

# MOHAMMAD ABDULHALEEM MELEBARI, B.Sc, MSc, PhD

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## Professional Experiences:

### **Work Title:** Assistant professor (current)

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Period: Dec 2019-Present

Location: Albaha University, Albaha, Saudi Arabia.

( Courses: Bacteriology, Virology and Microbial Ecology)

**Period:** January 2013 - 2019

**Location:** Food Science Department, University of Guelph, Guelph, Canada

**Work Profile:**

- ❖ Working in food microbiology lab as a part of my graduate program (PhD).
  - Worked on multiplex PCR and different RT-PCR machines such as BAX system, Pall GeneDisk and GDS to detect Top Six Non-O157 Shiga Toxin-Producing Escherichia Coli in beef
  - Worked with Bacteriophage to detect their effect on the growth of the Top Six.

**Period:** September 2010 - October 2012

**Location:** Food Science Department, University of Guelph, Guelph, Canada

**Work Profile:**

- ❖ Working in food microbiology lab as a part of my graduate program (MSc).
  - Worked on different Ultraviolet machines such as Collimated beam and Taylor-Couette reactor to apply non-thermal pasteurization on milk.
  - Worked with different microorganisms such as *E-coli*, *Bacillus* Spores, *Salmonella*, and *Listeria*

- ❖ Worked in the Chemistry, Hematology, Immunology, Parasites, Bacteriology labs individually and in teams as one of my undergraduate degree trainings.(2006)
  - Chemistry: Worked with (Cobas 400) to test the serum for chemicals present in blood such as lipids, blood sugar and hormones
  - Hematology: worked with (Pentra 60c+) to do Complete Blood Count (CBC), and done many other tests such as Sickling Test.
  - Immunology: worked with the Latex Tests and ELISA tests to detect some diseases.
  - Parasites: Worked with physical (color and shape), chemical (Strip test) and microscopic tests (looking for parasites) to investigate parasites in the samples such as urine, stool and blood.
  - Bacteriology: Learnt how to prepare and use different kinds of media such as Enriched Media, Liquid Media and Selective Media to cultivate different kinds of microbes; plated different sample such as throat, wound, pus, ear and high vaginal swabs. Also, worked with Bactec 9240 blood culture system which is automated microbiology growth and detection system designed to detect microbial growth from blood. In addition to other tests such as Ctalat Test and API 20E to differentiate between different kinds of bacteria.
- ❖ Worked in Public Health Laboratory, food safety labs, as a part of undergraduate degree training (2006). The training included:
  - Microbiological analysis and food safety management;
  - Sampling techniques;
  - Separation and concentration of samples;
  - Validating detection techniques;
  - Worked with (FIAstar 5000) System which used for automatic wet chemical analysis of nutrients and other parameters in water.
  - Used (Milipore Membrane Filters) for water testing.
  - Used (Stomacher 400) to mix the food samples.

## Education:

- **University of Guelph, Jan. 2013-June. 2019** Guelph, Canada  
**PhD.**, Food Science Department, Agricultural College.  
 Thesis: Influence of Diagnostic Methods in Determining the Prevalence of the Top 6 Non-O157 Shiga Toxin Producing Escherichia coli in Beef Processing
- **University of Guelph, Sept. 2010-Oct. 2012** Guelph, Canada

**MSc.**, Food Science Department, Agricultural College, GAP: 83/100. 20, October, 2012  
Thesis: Development of Ultraviolet Taylor-Couette Reactor to Apply Non-Thermal Pasteurization on Milk

- **Umm Al-Qura University** Makkah, Saudi Arabia  
**B.Sc.**, Applied Microbiology, College Applied Science, GAP: 3.14/4.00 , 13, June, 2009

### Academic Awards:

- 2014: International Students scholarship, University of Guelph, Canada.
- 2012: International Students scholarship, University of Guelph, Canada.
- 2011: Distinction Certificate, Saudi Cultural Bureau, Ottawa, Canada.
- 2008: A full scholarship to pursue a Master degree in food science from Ministry of Higher , Saudi Arabia
- 2003-2004: Distinction Certificate, Faculty of Applied Sciences, Umm Al-Qura University, Kingdom of Saudi Arabia, during the academic year of 2003-2004

### Laboratory Training:

- Laboratory Diagnosis of Common Diseases in Hajj. The Directorate of Health Affairs of Mecca, Kingdom of Saudi Arabia. (28-29/Nov/2006).
- Food Safety Laboratory Training, Public Health Laboratory (Sep/2006-Nov/2006)
- Clinical Laboratory Training, Maternity and Children Hospital, KSA, (June-Sept./2006)
  - Reception, Chemistry, Hematology, Immunology, Parasites, Bacteriology and Premarital Screening Test.
- Clinical Laboratory Training, Dr. Bakhsh Hospital, KSA, (Nov/2005-Feb/2006)
- Principles of Good Laboratory Practice (GLP). University of Guelph: School of Environmental Sciences, Guelph, (Canada), Mar-Apr/2012

### Additional Formal Training:

- Computer and Microsoft Office training. Center of Community Services & Vocational Training, Makkah, KSA June/2004.
- Certificate of English Proficiency. ESL University of Guelph, Guelph, (Canada), 2009-2011.
- Leadership Preparation and Malaysian Experience (online). Mubtath Center for Training and Development, Ottawa, Canada, Jan/2012.

- Teaching Development Program (12 hours of interdisciplinary workshop). University of Guelph, Guelph, Canada, Aug/2012.

### Skills:

- General microbiology techniques such as, plating, inoculation, counting, sterilization, and so on.
- The ability to work and the continuing modernization and development of skills as needed.
- The ability to work with (management / leadership) team.
- Proficiency in the use of basic computer programs (Microsoft Word...).
- Flexible team player who thrives in environments requiring ability to effectively prioritize and juggle multiple concurrent projects
- Confident, hard-working employee who is committed to achieving excellence.
- Fluent in both English and Arabic, in speaking, reading and writing

### Related Courses to Food Safety were taken at UofG:

- Principle of Food Science.
- Food Law and Policy.
- Food safety systems and management.

### Recommendations Academy:

- Available upon request.