

CURRICULUM VITAE

PERSONAL DATA

Name: Mustafa Abdu Gassem
Date of Birth: 1961
Nationality: Saudi Arabia
Marital Status: Married
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Current Position: Associate professor at King Saud University
Food Science and Nutrition Department

EDUCATION

Ph.D. Food Science and Technology, Food Biotechnology
University of Georgia, Athens USA. Nov, 1994

M.S. Food Science and Technology
University of Georgia, Athens USA. Jun, 1990

B.Sc. Food Science Department
King Saud University, Riyadh, Saudi Arabia, May, 1985

PROFESSIONAL EXPERIENCE

Executive Director of Laboratories Saudi Food & Drug Authority (Food Sector)
1/2010 to 7/2017.

Consultant Saudi Food & Drug Authority (Food Sector) from 9/2005 to 12/2009.

Associate Professor, Department of Food Science and Nutrition, College of Agriculture,
King Saud University from 6/2004 to now.

Assistant Professor, Department of Food Science and Nutrition, College of Agriculture,
King Saud University from 7/2/1995 to 6/2004.

Teaching Assistant, Department of Food Science and Nutrition, College of
Agriculture, King Saud University from 14/7/1985 to 6/2/1995.

Some of the responsibilities that have been carried out during my work at Saudi Food & Drug Authority:

- Participated in the establishment of the food sector (founding member).
- Participated in drafting the food law.
- Participated in drafting the food law Bylaws.
- Participated in drafting the feed law.
- Participated in planning, designing and furniture of food monitoring laboratory in Riyadh.
- Participated in planning and designing of food control laboratory in Riyadh and Jeddah.
- Participated in drafting the GCC guide for control on imported food.
- Participated in the preparation of the strategic plans first and second with BOZE and CO.
- Participated in drafting the organization structuring with McKinsey Company.
- Participated in drafting the unified GCC food law.
- Participated in drafting the unified GCC food law Bylaws.
- Participated in drafting the GCC food safety strategy.
- Chairman of the Committee for the development of work procedures of laboratory, inspections and samples receiving.
- Chairman of the Committee of fees pricing for the services that offer by the food sector.
- Chairman of the working group for transferring laboratories tasks from the Ministry of Commerce and Industry to the Saudi Food and Drug Authority.
- Chairman of the working group of moving to the new Riyadh laboratory.
- Chairman of laboratories working group food sector.
- Chairman of pesticides working group to develop a insight of the components of the control of pesticides on food sector.
- Chairman of the Special Committee of the classification and categorization of the positions of the food sector.
- Member of the executive team of the food sector.
- Member of the working group of technical regulations and standards of the food sector.
- Member of the working group for drafting the executive regulations of the food law in food sector.
- Member of the working group for drafting the executive regulations of the unified GCC food.
- Member of risks related to food and feed safety and pesticide management team.

- Member of the National Advisory Committee for the permanent food irradiation, a representative of the Saudi Food and Drug Authority.
- Represented Saudi Food and Drug Authority in many committees in the government such as the Bureau of Experts at the Council of Ministers, Ministry of Agriculture, and Ministry of Commerce and Industry.
- Represented Saudi Food and Drug Authority in Cooperation Council for the Arab States of the Gulf (GCC) Food Safety Committee.
- Represented Saudi Food and Drug Authority in the meetings of the Committee on Sanitary and Phytosanitary Committee of the World Trade Organization.

PARTICIPATIONS

- Meetings of the Committee of GCC Food Safety (Member of Saudi Arabia Delegation).
- SPS sanitary and Phytosanitary Committee Meetings, WTO (Geneva) (Member of Saudi Arabia Delegation).
- GMO Workshop GCC countries and USDA, USA, 2001) (Member of Saudi Arabia Delegation).

Publications:

Gassem, M.A. and J.F. Frank. 1991. Physical properties of yogurt made from milk treated with proteolytic enzymes. *J. Dairy Sci.* 74:1503-1511.

Frank, J., **M.A. Gassem** and R.A.N. Gillett. 1992. A direct viable count method suitable for use with *Listeria monocytogenes*. *J. Food Prot.* 55:697-700.

