

# *Curriculum Vitae*

## *Personal Details*

**Name:** Mohamed M ELemam

**Date of Birth:** 9/5/1966

**Place of Birth:** Tripoli – Libya

**Nationality:** Libyan

**Martial status:** Married

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## *Education Background*

- B.Sc. in Food Sciences, University of Tripoli, 1989, **Tripoli – Libya**
- M Phil in Biological and Biomedical Sciences, Glasgow Caledonian University. 2004. **Glasgow – Scotland.**
- Ph D in Microbiology, 2012, School of Biosciences, the University of Nottingham. **Nottingham – England**

## *Expertise Summary*

- 1990 - 2001 working as a member of radioisotops application department at Tajoura Research Center. I was studying the influence of radiate for controlling spoilage and eliminating pathogenic bacteria , such as salmonella. When ionizing radiation strikes bacteria and other microbes, its high energy breaks chemical bonds in molecules that are vital for cell growth and integrity, the microbes destroyed, or can no longer multiply causing illness or spoilage.

- 2001 - 2014 at Biotechnology Research Center (BTRC). I am involved in the projects include seawater pollution, isolation and identification of pathogenic bacteria from medicals, foods, antibiotic resistance, drinking and wastewater.
- January, **2015** up to now, teaching staff at **faculty of dentistry, University of Tripoli.**
- March, **2018** – **Professor**, Microbiologist , Dept. Periodontology, **faculty of dentistry, University of Tripoli.**
- **January, 2017**-now: A member of the Technical Working Group on the Arab Rapid Alert System (ARASFF). Arab Food Safety Group. Arab Food Safety Initiative for Trade Facilitation. Funded project implemented by UNIDO in partnership with LAS, AIDMO, AOAD.
- **October, 2018**-now: INFOSAN focal point. Ministry of Health, Government of National Accord. Libya.
- **November, 2017–August, 2021: Dean of faculty of dentistry. University of Tripoli.**
- **February, 2018**–now: Member of Libyan Higher National Committee for Food safety
- 2008 - 2012, I studied for **Ph D**. The subject was developing an integrated Phage-PCR assay for rapid detection of *Listeria monocytogenes* in environment samples.
- 2002 - 2004, I studied for **M Phil**. The subject was osmolyte metabolism in cold adapted *Listeria monocytogenes* Scott A: Regulation of amino acids uptake.

## *Present Post*

- From 1996- 2001, Head of Unit of Food Microbiology at Tajoura Research Center.
- From 2002 – 2007, 2014, Head of Division of Microbiology at Biotechnology Research Center (BTRC).
- November, 2017– August, 2021: Dean of Faculty of Dentistry. University of Tripoli.

## *Teaching Experience*

- Involved in teaching Microbiology courses to undergraduates.  
  
Course taught include, General Microbiology, Food Microbiology, Medical Microbiology and Environmental Microbiology. Nassar University, Al geeran and Al-zahra institutes (2004- 2008).
- Supervision of Master of Science research projects and thesis writing. (2004- 2008/ 2013 till now).
- Several training courses and workshops in laboratory Microbiology.(1995 till now).
- **January, 2015 up to now, course taught , Dental Microbiology at Faculty of Dentistry, University of Tripoli.**

## *Training Courses & Workshops & Certificates:*

- 1- **Fellowship**, Training course on medical microbiology at University of Tripoli, Faculty of Medicine, Tripoli – Libya (**six months, 1992**).

- 2- **Fellowship**, Training program by International Atomic Energy Agency (IAEA), on radioisotops application of pathogens in Hungary (**six months 1995**).
- 3- International course on current trends in microbial technology for a sustainable environment: exploring microbial biodiversity for novel process. University of Malay and National Education Scientific and Culture Organization (UNESCO). Kuala Lumpur – Malazia. October **1998. (two weeks)**.
- 4- **Fellowship**, Training program by International Atomic Energy Agency (IAEA), on Radiation Technology and Radiation Microbiology at the National Research Institute for Radiobiology and Radiohygiene. Budapest – Hungary. (**nine months 2001**).
- 5- **Workshop** on Biosafety and Biosecurity in general labs. 10th -13th Oct 2004. Tripoli, Libya. Organised by The Libyan Permanent National Committee for Bioethics and Biosafety (LNCBB).
- 6- **Workshop** on Biosafety and Biosecurity in general labs. 9th -12th Jan 2005. Benghazi, Libya. Organised by The Libyan Permanent National Committee for Bioethics and Biosafety (LNCBB).
- 7- Demonstrating in laboratory practical, 22/10/08, The University of Nottingham. **Nottingham - England**
- 8- Introduction to qualitative research, 29/10/08, The University of Nottingham. **Nottingham – England**
- 9- Exploiting scientific and technology innovations, 18/11/ 2008, The University of Nottingham. **Nottingham - England**
- 10- Introduction to quantitative research, 2/12/08, The University of Nottingham. **Nottingham - England**

**11-** Further presentation skills for researches, 9/12/08, The University of Nottingham. **Nottingham – England**

**12-** Personal strategic planning, Sofra Tanmia global academy for personal & leadership development Ltd. October, 2014. **Tripoli – Libya.**

**13-** Will power and success opportunities attract. Level 1-2. Arabian global academy for T & D. 12- 15/ 10/ 2015. **Tripoli Libya.**

**14-** Consultancy for Virtual Labs Program in Education Facilities Authority. The Ministry of Education. (December, 2014 – July, 2016).

