



## **PROFILE SUMMARY**

Dr. Mahmoud is a Researcher and Executive Training Manager in the Central lab of Residue Analysis of Pesticides and Heavy Metals in Food (QCAP) the reference laboratory for the ministry of agriculture and land reclamation, Egypt. He is a member of the board of directors of pesticides residues evaluation unit, also member of pesticides residues lab group.

He was entrusted with qualifying the training center to obtain the ISO 21001:2018 and ISO 9001:2015 certificates, QCAP-Training Center was awarded these certificates under his supervision in Nov. 2022.

Responsible for organizing national and international training sessions, planning the programs, development and improvement of QCAP-TrC services.

He has the experience in working with International organizations, as he is an expert on mission for the IAEA for Food Contaminants and Risk Assessment, he was nominated to undertake a 5 working days lecturing assignment for a National Training Course on Risk Assessment in Seychelles. Currently, he is the national coordinator for the AFRA project RAF5091 'Enhancing Human and Analytical Capacities for Food Safety Standards', also, Consultant of Pesticides Residues for FAO Egypt Project Number: TCP/EGY/3803/C3 - A mobile application for Food Safety in the time of COVID-19 (El-Mufeed app for Food and Agriculture).

He has over 15 years of experience in the field of accredited laboratories, lab quality management systems under the ISO/IEC 17025, risk assessment in food safety, food safety and standards, Food Regulations, Environmental pollutants, Health Hazards through Food supplies, Method Validation and Method Development, and Chromatographic Analysis and instruments.

More than 7 years of management experience, food regulations, regulatory affairs, government relations and administration.

His academic studies (M.Sc. and Ph.D.) were in the field of food and environmental contaminants and risk assessment. Attended a number of training courses in the field of food safety and quality, environmental pollutants, pesticide residues analysis, dietary exposure assessment, and ecological risk assessment.

He was graduated from the "Presidential Leadership Program for leading Cadres" in 2018.

## **AREAS OF EXPERIENCES**

### **Management:**

- Member of the Board of directors of the pesticides residues evaluation unit, which is responsible for vital decisions and managing the lab affairs.
- Executive training manager for QCAP training center
- Marketing manager for two years responsible for customer contracts, protocols, market study, and public relations.
- Government relations
- Project management and evaluation
- Member of the "Advisory Committee for Monitoring and evaluation" under presidency of the minister of agriculture and land reclamation from 2018 to 2020
- Member of presidential leadership program for leading cadres



## **PROFESSIONAL:**

- Expert on mission for the IAEA
- Risk assessment, risk communication, and risk management in food safety
- Food safety and Food testing
- Pesticide Residues Consultant for FAO Egypt
- Quality management systems under ISO standards (17025:2017, 21001:2018, and 9001:2015)
- Quality control & Quality assurance in the food testing labs
- Food standards
- Food Regulations and Regulatory affairs
- Environmental pollution
- Sustainable development in the fields of food production and environmental resources.
- Chromatographic instruments in food testing
- Method Validation and Method Development for analytical techniques
- Good Agricultural Practice (Global GAP)
- Organic Agriculture

## **Scientific Research:**

- Ph.D. in Food and Environmental safety
- M.Sc. in Food safety
- National coordinator for the AFRA project RAF5091 'Enhancing Human and Analytical Capacities for Food Safety Standards'  
AFRA is the African Regional Cooperative Agreement for Research, Development and Training related to Nuclear Science and Technology
- Member of "Eco-friendly applications to combat the toxicity of organic and inorganic pollutants in aquaculture systems." A research project funded by STDF
- Number of published papers in a highly ranked journals.

## **WORKING HISTORY**

June 2022 – present

### **Executive Training Manager**

### **Researcher, chemical analyst (pesticide residues group)**

**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 ISO/IEC 17025:2005  
QCAP Training Center is certified according ISO 21001:2018 and ISO 9001:2015

- Assigned to contact and coordinate between QCAP and the international organizations such as FAO, IAEA, and AOAD
- Assigned to setting up the general training policy and the center's internal training plans and programs in cooperation with the relevant analytical sections and authorities.
- Responsible for develop and implement the annual training plan.



