

CURRICULUM VITAE



PERSONAL DETAILS

Name: Ashraf Mohamed Sami Hassanin

Date of birth: 5th of December, 1970

Sex: Male

Nationality: Egyptian

Address:

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ACADIMIC QUALIFICATIONS

Doctor of Philosophy (Ph.D), Environmental Science, Lancaster University,

England, United Kingdom, July 2005.

Thesis title: Sources and Environmental Transfers of Polychlorinated Dibenzo -*p*-Dioxins, Dibenzofurans (PCDD/Fs) and Polybrominated Diphenyl Ethers (PBDEs) and Their Distribution in the Terrestrial Environment.

Master of Science (M.Sc) In Pesticides Sciences, Faculty of Agriculture, Cairo University, in August 1999.

Thesis title: Studies on the persistence and residue analysis of non-traditional pesticides.

Bachelor of Science (B.Sc) with final degree Excellent with Honour in Pesticides Sciences, Faculty of Agriculture, Cairo University in May 1992.

EXPERIANCE

- **Researcher and deputy Head of Persistent Organic Pollutants (POPs) Section**

September 2014- present, in the Central Lab. of Residue Analysis of Pesticide and Heavy Metals in Food, Agriculture Research Centre, Egypt.

- **Deputy Director** of the Central Administration of Plant Quarantine CAPQ, January 2014- September 2014, Egypt

Head of Phytosanitary and Regulation unit responsible for updating the Egyptian plant quarantine regulations. Responsible of the evaluation of Pest Risk Analysis (PRA) and elaboration of regulations that establishes the phytosanitary requirements for the entry of fresh fruits and other plant products to Egyptian market.

- **Assistant Professor** February 2010 – February 2014 in Plant Protection Department, College of Food and Agricultural Sciences, King Saud University, Kingdom of Saudi Arabia, involved for teaching the following courses: Pesticides Residue Analysis, Pesticide Chemistry and Toxicology, Pesticides and the Environment, Pesticides Bioassay, Insecticides and Advanced Pesticide Chemistry and Instrumentation.

Honorary Research Associate in Lancaster Environment Centre, Lancaster University, United Kingdom. July 2009-January 2010

Method development/validation for the newly emerged brominated flame retardants in environmental/Biota samples.

- **Researcher and Head of Persistent Organic Pollutants (POPs) Section**

September 2005- February 2010, in the Central Lab. of Residue Analysis of Pesticide and Heavy Metals in Food, Agriculture Research Centre, Egypt.

- ♦ Responsible for Persistent Organic Pollutants POPs section
- ♦ Developing and validating the analytical method used in dioxin analysis in foods, feed and environmental samples.
- ♦ QA/QC training in POPs section implementation

- **Training manager**

January 2008-July 2009 working as a training manager for the Central Lab. of Residue Analysis of Pesticide and Heavy Metals in Food, Agriculture Research Centre, Egypt.

Responsible for organizing the training courses in field of food and environmental contaminants.

Reviewing the training materials with the other trainers, in addition to my contribution as a trainer in the following courses which offered by the lab such as:

- **Introduction to Persistent Organic Pollutants (POPs)**
- **Analysis of Persistent Organic Pollutants using HRGC/MS**
- **Introduction to Pesticide residue analysis**
- **Chromatography basics**
- **Pesticide Residues Analysis Using GC/MS Chromatography**
- **Pesticide Residues Analysis Using LC/MS Chromatography**
- **Lab accreditation and ISO/IEC 17025:2005 requirements**

In 2008 Consultant for doping laboratory, Egyptian Ministry of Defense.

Invited for seminars and lecturing in different universities and institutes such as British university in Cairo, Cairo university, National research centre, Atomic Energy Agency and others.

▪ **Quality Assurance Manager**

May 2006 to Jan 2008 as a quality assurance manager in the Central Laboratory of Residue Analysis of Pesticide and Heavy Metals in Food, Agriculture Research Centre, Egypt. I was responsible for:

- ◆ Ensuring the laboratory quality management system is implemented and followed in compliance with ISO 17025, to implement, maintain, and improve the management system.
- ◆ Improve and coordinate the quality program to achieve the objectives of the quality policy.
- ◆ Identify the occurrence of departure from the quality management system and to initiate actions to prevent or minimize such departures.
- ◆ Implementation of quality objectives and to report to the director.
- ◆ Organizing and performing the lab internal quality audits.
- ◆ Assisting with the lab director for the lab management review report.
- ◆ Maintaining and updating the quality manual and other quality assurance documents.
- ◆ Performing quality assurance training for the staff.

