-Nouri
Name and Place of Institution : Department of Food Technology, College of Agriculture, University of Baghdad, **Iraq**

ACADEMIC AND PROFESSIONAL EXPERIENCE

- ✎ He evaluated many programs and courses in many Universities such as (Aljazeera, Science and Technology, British U., University Of Putra Malaysia,....).
- ✎ He has worked at Universiti Putra Malaysia and appointed as Post-Doctoral Fellow doing some variety research related to his work from 5/2012- 10/2013
- ✎ Supervisor for more than 5 postgraduate students at Universiti Putra Malaysia (UPM) as Post-Doctoral Fellow, helping their supervisor to finish their degree requirements.
- ✎ From 1/2003 to 8/2007 he joined the Department of Food Science Faculty of Agriculture, Ibb University, as a lecturer in Ibb University (IU), Yemen teaching some courses related to his field.
- ✎ Supervisor for more than 60 undergraduate projects which were as a requirement for B.sc degree in Ibb University from 1/2003 to 9/2007.
- ✎ From 8/1997 to 12/1998 he worked in Yemen Company for Industry and Commerce (YCIC) as a production engineer and quality control manager (YCIC is one of the best Food companies in the Middle East).
- ✎ From 1/2008 to date he has been doing the requirements for receiving PhD besides his working as researcher assistant doing some papers in related international Journals.
- ✎ He has experiences on handling and breeding of laboratory animals as rabbits, rats, mice and hamsters that use for scientific researches.

TEACHING AT UNIVERSITY LEVEL

- ✎ Many courses (Practical & Theory) have been taught by him in Universiti Putra Malaysia, Department of Nutrition and Dietetics as Postdoctoral Fellow, and in Ibb University, Department of Food Science and Technology as a lecturer for more than 5 years the courses as follows:
 - Principle of Human Nutrition
 - Advance Human Nutrition
 - Food Chemistry
 - Food Analysis
 - Nutrient Analysis
 - Food Factories Management
 - Food Processing 1
 - Practical of Food Processing
 - Practical of Cereal Processing
 - Research Projects

DUTIES AND RESPONSIBILITIES

- ✎ He fulfilled some local and international training courses related to Food industry and food safety.
- ✎ Designed of practical module & examinations in Food Science and Technology Department.
- ✎ Assisted of B.Sc. & M.Sc. and PhD students in the preparing of research proposals & presentations. 9/2010- 9/2013. UPM. Malaysia.
- ✎ Participated on a workshop held by Ibb University with cooperation of Sana'a, Aden and Taiz Universities to improve the quality of courses and performance 9/2005.
- ✎ Participated in many organizing activities either local or international such as conferences, seminars, workshops and meetings.

AWARDS AND HONORS

- He awarded certificate of honor for the outstanding academic achievement 6/1996 from the Yemeni embassy, Baghdad, Iraq
- He awarded among 5 best students as outstanding in study in Baghdad University, College of Agriculture, Department of Food Science and Technology 6/2002.
- He awarded for the best M.Sc. thesis, Faculty of Agriculture Sciences. 2002 with overall thesis grade "Excellent with honor".
- Scientific silver and bronze medals awards from the Universiti Putra Malaysia (UPM) during the exhibition of the research application and innovation (8/2011).
- Certificate of honor for the outstanding academic achievement and for distinguished participation in the Yemeni postgraduate student's exhibition in Malaysia-2010 (YPSE 2010).