Gassem, M.A., K.A. Schmidt, and J.F. Frank. 1995. Exopolysaccharide production in different media by lactic acid bacteria. *Cultured Dairy-Products. J.* 30(3) 18-21.

Gassem, M.A., K.A. Schmidt, and J.F. Frank. 1997. Exopolysaccharide production from whey lactose by fermentation with *Lactobacillus delbrueckii* ssp. *bulgaricus*. *J. Food Sci.* 62: 171-173, 207.

Gassem, M.A.; K.A. Sims, and J.F. Frank. 1997. Extracellular polysaccharide production by *Lactobacillus delbrueckii* ssp. *Bulgaricus* RR in a continuous fermentor. *Lebensmittel-Wissenschaft-und-Technologie* 30(3) 273-278..

- Gassem, M. A.** 1999. Study of the Microorganisms Associated with the Fermented Bread (Khamir) produced from Sorghum in Gizan Region, Saudi Arabia. *J. Appl. Microb.* 86: 221-225.
- Gassem, M.A.,** and H.M. Abu-Tarboush. Lactic acid production by *Lactobacillus delbrueckii* ssp. *bulgaricus* in camel's and cow's wheys. *Milchwissenschaft, Germany*, 2000, :55(7) 374-378.
- Gassem, M.A.,** A microbiological study of Sobia: a fermented beverage in the Western province of Saudi Arabia. *World Journal of Microbiology and Biotechnology*, Netherlands, 2002, 18 (3): 173-177.
- Gassem, M. A** Physico-Chemical Properties of Sobia, a fermented beverage in Western Province of Saudi Arabia. *Journal of Ecology of Food and Nutrition, USA*, 2003,:42(1):25-35.
- Al-Maiman, S.A and **M A. Gassem,** Evaluation of the Physico-Chemical Properties and Microbiological Quality of Date Syrup (Dibs) Prepared from Two Date Varieties, *Alexandria Journal of Agricultural Research, Egypt*, 2003,:48(3):83-91.
- Gassem, M.A.** and Osman, M.A., Proximate Composition and Content of Sugars, Amino Acid and Anti-nutritional Factors of Three Sorghum Varieties. *Research Bulletin No.* (125), Agricultural Research Center, King Saud University, Saudi Arabia, 2003, pp. 5-19
- Gassem, M.A.** and Osman, M.A. 2005. Effect of fermentation on, antinutritional factors level and in-vitro protein digestibility of pearl millet. (In preparation).
- Khalid, G. M.; Abu-Tarboush, H. M. and **Gassem. M. A.** 2006. Growth and viability of *Lactobacillus acidophilus* and *bifidobacteria* in carbonated acidophilus milk *J. Saudi Soc. Food Nutr.* 1(2): 1-19. (Saudi Arabia).
- Gassem, M. A.** and & Osman, M. A. 2007. Chemical composition and nutritional potential of pearl millet grown in Jazan region of Saudi Arabia. *J. Saudi. Soc. Agric. Sci.*
- Moussa, I. M, **Gassem, M. A.,** Al-Doss, A. A., Mahmoud W. A. Sadik and Abdel Mawgood, A. L. 2010; Using molecular techniques for rapid detection of *Salmonella* serovars in frozen chicken and chicken products collected from Riyadh, Saudi Arabia : 9 (5) 612-619.
- Ahmed L. Abdel-Mawgood, **Mustafa A.A. Gassem,** Abdullah A. A. Al-Doss, Abdullah A. Alsadon and Salem S. Alghamdi. 2010. Monitoring of Genetically Modified Food *African Journal of Food Science*; 4(8): 536-540