2007-2008 ISO17025 Consultant in Sokhna port laboratory, Egyptian Ministry of Health" I was responsible for preparing the pesticides residue laboratory for ISO 17025 by the German accreditation body DAP, in addition as a consultant for establishing the quality management system in Central Pesticides Laboratory, Agriculture Research center, Egypt.

Lecturer

October 2007- April 2009 part time lecturer in faculty of Agriculture Pesticides department, Cairo University, Egypt.

Lecturing in pesticide chemistry (202) course for the 4th year plant protection undergraduate student.

▪ **Ph.D Studies in United Kingdom**

June 2001- August 2005.

In 2001 awarded a PhD scholarship from the Egyptian government to study the sources and environmental transfers of dioxins and furans PCDD/Fs and other Persistent Organic Pollutants in the United Kingdom at Lancaster University.

During my PhD study I gained a wide range of experience and knowledge in Environmental Organic Chemistry and Ecotoxicology field, my PhD was under supervision of Professor. Kevin. C. Jones one of the famous scientist in that field. During the study I am totally responsible for managing my PhD project, the project focused on the sources, fates and atmospheric interactions mechanisms of POPs on local and regional scales, ultra-trace environmental analysis been gained also through the project, specially Dioxins and Furans compounds as well as other persistent organic compounds which are now becoming increasingly important such as poly brominated diphenyl ethers and brominated dioxins; polychlorinated naphthalenes. The PhD study was published in 5 international scientific journals.

▪ During the PhD studies, I worked as a demonstrator in the environmental science modules supervised by Prof Kevin Jones and Dr Gareth Thomas, Lancaster University, UK.

▪ **Researcher Assistant**

March 1995- June 2001 Central Lab. of Residue Analysis of Pesticide and Heavy Metals in Food, Agriculture Research Centre, Egypt

♦ Responsible for developing and validating methods for pesticides multi residue this included Organochlorine pesticides, Organonitrogen, Organophosphorus as well as Dithiocarbamates group and N-methyl carbamates all these methods have been approved and accredited by Finnish accreditation body FINAS since 1996.

♦ Responsible for operating different Gas Liquid Chromatographic instruments with different detectors such as (Electron Capture ECD, Nitrogen Phosphorus detector NPD, Flam Photometric detector FPD and Flam Ionization detectors FID) I was also responsible for calibrations and maintenance.

- ♦ Responsible for HPLC with (UV and Florescence detectors) for N-Methyl carbamates determination.
- ♦ Responsible for all pesticides standard preparation and confirmation using GC/MS in order to verify there expiry and quality.
- ♦ In 1999, awarded M.Sc. degree from Pesticides Department, Faculty of Agriculture, Cairo University. The master studies were focused on the persistence and residue analysis of non traditional pesticides such as insect pheromones and Insect Growth Inhibitors as well as plant growth regulators.
- ♦ Selected in the team responsible for establishing the persistence organic pollutants section; I performed the method validation for Polychlorinated Dibenzo -*p*- Dioxins, Dibenzofurans (PCDD/Fs) as well as Dioxin like Polychlorinated Biphenyl co-PCBs in food and feeds from animal origin. I was responsible for determination by using the Low resolution spectrometry GC/MS.

▪ **Assistant Researcher**

April 1994-March 1995, Pesticide Residues Department, Central Agriculture Pesticides Laboratory, Agriculture Research Centre, Egypt

Analysing pesticides residue and their levels in fruits and vegetables these included the extraction of pesticides from different matrices as well as the clean-up procedures and final determination on the different chromatographic instruments such as Gas Chromatography GCs and High Performance Liquid Chromatography HPLC during this period different analytical technique has been practiced as well as sampling techniques.

August 1992 -March 1994, Pesticides Dept., Faculty of Agriculture, Cairo University, Egypt

Studying and evaluating the biological activities for insecticides, studying the usage of pesticides in the Integrated Pest Management IPM, studying the mechanisms for rodenticides resistance development in rodents specially the anticoagulant pesticides by using electrophorisis technique I was responsible for all buffer solutions preparation and running the technique, and taking the results, also during this period I worked as a demonstrator in pesticide chemistry, analysis and toxicology modules in the same department.