PUBLICATIONS

- King Weng Kong, Sarni Mat-Junit, Norhaniza Aminudin, **Fouad Abdulrahman Hassan**, Amin Ismail and Azlina AbdulAziz. (2016). Protective effects of the extract of *Barringtonia racemosa* shoots against oxidative damage in HepG2 cells. *PeerJ*. DOI 10.7717/peerj.1628.
- Azizah Othman, Amin Ismail, **Fouad Abdulrahman Hassan** and Alfi Khatib. (2016). Comparative evaluation of nutritional compositions, antioxidant capacities, and phenolic compounds of red and green sessile joyweed (*Alternanthera sessilis*). *Journal of Functional Foods*. DOI: 10.1016/j.jff.2015.12.014.
- Nokiran, N.N., Ismail, A., Azlan, A., Hamid M., and **Hassan F.A.** Effect of dabai (*Canarium odontophyllum*) fruit extract on biochemical parameters of induced obese-diabetic rats. *Journal of Functional Foods*, **2014**, 8, 139-149.(IF 2.46 & Q1)
- Aufa, Z.A., **Hassan, F.A.**, Ismail, A., Yousof, B.N.M., and Hamid M. Chemical composition, Antioxidant properties of underutilized vegetable palm hearts from *Plectocomiopsis geminiflora* and *Eugenia insignis*. *Journal of Agricultural and Food Chem.*, **2014**. Doi: 10.1021/jf403481p..
- **Hassan, F.A.**, Al-Sheraji, S.H. and Ismail, A. (2013). Dried mangos: phytochemicals, antioxidant properties, and health benefits. In: C Alasalvar and, F Shahidi (eds), *Dried Fruits: Phytochemicals and Health Effects*, Wiley Blackwell Publisher, Inc. Oxford, UK.
- Al-Sheraji, S.H., Ismail, A., Manap, M.Y., Mustafa, S., Yusuf, R.M. and **Hassan, F. A.** Purification and composition analysis of polysaccharides from the fibrous pulp of *Mangifera pajang* fruits in relation to their antioxidant activity. *LWT-Food Science and Technology*, **2012**, 48, 291-296. (IF 2.3 & Q1)
- Al-Sheraji, S.H., Ismail, A., Manap, M.Y., Mustafa, S., Yusuf, R.M. and **Hassan, F.A.** Fermentation and non-digestibility of *Mangifera pajang* fibrous pulp and its polysaccharides. *Journal of Functional Foods*, **2012**, 4, 933-940.(IF 2.46 & Q1)
- Al-Sheraji, S.H., Ismail, A., Manap, M.Y., Mustafa, S., Yusuf, R.M. and **Hassan, F. A.** Hypocholesterolemic effect of yoghurt containing *Bifidobacterium pseudocatenulatum* G4 in hypercholesterolemic rats. *Food Chemistry*, **2012**, 135, 356-361. (IF 3.46 & Q1)
- **Hassan, F. A.**; Ismail, A.; Hamid, A. A.; Azlan, A.; Al-sheraji, S. H. Characterisation of fiber-rich powder and antioxidant capacity of *Mangifera pajang* K. fruit peels. *Food Chemistry*. **2011**, 126, 283–288. (IF 3.46, Q1)
- **Hassan, F. A.**, Amin, I., Abdulhamid, A. and Azlan, A. Identification and quantification of phenolic compounds in bambangan (*mangifera pajang* kort.) peels and their free radical scavenging activity. *Journal of Agricultural and Food Chem.* **2011**, 59, 9102-9111. (IF 2.53, Q1)
- Prasad, K. N., **Hassan, F. A.**, Yang, B., Kong, K. W., Ramanan, R. N., Azlan, A. and Ismail, A. Response surface optimisation for the extraction of phenolic compounds and antioxidant capacities of underutilised *Mangifera pajang* Kosterm. Peels. *Food Chemistry* **2011**, 128, 1121–1127. (IF 3.46 & Q1)
- Al-Sheraji, S. H.; Ismail, A.; Manap, M. Y.; Mustafa, S.; Yusof, R. M. and **Hassan, F. A.** Functional Properties and Characterization of Dietary Fiber from *Mangifera pajang* Kort. Fruit Pulp. *J. Agric. Food Chem.* **2011**, 59, 3980 – 3985. (IF 2.53 & Q1)

- Al-Shookri, A., Al-Shukaily, L., **Hassan, F. A.**, Al-Sheraji, S. and Al-Tobi, S. Effect of Mothers Nutritional Knowledge and Attitudes on Omani Children's Dietary Intake. *Oman Medical Journal*, **2011**, 26, 253–257.
- **Hassan, F. A.**, Amin, I., Abdulhamid, A. and Azlan, A. The Effects of Diets, Supplemented With Either Whole Powder or Phenol-Free Powder Prepared From (*Mangifera Pajang* K.) Peel, on Hypercholesterolemic Rats. *Nutrition Research*, **2014** under review. (IF 1.9 2011 & Q3)
- **Hassan, F.A.**, Ismail, A., Hamid, A.A., Azlan, A and Al-Sheraji, S.H. Antioxidant Dietary fiber (AODF) of Mango Peel, Shifting from Industrial Waste to Useful Functional Food ingredients. A review paper. *Trends in Food Science & Technology*, **2014** Under review (IF 3.67).
- **Hassan, F. A.**, Abdelwahab, S. I., Alsheraji, S. H., Taha, M. M. E., Namrima, P., and Ismail, A. *Catha edulis* Forsk. (Khat): antioxidative and chemical diversities using HPLC-DAD-MS analysis of some Ethiopian and Yemeni varieties. *J. Agric. Food Chem.* **2014**. Under review.

