

Curriculum Vitae



Name & Date of Birth: *Abduljalil D. S. Ghaleb, June, 13, 1960*

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Present Job: ***Professor**
Food Science & Technology.
Faculty of Agric., Sana'a Univ.
Sana'a, Republic of Yemen.*

Academic Qualification:

B.Sc. (Jan., 1985)
*Food Science
Dept. Food Scie., Faculty of Agric.,
King Saud Univ., Saudi Arabia*

M.Sc. (June 1990)
*Food Science with major in Food Chem. and
integrated minor in Biochem./Statistics
Dept. Food Scie. Faculty of Agric.,
Oregon State Univ., U.S.A.*

Ph.D. (July 1993)
*Food Science with major in Food Chem. and
integrated minor in Biochem./Statistics
Dept. Food Scie. Faculty of Agric.,
Oregon State Univ., U.S.A.*

Skills: *Experience with*

A) Instrumental Analysis skills:

- *Chromatography analysis (GC, HPLC, Ion Exchangers).*
- *Titrimetry (Fisher titrimeters, T.A. & Formol value measuring instrum.*
- *Spectrometry (Spectrophotometers, Atomic Absorption instruments).*
- *Potentiometry (pH meters, E.C. instruments).*
- *Refractometry (Refractive Index measuring instruments).*
- *Gravametry (Ovens of Moisture & ash and Fat analysis instruments).*
- *Formulated types of instruments used for determination of protein, carbohydrates, food aditives, vitamins, chemical and pesticides residues in foods and feeds based on Chemical reactions).*

B) Computer skills:

- *Statistical analysis using SAS and Spss.*
- *Spread sheets.*
- *Internet applications.*
- *Data-show applications.*
- *Word Processing.*

Languages:

Arabic "Mother tunge"

English "Professional in writing and speaking"

Academic Experience

Teaching and conducting research, Sana'a Univ., Faculty of Agric., Sana'a, Yemen Since 1986 – 1987 and from Sept., 1993 to the present.

1) Taught the following courses:

- Food Chemistry and Analysis
- Chemistry and Testing of Dairy Products
- Technology of Fruit and Vegetables products
- Human Nutrition
- Quality Control of Food

2) Initiated research laboratories for advanced work in Food Chemistry, Instrumental Analysis especially Chromatography.

3) Proposed and directed undergraduate research work leading to applicable researches in food industry for governmental and private sectors.

4) Worked as a professor of Human Nutrition at Hadramout Univ. during the academic year of 96/97.

5) Helped in initiating graduate research work leading to M.Sc. degrees at Sana'a Univ.

6) Directed research projects on Food Law and Human Nutrition including:

- a- Quality Control of Foods in Yemen.
- b- Studies on Supplementary Foods for Children in Yemen.
- c- Malnutrition Problems among Yemenis especially Women.

- 7) Member of the following academic committees:
 - a) Research evaluation committee during the period at which a scientific conference held at Faculty of Agric., Sana'a Univ., Sana'a, Yemen, 1993.
 - b) Graduate studies committee, Faculty of Agric., Sana'a Univ., Sana'a, Yemen during 1995 & 1996.
- 8) Member of the Directive Board of the Water and Environmental Center at Sana'a Univ. since 1999 to the present.
- 9) Worked as a professor of Food Chemistry and Analysis at Tamar University during the academic years of 2006/2007 to 2010/2011.
- 10) Worked as a professor of Organic Chemistry Al-Nasser University during the academic year of 2010/2011 and the current academic year.
- 11) Worked as a professor of Human Nutrition at Al-Hekmah University during the academic year of 2011/2012.
- 12) Worked as a professor, lecturing on Food Chemistry, Food processing and Food service Management at Lebanese International University, Sana'a, Yemen starting in the academic year 2015/2016 up to present.