**15-** Mini MBA (Master of Business Administration), Libyan Castle Human Development. 12-20/3/2017. **Tripoli – Libya.**

### *Teaching Interest*

Interested in teaching the following subjects:

- 1- General Microbiology.
- 2- Medical Microbiology.
- 3- Dental Microbiology.
- 4- Food Microbiology.
- 5- Seminar Presentation.

### *Selected Publications*

- 1- Nouha Elmarbet, Mahmoud Ben Shaban, Basma Doro, Bashir A. Lwaleed, Sarah Fouch and **Mohamed Elemam**. 2018. The Antibacterial Activity of Libyan Honey Against Gram Negative Bacilli: Potential Treatment Agent for Infectious Diseases? Journal of Advances in Medicine and Medical Research. 25(7): 1-10

- 2- Nouha Elmarbet, Mahmoud Ben Shaban, **Mohamed Elemam** and Basma Doro. 2016. Antibacterial Activity of Four Different Libyan Origin Honey Against *Salmonella* Species. Tripolitana medical journal. Vol. 5 (2).
- 3- **Mohamed M. Elemam**, Abdulgader Dhawi, Mahmoud Ben Shaban, Khaled Dahmani. A Study of Bacterial Contamination on Libyan Paper Banknotes in Circulation. American Journal of Microbiology and Biotechnology. Vol. 3, No. 1, 2016, pp. 1-6.
- 4- Elammari, M., Dahmni, K. **and Elemam, M.** 2015. Nuclear Techniques for Treating Sewage Water. International Journal of Current Research in Biosciences and Plant. Volume 2 Number 12: pp. 32-37.
- 5- Abdurazag Altomi, **Mohamed Elemam** and Abdulbaset Abuzwida. 2013. Principles of Diagnosis - laboratory and clinical bacteriology. (**book**).
- 6- **ELemam, M. 2010.** A novel Phage-PCR Assay for the Rapid Detection of Viable *Listeria monocytogenes* in Food within 24 h. *Presentation C/P88, ISOPOL XVII, Oporto, Portugal.*
- 7- **ELemam, M.** and Callum Buchanan. **2005.** The Effect of Glutamate, Salt Concentration and Temperatures on Growth of *Listeria monocytogenes* Scott A in a DME Medium. Third National Conference of Biotechnology. Tripoli- **Libya.**
- 8- **ELemam, M.** Fathi AL-gamodi, Kiss, I. and Castillio A. **2005.** Shelf-Life Extension of Chicken Meat by Using Irradiation. 5<sup>th</sup> Irradiation Scientific Conference. Al-Balaga - **Jordan.**
- 9- **ELemam, M.** Abuzoida, A, Fathi, G., Khaled, A, and Ghengesh, K.S. **2001.** Bacteriological Quality of Mineral Waters Sold in Tripoli, Libya. 7<sup>th</sup> Conference of the International Society of Travel Medicine, Innsbruck, **Austria.**

- 10- EL Emam, M.** Khaled, D. and Mohamed, S. **1998.** The Use of Irradiation Foods in Libya Market of the consumer Point of View. Fourth Arab Conference on the Peaceful Uses Atomic Energy. **Tunisia.**
- 11- EL Emam, M.** I. F. Kiss, J. Farkas and *et al.***1996.** The Effect of Irradiation and TRI Sodium Phosphate on Total Viable Cell Count in Chicken Meat Stored at Different Tem. Third Arab Conference on the Uses of Atomic Energy. Damascus - **Syria.**
- 12.** I. F. Kiss, J. Farkas, **EL Emam, M,** and *et al.***1996.** Irradiation and TRI Sodium Phosphate Effect on Microflora of Chicken Meat.16<sup>th</sup>. International Symposium of the International Committee on Food Microbiology and Hygiene. Budapest – **Hungary.**
- 13.** I. F. Kiss, J. Farkas, **EL Emam, M,** and *et al.* **1995.** Effect of TRI Sodium Phosphate dip Survival and Growth of Spoilage Flora and *Listeria monocytogenes* on Skin of Chilled Broiler Carcasses. Poultry Products Microbiology European Regulations and Quality Assurance System. Zaragoza – **Spain.**
- 14-** Dahmani K., Beaeed S., Saad M., Abuzuaida B. and **Elemam M** .2006. Isolation and Identification of *E.coli* 0157.H7 from chicken's liver. Society of Tunisia Microbiology – **Tunisia.**
- 15-** Khaled, D., **EL Emam, M.,** Abuzwida, A, Fathi, G. **1998.** Study of Effect of Radiation on Bacteriology Pathogens in Poultry Feeds. Fourth Arab Conference on the Peaceful Uses Atomic Energy. **Tunisia.**