CONTRIBUTION IN CONFERENCES, WORKSHOPS AND SEMINARS

CONFERENCES:

- ✎ The Yemeni Academic Conference on Nutrition Programs. Held on **17-19 Dec 2013**. Sana'a **Yemen**.
- ✎ Effects of *Mangifera Pajang* Peels on Toxicity And Histopathologic of Hypercholesterolemic Animal Model "International Functional Food Conference 2013" held on **18-20 Aug 2013**. Cyberjaya Resort, **Malaysia**.
- ✎ Effects of Antioxidants and Dietary Fiber Obtained from *Mangifera pajang* Peels in Hypercholesterolemic animal model "9th NATIONAL BIOLOGY SYMPOSIUM 2013" held On 28-30 May **2013**. Port Dickson Resort, **Malaysia**.
- ✎ Hypocholesterolemic Effect of Bambangan (*Mangifera pajang*) Peels and Their Useful Functional Food Ingredients in the "International Conference on Food Science and Nutrition 2012 (ICFSN **2012**)" held on 2-4 April 2012, Kota Kinabalu, Sabah, **Malaysia**.
- ✎ Valuable compounds from Bambangan Peels Shifting from Industrial Waste to Useful Functional Food Ingredients 'Functional Food Conference' Nutritional & Health Implications held on 16-17th November **2011**, Kuala Lumpur, **Malaysia**.
- ✎ Characterization of *Mangifera Pajang* Peels and Their Synergistic Effect on Hypercholesterolemic Induced Rats, presented in the "International XI Congress of Nutrition 2011" held on 13-16 July **2011** in Suntec, International Convention & Exhibition Center, **Singapore**.
- ✎ MANGA: Antioxidant Dietary Fiber-Rich Powder for Healthy Food Ingredient, presented in the "Exhibitor of Invention, Research and Innovation (PRPI)" held on July **2011**, UPM, **Malaysia**.
- ✎ Characterization of Fiber-rich Powder of *Mangifera Pajang* Peel and Its Antioxidant Capacity, presented in the "International Conference on Food Research 2010" held on November 22nd -24th, **2010**. Kuala Lumpur, **Malaysia**.

WORKSHOPS AND SEMINARS

- ✎ Participated in the International training program (TOT) which was conducted in Ibb University during **8-13 Oct 2016 (59 h)**.
- ✎ Participated in a workshop held by Ministry of Higher Education, Yemen, to evaluate the laboratories, quality of courses and performance of the new opened program, Human Nutrition and Dietetics, Faculty of Medical Sciences, British University In Yemen, **9/2016**
- ✎ Participated on a workshop held by Ibb University with cooperation of Sana'a, Dhamar and Taiz Universities to inauguration of Faculty of Medicine and Health Sciences and evaluate the quality of courses and performance, **6 - 11 Aug 2016**.
- ✎ Academic Publishing Workshop 2012: How to write a great Research Paper, and get it accepted by a Journal. 22nd of November 2012. Faculty of Engineering. UPM
- ✎ qPCR Expert Seminar, 23 Oct 2012. Institute of Bioscience, Universiti Putra Malaysia.
- ✎ International seminar on Soy Nutrition Trends, Market & Development, September 27, 2012. Crowne Plaza Mutiara Hotel.
- ✎ Public lecture on "How to Write a World Class Research Paper" held in the Institute of bimolecular Sciences IBS on July 17, 2012 by Prof. Rop Verpoort, The Netherland.
- ✎ Workshop on Multi genes qPCR held on July 16, 2012 by QIAGEN Singapore Pte Ltd. at Institute of Bimolecular Sciences (IBS), UPM, Malaysia.
- ✎ Fastest High Resolution TOFMS System for Metabolomics, Method and Natural Products Applications, held on April 5, 2012 Auditorium, Institute of Bioscience, UPM.
- ✎ Academic Integrity Seminar held on May 22, 2012 at DK2, Faculty of Medicine and Health Sciences, UPM.
- ✎ Effective Correspondence in English held on May 22, 2012 at DK2, Faculty of Medicine and Health Sciences, UPM.
- ✎ Academic Career Seminar held on May 28, 2012 at Dewan Utama Alam Sekitar (DUAS), 1st Floor, Faculty of Environmental Studies, UPM.
- ✎ Mini Seminar on Microplate Reader & qPCR for Medical Research held on June 25, 2012 by Dr. Karthik Somasundaram (Business Development Manager, APAC, Thermo Fisher Scientific) at Bilik Seminar 1, FPSK, UPM.
- ✎ Workshop on Knowledge Discovery & Data Mining in Health Systems held by Unated Nation University International Institute For Global Health (UNU-IIGH) from 9th to 10th of July 2012. Kula Lumpur, Malaysia.
- ✎ Workshop on Structural Equation Modling held by Yemeni Students Union University of Malaya from 14th to 15th of July 2012. Universiti Malaya, Kula Lumpur, Malaysia.
- ✎ Seminar on "recent advanced in maternal and child nutrition" held on 19th October **2011**, FPDK, UPM.
- ✎ 2nd Annual Neuroscience Seminar 2011, 23rd June **2011** at Faculty of Medicine and Health

Sciences, UPM.