Supervisor for Graduate Students

A. Graduated

<i>Student's Name</i>	<i>Nationality</i>	<i>Degree</i>	<i>Research Title</i>	<i>Year</i>	<i>Status</i>
Ahssan H. Hanboosh	Yemeni	<u>M.S.c</u>	Influence of Picking date and Drying Methods on Yield and Quality of Yemeni Black Resin (Written in Arabic).	2002	Co-advisor
Massaouda M. Safa	Algerian	<u>M.S.c</u>	Chemical and Sensory Evaluation of Yemeni Bread Fortified with Wild Millet var., Teff. (Written in English)	2006	Major Advisor
Mohammed Larousi	Algerian	<u>M.S.c</u>	A Study on Contamination Levels with Heavy Metals in Some Fish and Shellfish Species in Yemeni Regional Sea. (Written in English)	2006	Major Advisor
Hossein A'l- Jaly	Saudi	<u>M.S.c</u>	<i>Chemical and Nutritional Characteristics of Locally Produced Mango Fruits in The Republic of Yemen.</i> (Written in Arabic).	2006	Major Advisor
Marwan M. Rashed	Yemeni	M.Sc.	Chemical composition and quality factors of the most spread vegetable cooking oil in the republic of Yemen	2008	Major Advisor
Abdussatar Al-Barati	Yemeni	M.Sc.	Compositional And Nutritional Characteristics Of Some Food Products Processed Fortified With Microelements In Yemen.	2012	Major Advisor
Khaled A. Al-Kodami	Yemeni	M.Sc.	Chemical safety characteristics in fresh and frozen poultry meat.	2013	Major Advisor
Amer Ali Mahdi	Yemeni	M.Sc.	Safety and quality Factors of palm dates Marketed in Sana'a Secretariat	2015	Major Advisor

B. Currently enrolled in MSc. Program

<i>Student's Name</i>	<i>Nationality</i>	<i>Degree</i>	<i>Research Title</i>	<i>Year</i>	<i>Status</i>
Abdulaziz M. Abdu	Yemeni	M.Sc.	Variation of food consumption habits among selected community groups of Yemenis and effects of that on their nutritional status.	2008	Major Advisor
Salwa Al-Haimi	Yemeni	Ph.D	Physicochemical Properties of some Yemen Green Coffee Cultivars	2016	Major Advisor

Positions Held:

1985 – 1986

Head

*Food Control Department
General Environmental Directorate
Ministry of Municipalities and Housing, Sana'a, Yemen.*

1986 – 1987

Teaching Assistant

*Food Scie., Dept.,
Faculty of Agric.,
Sana'a Univ.,
Sana'a, Republic of Yemen.*

1992 – 1993

Research Assistant

*Dept. of Food Scie.,
Oregon State Univ.,
Oregon, U.S.A.*

1994 - 1996

Consultant

*Technical Advisory Board for Food Control
Ministry of Housing & Urban Planning
Sana'a, Republic of Yemen.*

1995 – 1996

Consultant

*Nutrition
Department of Human Nutrition
Ministry of Public Health
Sana'a, Republic of Yemen.*

1998 – 2001

Vice-Dean of Faculty of Agric.

*Graduate Studies & Scientific Research
Sana'a Univ.,
Sana'a, Republic of Yemen.*

1999 – 2001

Consultant

*Nutrition and Food Safety
Assigned the responsibility to establish Food
& Drug Administration in Yemen.
Ministry of Public Health
Sana'a, Republic of Yemen.*

2000 – 2001

National Food Safety Coordinator

*World Health Organization Regional Office
Sana'a, Republic of Yemen.*

- 2009 – 2010** **National Consultant**
Livelihood and Food Security
Assigned the responsibility to prepare the **livelihood and food security plan of action** for Hajjah and Bait-Alfaqih governorates during 2009/2010 for the Community Base Health Development Programme of the Yemeni Red Crescent Society. (**Successfully Completed in Dec. 2009**).
- 2012 – 2014** **Technical Consultant**
Yemen Standardization, Metrology & Quality Control Org.
Assigned the responsibility to provide consultancy in food quality and safety and to supervise technical committees worked on food quality
- 2018** **National expert**
Develop and deliver ToT short course on improving Food Security, Nutrition and Livelihood for Staff and volunteers working at YRCW, Shana'a - Yemen
- 2020 to Present** **Head Department of Community Health and Therapeutic Nutrition**
AL-Razi University, Sana'a, Republic of Yemen.

Other Experiences

2005 – Present *At different authorities within the governmental and private sectors in the Republic of Yemen.*

As an official trainer in the following fields:

- Food production in corporations specialized in hospitality and tourism.
- Food quality and safety in factories that manufacture foods for consumers.
- Sensory evaluation of foods and food products.
- Food analysis using instrumental techniques, especially chromatography.

2006 – 2007 Cooperating with the WHO office at the Ministry of Public Health and Population, as a supervisor of a **field survey study carried out on three governorates regarding "Food consumption patterns among women of child bearing age."** The study was funded by the EMRO office in Cairo Egypt.

1995 – 2004 *Central Laboratory at the Ministry of Public Health
Sana'a, Republic of Yemen.*

Assisted in the following activities:

- Training staffs who work in food and water analysis.
- Deciding for future needs for food analyses equipment.
- Reviewing food analyses reports issued by the Central Laboratory.
- Helping in preparation of studies and plans required for conducting the most effective methods in food analysis.