- Participate and supervise the design of training programs.
- Manage all the administrative work within the center, coordinate all the national and international activities.
- Ensure the performance of the center and maintain all technical requirements related to all activities in accordance with the requirements of the ISO 21001 standard.
- Submitting reports directly to the laboratory director on the progress of training work and any non-conforming work.
- Evaluating the effectiveness of training and development programs.
- Selecting and contracting with external trainers when needed and according to the required training requests.
- Implementing internal audit and management review procedures, and approving corrective actions.
- Responsible for the personnel competence of the Lab staff in coordination with the technical manager
- Representing QCAP in Conferences, Exhibitions, symposiums, field days and visits
- Supervising junior chemical analysts
- Participating in research activities, method validation and method development
- Member of the board of directors of the pesticide residues unit
- Member of pesticide residues group (GC-MS/MS residue analysis)
- Application of the internal quality control and quality assurance procedures within the lab
- Participate in the method validation for the new methods

July 2018 – June 2022

## **Training Manager**

### **Assistant Researcher, chemical analyst (pesticide residues group)**

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 ISO/IEC 17025:2005

- Manage all training activities whether it is national or international
- Manage and coordinate internal and external training programs
- Assigned to evaluate the training needs for the lab staff
- Responsible for the personnel competence of the Lab staff in coordination with the technical manager
- Participating in research activities, method validation and method development
- Participating and representing QCAP in Conferences, Exhibitions, symposiums, field days and visits
- Member of the board of directors of the pesticide residues unit
- Member of pesticide residues group (GC-MS/MS residue analysis)

July 2016 – June 2018

## **Training and Marketing manager**

### **Assistant researcher, chemical analyst (pesticide residues group)**

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 ISO/IEC 17025:2005

- Organize and coordinate training programs for the lab staff
- Working on developing staff competence and experiences in the field of lab activities
- Participated in developing the laboratory website and updating the list of analyses
- Responsible for lab publishing and public relations

# MAHMOUD ABD EL-SALAM EL-SAYED SOLIMAN AL-SISI

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- Studying customer needs and new services that can be added
- Following up customers, organize meetings, and make interviews with customers
- Responsible for customer contracts, cooperation protocols and the quality of customer services
- Participating in research activities, method validation and method development
- Participating and representing QCAP in Conferences, Exhibitions, symposiums, field days and visits
- Member of the board of directors of the pesticide residues unit
- Member of pesticide residues group (GC-MS/MS residue analysis)

Match 2014 – June 2016

## **Assistant researcher, chemical analyst**

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 ISO/IEC 17025:2005

- Member of POPs lab group
- Assigned to apply the EPA method 1613 for analyzing Dioxins & Furans in food samples
- Assigned to apply the quality control requirements within the POPs lab
- HRGC-HRMS operator for POPs analysis
- Deputy of Marketing Manager

October 2012 – February 2014

## **Research assistant, chemical analyst**

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 ISO/IEC 17025:2005

- Member of POPs lab group
- Assigned to apply the EPA method 1613 for analyzing Dioxins & Furans in food samples
- Assigned to apply internal quality control requirements
- Member of QCAP marketing team

October 2008 – September 2012

## **Member, Deputy Marketing Manager**

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 ISO/IEC 17025:2005

- Assigned to Coordinate the marketing of lab services and prepare the marketing promotions and contracts.
- Assigned to represent the lab in exhibitions and workshops and contacting customers.
- Responsible for customer satisfaction and complains.

February 2007 - September 2008

## **Executive Site Manager, Quality Control Officer**

**AGROFOOD COMPANY**, Giza, EGYPT



- Assigned to execute the plan of the company, manage the team work and coordinate between departments of the site.
- Responsible for applying the GAP, HACCAP, and quality procedures.