- ✎ International Seminar on Scientific Updates on Umami Taste: Nutritional & Physiological implications Human Health, Prof. Dr. Takashi Sasano and others held on 17/2/**2011** in Faculty of Medicine and Health Sciences, UPM.
- ✎ Seminar on intellectual property rights, patent and copyright 15 December **2010** held in Faculty of Medicine and health sciences.
- ✎ Two workshops on good writing theses and preparing for viva for post graduate research education, held on 9, 16 /7/**2010** at FPSK, UPM.
- ✎ Workshop on “LC Method Validation held on 30 June **2010** at Analytical Unit, Faculty of Pharmacy, Campus Puncak Alam, Universiti Teknologi MARA, Malaysia.
- ✎ Public lecture in pharmacological evaluation of areca nut for antidepressant properties delivered by Prof. Dr. Ahsana Dar Farooq, University of Karachi, Pakistan, held in Institute of Bioscience (IBS) on 24 June **2010**.
- ✎ Seminar on "nutrition in early life and long term consequences for cognitive development and school achievement" by Prof. Dr. Reynaldo Martorell, Emory University, Atlanta, USA. Held on 1st of April, **2010** in FPDK.
- ✎ Seminar on "medical statistical thinking" held on 14th of January **2010** in Faculty of Medicine and Health Science FPSK, UPM.
- ✎ Workshop on “publishing for post graduates” SGS, 21st- 22nd November, **2009**, FPDK, UPM.
- ✎ International seminar on "green chemical processes with supercritical fluid technology" held on September, **2009** at Faculty of Food Science and Technology, UPM. by Prof.Dr. Richard Smith Jr. Technology Tohoku University, Japan.
- ✎ Two public seminars on: Bioinformatics in vaccine design and Bioinformatics in drug discovery by Dr. Clare Sansom from University of London. Held on 26th of March**2009** in IBS, Malaysia.
- ✎ International seminar on “Optimization of Nutraceutical Processing Using Parameter Estimation" held on July **2009**. Delivered by Prof. Dr. Kirk D. Dolan (president of Food Engineering Division, institute of Food Technologist (IFT), Michigan State University, USA.
- ✎ Public seminar on "laboratory Safety" by many presenters as Prof. Dr. Ngeow Yun Fong UM, Prof. Dr. Zailina Hashim and others 11 February, **2009**, UPM.
- ✎ Workshop on care and use of laboratory rodents and rabbits in research held by LASAM on November 25-27th **2008** at Institute of Bioscience by LASAM.
- ✎ One National Seminar on Gene Revolution held on June, **2008** at IBS by Dr. Tiffany Jiang "Personalized Genetic Device for Plant Research and Novel Multiplex Quantitative PCR for Gene Expression, UPM.
- ✎ Public Lecture on New Oil Sources held on August, **2008** at IBS. Delivered by Prof. Dr. Mariod, A.A. from Sudan "Searching For New Oil Sources: Bioactive Ingredients, and Industrial Applications.

MEMBERSHIPS

He is membership in:

- ARAB BOARD, since 2016
- Experts House, Center of Development & Quality Assurance, 2016
- American Chemical Society (ACS) 2012
- Nutrition Society of Malaysia (NSM), Malaysia since 2012
- Agricultural Engineers Syndicate Yemen, since 30/10/2000
- Agricultural Engineers Syndicate, Iraq, since 30/6/1997

RESEARCH INTERESTS

- Human nutrition/ Food security
- Functional food and nutraceutical
- Researches on cardiovascular diseases (CVD) on animals models.

REFERENCES

- **Prof. Dr. Amin Ismail**, head of Laboratory of Halal Science Research, Malaysia, office no: 603-89472435, fax no: 603-89426769, e-mail address: amin@medic.upm.edu.my.
- **Prof. Dr. Sami Abdulrahman Hussein**, Department of Dairy Science and Technology, Faculty of Agriculture, Menofiya University, Egypt. Email: drsamy_hussain@yahoo.com.
- **Assoc. Prof. Dr. Azrina Azlan**, Department of Nutrition and Dietetics, Faculty of Medicine and Health Sciences, UPM, Malaysia, office no: 03-89472466, fax no: 03-89472459, e-mail address: azrina@medic.upm.edu.my.