- Moussa, I. M., Al-Qahtani, A. A., **Gassem, M. A.**, Ashgan, M. H.4, Dalia Kadry Ismail, Ghazy, A. I. and Shibl, A. M. 2011. Pulsed-field gel electrophoresis (PFGE) as an epidemiological marker for typing of methicillin-resistant *Staphylococcus aureus* recovered from King Saudi Arabia KSA. Vol. 5(12), pp. 1492-1499, 18 June,
- Magdi A. Osman and **Mustafa Gassem**. 2013. Effects of domestic processing on trypsin inhibitor, phytic acid, tannins and in-vitro Protein Digestibility of three sorghum varieties. *Journal of Agricultural Technology* Vol. 9(5): 1187-1198
- Magdi A. Osman, Abdelatif S. Eljassir, Mohammed S. Alamri, **Mustafa A. Gassem** and Elfadil. E. Babiker. 2013. Nutritional and antinutritional attributes of raw and cooked Saudi traditional dishes. *Journal of Food, Agriculture & Environment*: Vol.11 (3&4) : 590 - 594.
- Gassem, Mustafa**, Osman Magdi, Rahman Ibrahim Abdel, Al-Assaf Abdulla, Alhazmy Mohamad 2014. Chemical composition and microbial quality of sudanese camel milk. *Journal of Camel Practice and Research*. Vol. 21(2): 243-247.
- Ihab Mohamed Moussa , Ashgan Mohamed Hessain , **Mustafa Abdu Gassem** ,Abdullah Abdulaziz Al-Arfaj and Ismail Al Hazmi Mohamed 2014. Genotyping of *Salmonella enterica* collected from poultry farms located in Cairo, Egypt by Multiplex-PCR. *Journal of Food, Agriculture & Environment* Vol.12 (1): 195 - 198 .
- Bosilevac, Joseph M.; **Gassem, Mustafa A.**; Al Sheddy, Ibraheem A.; Almainan, Salah A.; Al-Mohizea, Ibrahim S.; Alowaimier, Abdullah; Koochmaraie, Mohammad. 2015. Prevalence of *Escherichia coli* O157:H7 and *Salmonella* in Camels, Cattle, Goats, and Sheep Harvested for Meat in Riyadh. [*Journal of Food Protection*](#). Vol. 1(8) pp. 89-96.
- Mushary H Al-Dakheel, Hassan K Haridi, Bushra M Al-Bashir, Ali AL –Shingity, Sulaiman Al- Shehri, **Mustafa Abdu Gassem** and I. Hussein. 2016. Prevalence of Iodine Deficiency Disorders among School Children Aged 8-10 years old in Saudi Arabia: Results of a National Iodine Nutrition Study. *Eastern Mediterranean Health Journal (EMHJ)*, Vol. 22 No.5
- Nasser Al-Daghri, Sherif H. Abd-Alrahman, Majed S. Alokail, Naji Al-Johani, **Mustafa Gassem**, Salah Al-Maiman and Philip G. McTernan. Bisphenol level in various brands of bottled drinking water in Riyadh, Saudi Arabia. Submitted for publication
- Sherif H. Abd-Alrahman, Salah Al-Maiman, **Mustafa Gassem**. BPA linked to obesity among Saudi children. Submitted for publication
- Mustafa Gassem**. Microbiological and Chemical Quality of a Traditional Salted-Fermented Fish (Hout-Kasef) Product of Jazan Region, Saudi Arabia. Accepted Saudi Journal of Biological Sciences.

Mushary H Al-Dakheel, Hassan K Haridi, Bushra M Al-Bashir, Ali AL –Shingity, Sulaiman Al- Shehri, **Mustafa Abdu Gassem** and I. Hussein. Assessment of Household Use and Consumption of Adequately Iodized Salt in Saudi Arabia. Submitted for publication.

Scholarships and Awards:

- Letter of thanks and appreciation His Excellency the Minister of Commerce and the Head of Board of Directors of Saudi Arabia Standards Organization (SASO), for the positive role and constructive participation participating in the First Meeting of Genetically Modified Foods. 9-10/10/ 2001.
- Letter of thanks and appreciation from Department of Agriculture Engineering for Participation in the workshop on Engineering and production problems facing the date processing sector in Saudi Arabia, College of Agriculture, King Saud University, Riyadh 14/02/2001.
- Letter of thanks and appreciation from the Chairman of the Baord of Abha Chamber of Commerce and Industry for Participation in the workshop on Methods in Bee Keeping and Honey Packaging, Abha, Saudi Arabia.25/12/1995.