## **EDUCATION**

March 2015 – July 2020

**PhD**

**AL-AZHER UNIVERSITY**, Cairo, EGYPT

Faculty of Agriculture, Environment and Biological Agriculture Department (EBAD)

- PhD in the environmental pollutants "POPs" in some environmental compartments

March 2009 – February 2014

**MSc**

**AL-AZHER UNIVERSITY**, Cairo, EGYPT

Faculty of Agriculture, Environment and Biological Agriculture Department (EBAD)

Master's Degree (M.Sc.) under title "STUDIES ON RISK ANALYSIS OF SOME ORGANOPHOSPHORUS PESTICIDES IN FOOD"

September 2002 - May 2006

**BSc**

**AL-AZHER UNIVERSITY**, Cairo, EGYPT

Received the Bachelor Degree in Agricultural Science (major: Environment and Biological agriculture) from the Faculty of Agriculture.

## **TRAINING COURSES**

- **Federal Office of Consumer Protection and Food Safety (BVL) – Berlin, GERMANY (March 2024 online)**  
-International Training for Safer Food (ITS Food)
- **Food and Agriculture Organization (FAO) – Cairo, EGYPT (Feb. 2024)**  
-The FAO/WHO Food Control System Assessment Tool
- **Agricultural Pesticide Committee (APC) – Giza, EGYPT (Feb. 2024)**  
-Safe and effective use of pesticides and its impact on the agricultural exports
- **German Federal Institute for Risk Assessment (BfR) – Berlin, GERMANY (June-July 2023)**  
- 11<sup>th</sup> BfR-Summer Academy on Risk Assessment and Risk Communication in Food Safety
- **German Federal Institute for Risk Assessment (BfR) – Berlin, GERMANY (Sept. 2022 online)**  
- 10<sup>th</sup> BfR-Summer Academy on Risk Assessment and Risk Communication in Food Safety
- **Central Lab of Residue Analysis of Pesticides & Heavy Metals in Food (QCAP) by certified contracted trainer – EGYPT (June 2022)**  
-Quality management system for educational organizations under the requirement of ISO 21001:2018  
-Quality management system under the requirement of ISO 9001:2015  
-Internal Auditing for ISO 21001:2018 and 9001:2015