TRANINIG

- **Incorporating Technology into University Teaching** organized by the Deanship of Skills and Development, King Saud University 6-8/4/2013
- **Scientific Publishing in International Periodicals**, organized by the Deanship of Skills and Development, King Saud University 18-19/3/2013
- **Effective Communications Skills**, organized by the Deanship of Skills and Development, King Saud University 8-9/10/2012
- **Micro-Teaching**, organized by the Deanship of Skills and Development, King Saud University 2/10/2012
- **Developing teaching portfolio**, organized by the Deanship of Skills and Development, King Saud University 26/2/2012
- **Course design and construction**, organized by the Deanship of Skills and Development, King Saud University 25/2/2012
- **BlackBoard usage** , organized by the Deanship of e-learning and distance learning , King Saud University 9-10/1/2011
- **Outcomes based learning**, organized by the Deanship of Skills and Development, King Saud University 25-26/12/2010
- **Planning of Effective Teaching**, Deanship of Skills and Development, King Saud University 16-17/10/2010
- **Case teaching workshop**, organized by the Deanship of Skills and development in cooperation with the University of Western Ontario, King Saud University, Riyadh 14-16 December 2010
- **iMindMap**, Deanship of Skills and Development, King Saud University 11-12/12/2010
- **Training module for proposal writing and research funding**, Agriculture Research Center, Giza, Egypt 1-5 February 2010
- **World Health Organization Total Diet Studies Training**, 16 – 20 October 2006 Beijing, China
- **How to conduct Internal Audit and Quality Review according to ISO 17025**. Organized by the National Laboratory Accreditation Bureau (NLAB), Giza-Egypt, July 5-6, 2006
- **Awareness about the Requirements of ISO 17025**. Organized by the National Laboratory Accreditation Bureau (NLAB), Giza-Egypt, July 2-4, 2006

- **Technical Assessors training course according to ISO 17025.** Organized by the Egyptian National Laboratory Accreditation Bureau (NLAB), June 3-8, 2006, **Ismailia, Egypt.**
- **POPs training workshop " Techniques for POPs Analysis and Sampling "** 28-29 June 2005, Corus Research Development and Technology, Swinden Technology Centre, **Rotherham, UK.**
- **Training on Academic Publishing with Word "Creating documents for publication"** 7-8 February 2005, ISS Training Suite, Lancaster University, UK
- **Advanced training on SPSS,** 19-21 May 2004, ISS Training Suite, **Lancaster University, UK**
- **Introduction to SPSS,** 14-16 April 2004, ISS Training Suite, **Lancaster University, UK**
- **Training on operation maintenance of low Resolution Gas Chromatography-Mass Spectrometry,** 5-9 May 2003, **Lancaster University, UK**
- **Advanced training on operation of High Resolution Gas Chromatography-High Resolution Mass Spectrometry HRGC/HRMS,** 1-30 November 2002, **Lancaster University, UK**
- **English for Academic Purposes Course,** Dept. of Linguistics and English Language, 5-30 November 2001, **Lancaster University, UK**
- **"Sampling and inspection in pesticides"** at Central Lab. of Residue Analysis of Pesticide and Heavy Metals in Food, Agriculture Research Center, Egypt. *13-17 June 1999*
- **Dioxins analysis in food** in Central Lab. of Residue Analysis of Pesticide and Heavy Metals in Food, **Agriculture Research Centre, Egypt, September 1-21, 1999.**
- **Chemical Contaminants Analyses for Advanced Food Quality Control Laboratory chemists** 2 March to 24 April, 1998, Finnish Custom Laboratory, Espoo, **Finland.**
- **"Sampling technique for the analysis of chemical contaminants in food"** 8-12 January 1995, Central Lab. of residue analysis of pesticides and heavy metals in food, **Agriculture Research Centre, Egypt**
- **"The using of advanced chromatographic instruments in the pesticide determinations"** (21-30 August 1994) at Central Pesticide Lab., **Agriculture research Center, Egypt**

CONFERENCES AND WORKSHOPS

- **4th international Sustainable Agriculture conference**, organized by the Saudi Society for Agriculture sciences, Hail, Saudi Arabia 4-6 May 2011
- **Risk Analysis Regulatory Workshop, Organized by USDA and USAID**, February 17-27, 2009, Washington DC, USA
- **28th International symposium on "Halogenated environmental organic pollutants and POPs"**, August 17-22, 2008, Birmingham, UK
- **International Workshop on Total Diet Studies**. Organized by WHO EMRO/EURO, 28-31st October, 2007, Egypt
- **Workshop on the EU legislation for the control and monitoring of residues and contaminants in non-animal origin products**. Organized by European Commission and Health and consumer protection directorate-General. 17th - 18th April 2007. Cairo, Egypt.
- **IfEP workshop on proficiency tests**, Organized by the Egyptian Accreditation council EGAC, 18-21st February, 2007, Egypt
- **4th International Workshop on Total Diet Studies** Cosponsored by the World Health Organization and the National Institute for Nutrition and Food Safety, Chinese Centers for Disease Control and Prevention in cooperation with the Food and Agriculture Organization of the United Nations. 23-27 October 2006 Beijing, China.
- **Codex Committee on Pesticide Residues**, Thirty-eighth Session, 3 - 8 April 2006, Fortaleza, Brazil.
- **2nd Seminar meeting on Developments in the Measurement of POPs: Implications for Research Progress**, Thursday 7 July 2005, University of Birmingham, UK
- **1st Seminar Meeting on Research Needs for POPs: A Regulatory, Research Council and NGO Perspective**, Friday 7 January 2005, Conference Park, University of Birmingham, UK
- **Workshop on "Understanding and modelling the regional and global scale distribution and fate of POPs"**, 7-9 October 2002, Lancaster University, UK
- **22nd International symposium on "Halogenated environmental organic pollutants and POPs"**, August 11-16, 2002, Barcelona, Spain