A) Conferences:

- Presented a paper in the workshop "Cooperation Council for the Arab Gulf States (GCC) and its role in achieving sustainable development," Expo Milano 2015 "Italy, a paper entitled (Food Policies in GCC, Milan Expo 2015 ,Milan, Italy, 08/12/2015.
- Presented a paper at the Third Conference of the Gulf efficiency laboratories, Dubai,23-26/3/2015.
- Presented two papers in the First Arab Conference “Regulatory Control on Food, Drug & Medical Devices Ambitions and Challenges”, Sharm el-Sheikh, Egypt, 4-8 / 4/2013.
- Presented a paper at the activities on the environment day, Taibah University, Medina, 11/03/2012.
- Presented a paper at a symposium specifications and standards and food safety, the Saudi Arabian specifications and standards, entitled "Introducing the Saudi Food and Drug Authority and its future strategy to enhance food safety", Jeddah 3/6/2008.

- Presented a paper at the fifth meeting of agricultural "Marketing of agricultural products (contracts - privatization – globalization)", Riyadh Chamber of Commerce and Industry, entitled (food safety in the local markets Saudi Food and Drug Authority perspective, 05/15/2007.
- Attend a workshop " Investment on Laboratories for Food Safety and Agricultural Health ", organized by The World Bank and UNIDO under the auspices of WTO, Geneva, Switzerland, 15-16 / 11/2007.
- Attending the 1st Saudi Bio 2002 International Conference. King Faisal Specialist Hospital and Research Center, Jeddah, Saudi Arabia (6-8/4/2002)
- Attending Conference on the occasion of commemorating the centennial of the foundation of the Kingdom of Saudi Arabia, The Secretariat General for the commemoration of the centennial of the foundation of the Kingdom of Saudi Arabia, Riyadh, Saudi Arabia, 24-28/1/1999.
- Attending Conference of “Development and Environmental Impact”, Ministry of Municipal and Rural Affairs, Riyadh, Saudi Arabia, 21-23/9/1995
- Attending Saudi Biological 16th Annual Meeting on Biological Natural Resources in Kingdom of Saudi Arabia., Held at King Saud University, Riyadh, Saudi Arabia. 21-23/3/1995.
- Attending Saudi Biological 20th Annual Meeting on Camels Are An Important National Resources to Be Protected, Held at, King Faisal University, Al-Hasa, Saudi Arabia 1-3/2/ 2000.

Symposia and Workshops

- FSANZ International Training: Chemical Risk Analysis 7-11 November 2005.
- The Food Safety Regulatory Forum, Collaboration and leveraging for Food Safety in the Middle East. Manama, Bahrain 4-7/7/2006.
- Training course in Packaging Materials 20 – 24/2/ 2006.
- Sanitary And Phytosanitary Measures, TBT And Agriculture And WTO Dispute Settlement, Ministry of Commerce and Industry, Riyadh Saudi Arabia 4-6/6/ 2007
- National Seminar on the WTO SPS Agreement, SFDA, Riyadh, Saudi Arabia 16-17 /5/ 2009.
- GCC- Risk Analysis Workshop, Abu-Dhabi , UAE, 11-12/5/ 2009