- 1997 – 2001** Cooperating with United Nation Organizations (e.g. WHO and UNICEF) in Yemen in conducting survey-type studies and other type of studies related to Nutrition, Quality Control and Food Safety. *Bore the responsibility of establishing a National Yemeni Food & Drug Administration.*
- 1998 – 2003** **Participated in development and amendment of national food safety regulations** within committees at the Ministry of *Housing & Urban Planning and the Ministry of Public health and Population as well as in the Yemen Standardization, Metrology & Quality Control Organization.*
- 2020 – Current** **National expert with WHO Sana'a, Yemen.** *Bears the responsibility of reviewing Food and Nutrition's Law and Legislation in Yemen.*

Publications

- (1) Ghaleb, A. and Wrolstad, R. E (1997). Possibility of Producing Alternative Sweetener form Cantaloupe. A research paper accepted and given during the International Conference on Sugar and Sugar Substituents in Food Processing and Nutrition held at Suez Canal Univ., Ismailia, Egypt, (14 – 16) Oct., 1997.
- (2) Ghaleb, A. and Younis, M., (1999). Use of β -Galactosidase and Glucose Isomerase for Producing High Sweetener Fructose Syrup from Sweet Whey. *Annals of Agric. Sc. Moshtohor.* 37(2): 1267-1276.
- (3) Ghaleb, A., (2000). A Study on the Fortification of Table Salt with Iron in an Effort to Overcome Iron Deficiency Anemia among Yemeni Women. *Egypt. J. Appl. Sci;* 15 (3):213 - 227.
- (4) El-Haizami, H.M.; Ghaleb, A. and El-Yameni, A. (2000). Effect of Some Traditional Treatment on Grapefruits (Raziki ev.) Prepared to Raisin Production. *Egypt. J. Appl. Sci;* 15 (10):165 - 177.
- (5) Abduljalil D.S. Ghaleb, Ronald E. Wrolstad, Mina R. McDaniel (2002). Composition and Quality of Clarified Cantaloupe Juice Concentrate. *J. Food Processing and Preservation,* 26 (4) : 39 - 56.
- (6) Abduljalil D. S. Ghaleb, (2003), A Theoretical Study on Yemeni Consumers Daily Intake of Acidulants in Some Soft Drinks in the Capital Sana'a. *Egypt. J. Appl. Sci;* 18 (4) 564-570.
- (7) Ghaleb, A. D. S.; Al-Mamary, M. A.; and Al-Habori, M. A., (2003). Yield and Major Chemical Components in Fruits of Wild Cactus Pear Var., "Pountia ficus-indica" Grown in Yemen. *Annals of Agric. Sc. Moshtohor,* Vol 41 (1):193-198.

- (8) Ghaleb, A.D.S, T.A. Al-Kawry and R.M. El-Saadany (2004). Chemical Composition of Peach Kernel Oil and Nutritional Concepts of its Main Chemical Components. *Egypt. J. Appl. Sci*; 19 (9B):648-657.
- (9) Jalal A. Fadhle and Abduljalil D.S. Ghaleb, (2005). Possibility of Making High Quality Wheat Bread from Research-32 Wheat Cultivated Locally in The Republic of Yemen. *Arab Univ. J. Agric. Sci. ,* (13): 129-140.
- (10) Jalal A. Fadhle, Abduljalil D.S. Ghaleb and Jamil A. Thabet, (2005). Quality Comparison Between Cookies Made on a Laboratory-Scale Level from Snable Wheat Flour and from Research-32 Wheat Flour Cultivated Locally in Yemen. *Arab Univ. J. Agric. Sci. ,* (13): 141-157.
- (11) Ghaleb, A.D.S (2006). Foods Derived from Genetically Modified Organisms. *Egypt. J. Appl. Sci*; 21 (8A): 126-147.
- (12) Shaiban, M. S.; Al-Jaly, H.S. and Ghaleb, A. D. S. (2007). Nutrient Compositions of Fruits, Produced from Some Mango Cultivars, Locally Cultivated in Yemen. *Annals of Agric. Sc. Moshtohor, Vol 45 (2):*17-32
- (13) Al-Ariqi, Wadie S. T. and Ghaleb, Abduljalil D. S. (2010). Assessment of hydrochemical quality of ground water under some urban areas within Sana'a secretariat. *Ecletica quimica*; 35(1):77-84
- (14) Adnan A. M. Muhssen, A. Bagash, Abduljalil D. S. Ghaleb, Jamil., (2010). Effect of incorporating germinated and non-germinated lentil flours on dough and baking properties of wheat flour. *Annals of Agric. Sc. Moshtohor, Vol 48 (4).*
- (15) Ahmed Mubarak Alsobaai, Abdulmajid Mohammed Al shaibani, Tarek Mustafa and Abduljalil Derhem (2012). Effect of Hydrogenation temperature on the palm mid-fraction fatty acids composition and conversion. *Journal of King Saud University – Engineering Science* (2012), 24, 45–51.
- (16) Abdulmajid Al shaibani, Zahira Yaakob and Abduljalil Ghaleb (2014). Optimization of Sunflower Hydrogenation on Pd-B/ γ -Al₂O₃ Catalyst. *Oriental Journal of Chemistry Vol. 30, (1):* 167–180.
- (17) Marwan M. Rashed, Abduljalil D. S. Ghaleb, Jing Peng Li, Ahlam Naji, Yuan Hua Wei, Zhu Wen-you and Qunyi Tong (2018). Enhancement of Mass Transfer Intensification for Essential Oil Release from *Lavandula pubescence* Using Integrated Ultrasonic-Microwave Technique and Enzymatic pretreatment. *ACS Sustainable Chem. & Eng.* 2018,(6), 1639 – 1649.