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- **Central Lab of Residue Analysis of Pesticides & Heavy Metals in Food (QCAP) by certified contracted trainer – EGYPT (Jan 2022)**  
-Internal Auditing for ISO/IEC 17025:2017 as per ISO 19011:2018
  - **National institute form training on standardization (NITS) – Noida – INDIA (2019)**  
-Training program on Standardization and Conformity Assessment
  - **Central Lab of Residue Analysis of Pesticides & Heavy Metals in Food (QCAP), EGYPT (2019)**  
-Lab quality management system new ISO 17025: 2017 requirements
  - **Sustainable Persistent Organic Pollutants Management Project, EGYPT (2018)**  
-Training of trainers (TOT) program about Sustainable Persistent Organic Pollutants Management
  - **FAO Egypt in cooperation with Italian Agency for Development Cooperation, EGYPT (2018)**  
-Evaluation of projects and follow-up rules
  - **Guizhou University, Guizhou Province, CHINA (June-July 2018)**  
-Training class on new modern agricultural technology for China and African countries under the background of 'Belt and Road Initiative'.
  - **Agilent Technologies by dto LABS Italian experts, EGYPT (2018)**  
-Pesticide residue analysis using GCQQQ
  - **Agilent Technologies by Technoscient, EGYPT (2018)**  
-GC triple quadruple, troubleshooting & maintenance.  
-Mass hunter tuning, acquisition, qualification & Quantification.  
-MRM method development & optimization, dMRM, RTLock on Agilent 7010B GCQQQ
  - **Presidential Leadership Program PLP, EGYPT (May 2017 – Jan. 2018)**  
Member of Presidential Leadership Program for leading Cadres (executives)  
-National security and strategic sciences  
-Protocols  
-Economic and diplomatic sciences  
-Human resources, marketing, and institutional change  
-Leading skills and management sciences  
-Administrative reform and anti-corruption  
-Egypt 2030 strategy
  - **Egyptian Accreditation Council (EGAC), EGYPT (June 2015)**  
-Training on OECD GLP rules & requirements
  - **Egyptian Accreditation Council (EGAC), EGYPT (Aug. 2015)**  
-Training on OECD GLP principles
  - **Chinese Academy of Tropical Agricultural Sciences - Ministry of Agriculture; Haikou city, Hainan – CHINA (July 2014)**  
-Important Tropical Crops Pest control for African English speaking countries
  - **International Center for Advanced Mediterranean Agronomic Studies - Mediterranean Agronomic Institute; Bari – ITALY (Jan. 2013)**  
-Integrated Pest Management of Mediterranean Fruit Trees
  - **Central Lab of Residue Analysis of Pesticides & Heavy Metals in Food (QCAP), EGYPT (2012)**  
-Extensive training course in EPA method 1613 for analyzing Dioxins & Furans
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- **Central Lab of Residue analysis of Pesticides & Heavy metals in Food (QCAP), EGYPT (2012)**
  - Training in lab accreditation and quality system
  - Training in ISO 17025 requirements
  - Training in internal and external quality control
- **Agricultural Management Institute - Ministry of Agriculture; Beijing – CHINA (2011)**
  - Technical Training in Agro-processing Technologies for Developing Countries
- **SARAF – ONIRIS / Central Lab of Residue analysis of Pesticides & Heavy metals in Food, EGYPT (2011)**
  - Training in the field of pesticides Residues in plant and plant production
- **American University in Cairo (AUC); Cairo-EGYPT (2009)**
  - English language skills
- **Agrofood Co.; Giza-Egypt**
  - EurepGap, Tesco Nature's choice, and HACCAP (2008)
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- **Central laboratory of agricultural climate; ARC, Cairo-Egypt**
  - Protected Agriculture and Climatic changes (2005)
- **New renewable energy authority; Ministry of Electricity and Energy, Cairo-Egypt**
  - New Sources of renewable energy and its applications in Egypt (2005)

## PUBLICATIONS

Occurrence and ecotoxicological risk assessment of pesticides in sediments of the Rosetta branch, Nile River, Egypt. Journal of Environmental Sciences, Volume 118, 2022, Pages 21-31, ISSN 1001-0742, <https://doi.org/10.1016/j.jes.2021.08.047>.

Occurrence, human health, and ecotoxicological risk assessment of pesticides in surface waters of the River Nile's Rosetta Branch, Egypt. Environ Sci Pollut Res Int. 2021 Oct;28(39):55511-55525. doi: [10.1007/s11356-021-14911-5](https://doi.org/10.1007/s11356-021-14911-5). Epub 2021 Jun 17. PMID: 34138427.

Occurrence and human health risks of pesticides and antibiotics in Nile tilapia along the Rosetta Nile branch, Egypt. Toxicology Reports, 2020. <https://doi.org/10.1016/j.toxrep.2020.03.004>

Economic Analytical study of the risks of pesticides residues in tomato and orange crops [Egypt. J. Agric. Res., 96 \(3\), 2018](#)

Monitoring of multi-class pesticide residues in green grape and their potential risk for Egyptian consumer, Nature and Science 2013;11(11), [http://www.sciencepub.net/nature/ns1111/016\\_21135ns1111\\_110\\_115.pdf](http://www.sciencepub.net/nature/ns1111/016_21135ns1111_110_115.pdf)

## LANGUAGES

**Mother language: Arabic**

Fluent in spoken and written English.

**TOEFL ITP (Amideast) score 517 (2019)**

**Academic IELTS with overall band 6.5 (2016)**

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## COMPUTER SKILLS

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

Excellent knowledge of Computer Maintenance.

## PERSONAL

**Date of Birth:** November 20, 1984

**Nationality:** Egyptian.

**References Furnished Upon Request**