PROJECTS AND SUPERVISION:

- Principle Investigator for project 11-ENV1591-2 title Monitoring of persistent organic pollutants levels in soil of the Central and Eastern provinces in the Kingdom of Saudi Arabia. The project funded from the Saudi National Plan for Sciences and Technologies NPST under

- Principle Investigator for project 12-ENV2585-2 title “ Bio-monitoring of persistent organic pollutants in breast milk from lactating mothers in Saudi Arabia” the project reviewed and **Highly recommended by AAAS, USA with budget 1.860.000 Saudi Riyals.**
- Co-PI for 12-ENV2660-02 “Distribution, Sources and Factors Influencing the Dissipation of Polyaromatic Hydrocarbons in Urban Soils” **Highly recommended 1.490.000**
- Supervisor for 2 MSc student and 1 PhD student

MEMBERSHIP:

- **March 2011 – present, Saudi Agriculture Society**
- **March 2008- present, member in pesticide residue committee, Egyptian Organization for Standardization & Quality.**
- **January 2008- present, member in food contaminants committee, Egyptian Organization for Standardization & Quality.**
- **June 1992- Present, Member in Egyptian Agriculture Society**
- **September 2005-present, Member in International Society of Food, Agriculture and Environment (ISFAE), Finland**
- **July 2005 – present, Journal Reviewer for Environmental Science and Technology one of the American Chemical Society publications, USA**

RECENT PUBLICATIONS

- 1 Mohamed EL-Saeid; Ali M Al-Turki; Mahmoud E Nadeem; **Ashraf S Hassanin**;
Mohamed I Al-Wabel
Photolysis degradation of polyaromatic hydrocarbons (PAHs) on surface sandy soil. Environmental Pollution, **under press**
- 2 M.M.Ayoub; M.E.Desoki; **A.S.Hassanin**; W.M.Thabet; M. H. Mansour; N.M. Loutfy; A. Raslan
Detection of pesticide residues in milk and some selected dairy products in Sharkia, Egypt J. Plant Prot. and Path., Mansoura Univ., **under press**
- 3 Yasser M. Nabil and **Ashraf S. Hassanin**
Method of analysis validation for Dioxin-like PCBs in Dairy products J. Plant Prot. and Path., Mansoura Univ., Vol. 3 (7): 645 - 656, 2012
- 4 S. El-Kabbany, H. Khairallah, Yasser M. Nabil, Sherif M. H. El-Safty and **A. S. Hassanin**
Monitoring of PCDD/Fs levels in fish species collected from the Egyptian costal harbours J. Adv. Agric. Res., Vol.2 (1), Oct. 2009.
- 5 **Hassanin, A.**

Levels of PCDD/Fs in imported fish in Egypt. *Organohalogen Compounds*, Volume 70 (2008), 1367-1370.

6 Hassanin, A.; Lee, R. G. M.; Johnston, A. E.; Jones, K. C.

Reductions and changing patterns of ambient PCDD/Fs in the UK: Evidence and implications. *Chemosphere* Volume 65, Issue 3, October 2006, 530-539.

7 Hassanin, A.; Lee, R. G. M.; Steinnes, E.; Jones, K. C.

PCDD/Fs in Norwegian and UK soils: Implications for sources and environmental cycling. *Environmental Science and Technology* 2005, 39, 4784-4792.

8 Hassanin, A.; Johnston, A. E.; Thomas, G. O.; Jones, K. C.

Time trends of atmospheric PBDEs inferred from archived U.K. herbage. *Environmental Science and Technology* 2005, 39, 2436-2441.

9 Hassanin, A.; Breivik, K.; Meijer, S. N.; Steinnes, E.; Thomas, G.O.; Jones, K. C.

PBDEs in European background soils: Levels and factors controlling their distribution. *Environmental Science and Technology* 2004, 38, 738-745.

10 Green, N. J. L.; Hassanin, A.; Johnston, A. E.; Jones, K. C.

Observations on historical, contemporary, and natural PCDD/Fs. *Environmental Science and Technology* 2004, 38, 715-723.