- (18) Marwan MA Rashed, Chao Zhang, Abduljalil D.S. Ghaleb, JingPeng Li, Ahlam Nagi, Hamid Majeed, Amr M Bakry, Junaid Haider, Zhou Xu, Qunyi Tong (2019). Techno-functional properties and sustainable application of nanoparticles-based *Lavandula angustifolia* essential oil fabricated using unsaturated lipid-carrier and biodegradable wall material. *Industrial Crops and Products*. Vol. 136 (9): 66-77.
- (19) Marwan M.A.Rashed, Amer AliMahdi; Abduljalil D.S.Ghaleb; Feng RuiZhang; DuYongHua; WeiQin^aZhouWanHai (2020). Synergistic effects of amorphous OSA-modified starch, unsaturated lipid-carrier, and sonocavitation treatment in fabricating of *Lavandula angustifolia* essential oil nanoparticles. *International Journal of Biological Macromolecules*. Vol. 151, 702-712.
- (20) Amer Ali Mahdi, Jalaleldeen Khaleel Mohammed, Waleed Al-Ansi, Abduljalil DS Ghaleb, Qais Ali Al-Maqtari, Mengjiao Ma, Mohamed Ismael Ahmed, Hongxin Wang (2020). Microencapsulation of fingered citron extract with gum arabic, modified starch, whey protein, and maltodextrin using spray drying. *International journal of biological macromolecules* Vol. 152: 1152- 1134.
- (21) Mohammed S. A. Al-Awar, Talal Ali Hussein Al-Qalah, Abduljalil D. S. Ghaleb, Marwan M. A. Rashed (2020). Anti-inflammatory Activities of Different Types of Yemeni honey on Rats. *North American Academic Research*. Vol. 3 (11): 170-189.
- (22) Marwan M.A. Rashed, Abduljalil D.S. Ghaleb, JingpengLi, Sallah. A. Al-Hashedi, AbdurRehman (2021). Functional-characteristics of *Zanthoxylum schinifolium* (Siebold & Zucc.) essential oil nanoparticles. *Industrial Crops and Products*. Vol. 161 (3): 113 - 192
- (23) Qais Ali Al-Maqtari, Abduljalil D.S. Ghaleb, Amer Ali Mahdi, Waleed Al-Ansi, Abeer Essam Noman, Minping Wei, Abdulqader Al-Adeeb , Weirong Yao, (2021). Stabilization of water-in-oil emulsion of *Pulicaria jaubertii* extract by ultrasonication: Fabrication, characterization, and storage stability. *Food Chemistry*. (350): 12 - 24
- (24) Qais Ali Al-Maqtari, Adel Ali Saeed Al-Gheethi, Abduljalil D.S. Ghaleb, Amer Ali Mahdi, Waleed Al-Ansi , Abeer Essam Noman, Abdulqader Al-Adeeb, Aboudou Kabirou Olatound´e Odjo, Yuhang Du, Minping Wei, Weirong Yao* (2022). Fabrication and characterization of chitosan/gelatin films loaded with microcapsules of *Pulicaria jaubertii* extract. *Food Hydrocolloids*. (129):