

# MOHAMED ABD ELHAKIM KELANY

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Ain Shams, Cairo  
EGYPT

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## PROFILE SUMMARY

Mr. Mohamed is currently a Microbiologist in The Central laboratory of Residue Analysis of Pesticides and Heavy Metals in Food (QCAP). He worked, also, as a chemist in Medical laboratories and as a Medical representative in many pharmaceutical companies. He has over 10-years experience in analyses of microbes in food. Aware of all different laboratory equipments related to research projects. He participated in extensive experience in teaching courses related to Microbiology (Molecular biology techniques, Food pathogens, Microbiological testing, Quality system, HACCP, ISO 22000 and Food Safety). He has received his B.Sc. in Microbiology/Chemistry from Ain Shams University. He had also taken several courses in preparation for his Master Degree in Science (M.Sc.) and he had his thesis under title "Determination of the microbiological hazards and critical control points during the manufacture of frozen vegetables for developing of hazard analysis and critical control points" (HACCPs). He is currently working on his PhD. Thesis under the title "Isolation of Shiga-toxin producing *E. coli* from food and their natural environment".

## WORKING HISTORY

July 2005- Present

Member, Senior Microbiologist

AGRICULTURAL RESEARCH CENTER (ARC), Giza, EGYPT

CENTRAL LAB OF RESIDUE ANALYSIS OF PESTICIDES AND HEAVY METALS IN FOOD (QCAP).

The Reference Lab for the Egyptian Ministry of Agriculture; accredited reference to ISO17025:2005

- The deputy of the technical manager of the Microbiological Section.
- Responsible for Microbiological examination for different food pathogens.
- Responsible for the environmental sampling for food producing establishments and natural environment.
- Responsible for the internal quality control for the microbiological laboratory.
- Establish and apply ISO 22000 and HACCP system in many food processing plants.

### **Responsibilities, R&D Activities**

- Mr. Mohamed participated in team of analysts and experts involved in the development and validation of the analytical methods for testing new Microbes. He was involved in the work done including method validation parameters and using validation data in calculating measurement uncertainty.
- Provide advices for food testing laboratories regarding ISO 17025 and for Food producers using HACCP system.

2011-present

Technical expert of the Egyptian council for accreditation (EGAC), the national council for accreditation.

July 2004- July 2005

Medical Representative in a pharmaceutical Company.

September 2004 - 2006

Chemist in a medical laboratory.

## EDUCATION

September 2012-present

AIN SHAMS UNIVERSITY, Cairo, EGYPT

Preparing PhD. in Microbiology, Faculty of science.

October 2007- June 2012

MSc

AIN SHAMS UNIVERSITY, Cairo, EGYPT

Faculty of Science, Department of Microbiology

- Master Degree in Science on the HACCP System.

October 2004- November 2005

Pre-Master Courses

AIN SHAMS UNIVERSITY, Cairo, EGYPT

- Taken several courses in preparation for his Masters Degree in Science (Mycology, Virology, biotransformation, physiology, bacteriology, Molecular biology and English language course)
- Taken the TOEFL course in the Ain Shams University and also from the AMIDEAST.

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September 2000- June 2004

BSc

AIN SHAMS UNIVERSITY, Cairo, EGYPT

- Received the Bachelor Degree in Science (major: Microbiology/Chemistry) from the Faculty of Science.
- Grade:- Very Good

## RESEARCH PROJECTS, CONFERENCES, & WORKSHOPS

**2014**

Microbiology and Forensic Science Course (Open 2 Study), The Open Universities, Australia

**2014**

TQM (Total Quality Management System) at Brooklyn Academy

**2013**

Training Course on the ISO 14000 and OSHAS "Occupational Health and Safety Advisory Service" at The Egyptian Society for quality.

**2013**

Training course on the recent approach for gene Identification using Real Time PCR.

**2012**

Participating in the 8<sup>th</sup> International Conference<sup>8<sup>th</sup></sup> on Shiga toxin (Verocytotoxin) producing *E. coli* infections in Amsterdam, The Netherlands.

**2011**

Training in Germany for the Real-Time PCR system.

**2011**

Training in Rome, Italy in the Reference Laboratory for *E. coli* and attended the annual meeting of the vercytotoxin *E.coli*.

**2010**

Training in Denmark for 2 weeks in the National Food Institute and Danish Veterinary and Food Administration (Health and Consumer Directorate-General) which organized by EU

**2010**

Work shop on Risk Analysis and Technical Training (SPS Capacity Building) USDA

**2009**

Workshop in Applied Biosystem Company in Egypt about Real Time PCR

**2007**

Seminar for the new products of MERCK Company.

**2005**

Training course on the ISO 17025 overview, concept and preparation for laboratory accreditation.

## TRAINING COURSES

**EGYPT:-**

**The Open Universities, Australia**

Microbiology and Forensic Science Course (Open 2 Study)

**The Egyptian Society for Quality**

Training Course on the ISO 14000 and OSHAS.

**Faculty of Science-Ain Shams University:-**

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Training course on the recent approach for gene Identification using Real Time PCR.

### The Netherlands:-

The International Conference of VTEC (Verocytotoxin producing *E. coli*).

### Germany:-

Training in Germany for the Real-Time PCR system.

### Italy:-

Training in Rome, Italy in the Reference Laboratory for *E. coli* and attended the annual meeting of the vercytotoxin *E.coli*.

### Denmark:-

Training in Denmark for 2 weeks in National Food Institute and Danish Veterinary and Food Administration (Health and Consumer Directorate-General) which organized by EU

### Ministry of Agriculture-USA:-

Work shop in Risk Analysis and Technical Training (SPS Capacity Building) USDA

### Central lab of Residues Analysis of Pesticides and Heavy Metals in Food (QCAP), Giza, EGYPT

- Changes and the requirements of ISO/IEC 17025-2005 (3-5 and 18-20 August 2006).
- Horizontal methods for sampling techniques from surfaces using contact plates and swabs.
- General requirements and guidance for microbiological examination (ISO 7218).
- Isolation of fungi and slide culture technique.
- Analysis of different food poisoning microbes.
- Lab QA/QC system.
- Principles of ISO 17025.
- Introduction to Microbiological techniques used in examinations of food contaminants of Bacteriological origins.

### Ain Shams University Hospitals

- Introduction to Pathological analysis.
- Introduction to Medical microbiological analysis.

## PRESENTATIONS

Mr. Mohamed is a training coordinator with assignment of provision of training onsite, to colleagues, and to visitors.

- Microbiological Examination (General rules for microbiological examination ISO 7218) (QCAP, 2007 - present).
- Internal Quality Control (QCAP, 2007 - present).
- Introduction to Sampling and sample processing (QCAP, 2006 - present).
- Sampling technique from surface using swabs (QCAP, 2006-present).
- ISO 22000 And HACCP system (QCAP, 2006 - present).
- Real Time PCR and Molecular Techniques.

## LANGUAGES

- Fluent in spoken and written Arabic and English.
- TOEFL Test from AMID EAST
- English Language Courses, Conversation and American Pronunciation from ASEB Academy, Egypt

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## COMPUTER SKILLS

- Excellent knowledge of Windows 7 and MS Office Applications (MS Excel, MS Word and MS Power Point), and Internet Access.
- Excellent knowledge of Computer Maintenance.

## PERSONAL

**Date of Birth:** January 1, 1983  
**Nationality:** Egyptian.  
**Marital Status:** Single.

References furnished upon request