- Attending the Workshop on “Who Own’s the Genes”, National Committee of Bio. & Med. Ethics, King AbdulAziz City for Science and Technology, Riyadh 1/10/2003.
- Participation in the Advance Workshop of “Detection of GMOs, Food & Feed”, King AbdulAziz City for Science and Technology, Riyadh 29/4 - 1/5/2002.
- The 1st Symposium for Saudi Society of Agricultural Sciences on “Sustainable agriculture”, College of Agriculture, King Saud University, (5-7/2/ 2002).
- Participation in the Symposium of “genetically modified foods”, Held at Saudi Arabian Standards Organization (9-10, October, 2001). Riyadh, Saudi Arabia. Presented a research paper entitled: The Knowledge of Consumers in Riyadh City about Genetically Modified Crops and Foods.
- Attending the 2nd Symposium of “ Meat Safety”, Environmental Health department, Ministry of Municipal and Rural Affairs, Riyadh, Saudi Arabia, 20-23/1/2002.
- Participation in the workshop on “Engineering and production problems facing the date processing sector in Saudi Arabia”, College of Agriculture, King Saud University, Riyadh 14/02/2001. Presented a research paper entitled: Food Biotechnology and Dates Industry.
- Attending the First Symposium on “Food Safety” ,King Faisal University, Al-Hasa, Saudi Arabia 9-11/10/ 2000.
- Attending the “Grand University Symposium for the occasion of commemorating the centennial of the foundation of the Kingdom of Saudi Arabia”, King Saud University, Riyadh, Saudi Arabia, 16-27/10/1999.
- Participation in the workshop on “Recent Trends of Radioisotopes and Radiation Application in Biotechnology”, Middle Eastern Regional Radioisotope Center for the Arab Countries, Cairo, Egypt, 27-30/11-1999.
- Attending the 2nd annual Symposium of “Food Poisoning”, Health Club meeting, Secondary Institute of Technical Inspectors Education, Riyadh, 9/11/1998.
- Attending the Third Saudi Symposium on Food and Nutrition, held during 26-29/10/ 1998. King Saud University, Riyadh, Saudi Arabia.
- Participation in the 1st Saudi Symposium on Agricultural Sciences, College of Agriculture, King Saud University, Riyadh, Saudi Arabia, 25-30/3/1997. Presented a research paper entitled “ Study of the Microorganisms Associated with the fermentaed Bread (Khamir) Produced from Sorghum in Gizan
- Participation in Symposium on “Methods in Bee Keeping and Honey Packaging, Abha, Saudi Arabia.25/12/1995.

Membership of Scientific Associations:

- Member of Saudi Society for Agricultural Sciences (SSAS).
- Member of Saudi Society for Food & Nutrition (SSFN).

Member of evaluation committees for 4 masters and 1 Co-advisor):

1. Al-Ruaily Moushrif. M.Sc., 1997. Title “Growth, Viability and Proteolytic Activity of Bifidobacteria in Whole Camle Milk”. (Member of Evaluation Committee).
2. Al-Arif, Ibrahim A.S. M.Sc., 1998. Title “Physico-chemical and Biological Characteristics of Bee Honey Produced in Saudi Arabia and Effect of Heating on Some of these Characteristics. (Member of Evaluation Committee)
3. Al-Olit, Yousf A. M.Sc., 2001. Title “The use of Hazards Analysis Critical Control Points Concept to study the Microbiological Hazards of Chicken Shawarma”. (Member of Evaluation Committee).
4. Al-Jaser, Abdulltief S. M.Sc., 2003. Title “Study of Chemical and biological Properities of Local Cowpea Seeds Proteins Grown in Gizan Region”. (Member of Evaluation Committee Principal Advisor).
5. Al-Arfag, Abdullah A. M.Sc., 2002. Title “Production and Partial Characteristics of an Extracellular Pectinolytic Enzymes from Different Isolates of Yeasts”. (Co-Advisor).

Councils:

- Member of Food Science and Nutrition Department Council, College of Agriculture, King Saud University, Since 7/2/1995 to date.
- Secretary of Food Science and Nutrition Council, College of Agriculture, King Saud University, 1997 to date
- Member of the Agricultural Experimental Station Council, College of Agriculture, King Saud University, 1997 and 1998.

University and Community Service:

- Member of Fruits and Vegetables Committee, at Saudi Arabian Standards Organization. (1995-1999).

- Head of Fruits and Vegetables Committee, at Saudi Arabian Standards Organization. (1999 to now).
- Evaluation of research papers sent for publication in the Journal of Food Sciences (Institute of Food Technologists IFT, USA).
- Evaluation of Standards proposals in the field of Foods submitted to Saudi Arabian Standards Organization.
- Participation in writing some articles in the News papers in the fields of foods.