

Bahira Mohamed Said Lotfy
Curriculum Vitae



Curriculum vitae

1. **Name** : Bahira Mohamed Said Lotfy
 2. **Date of birth** : March 13, 1956
 3. **Nationality** : Egyptian
 4. **ID** : 25603130101748, Passport No.: A08090370
 5. **Address** : 6 Youssef El-degwy Street, Al-Manial, Cairo, Egypt
 6. **Job** : **Emeritus** Professor of Occupational and Environmental Medicine
 7. **Place of work** : Kasr Al-Aini – Faculty of Medicine (CAIRO UNIVERSITY)

8. Education:

Institution [Date from - Date to]	Degree(s) or Diploma(s) obtained:
Kasr El Aini Faculty of Medicine, Cairo University.(1986 - 1995)	Ph.D., M.D., Occupational Medicine,
Kasr El Aini Faculty of Medicine, Cairo University.(1982 - 1985)	M.S., occupational medicine,
Kasr El Aini Faculty of Medicine, Cairo University.(1974 - 1980)	M.B., B.Ch., Medicine and Surgery,

9. **e-mail** : bahira.s.lotfy@gmail.com
 10. **Phone numbers** : **Work:** +(202) 23688484
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11. **Civil status** : Married and has 2 Sons
 12. **Language skills** : Competence on a scale of 1 (Excellent) to 5 (basic)

Language	Reading	Speaking	Writing
Arabic	1	1	1
English	1	1	1
French	1	1	1

13. Present position:

- Professor of Occupational and Environmental Medicine at the Kasr El-Aini Faculty of Medicine (Cairo University).

- Supervisor on Environmental Mutagens laboratory at Cairo University Hospitals
- Physician- In charge- of Cairo University Hospitals

14. Years within the firm:

- Over 25 years at the Department of Occupational and Environmental Medicine at Kasr El-Aini Faculty of Medicine (Cairo University) including 6 years as a Manager of the Hazardous Waste Management Unit,
- Seven years as a research physician at the National Institute of Occupational Safety and Health- Heliopolis, Cairo-Egypt.

15. Key qualifications:

Dr. Bahira M.S. Lotfy is a faculty staff, researcher, team leader and consultant with over 30 years of experience in leading health and safety and environmental assessments at Kasr El-Aini Faculty of Medicine, Cairo University Hospitals (CUH), the National Institute of Occupational Safety and Health (NIOSH), as well as in many local, regional and international organizations. She has a wide experience in occupational health and safety, Infection control, environmental waste management concerns including hazardous waste management, radiation protection, chemical safety, occupational and environmental mutagenesis, environmental auditing (for compliance) and inspection (for enforcement).

Dr Lotfy worked as master trainer at The Health Care Waste Management Project implemented at Cairo University Hospitals since October 2009. She trained over 600 nurses 100 technicians 100 physicians and 100 workers, so far got classroom and on job- training during the early period of implementation. Dr Bahira was engaged in the implementation of Waste Management at Cairo University Hospitals. Her work included preparation of guidelines and codes of practice, since 1999. In addition, many other responsibilities have been carried out by Dr. Lotfy, including: Auditing at the department, hospital, and management levels; Preparation of teaching materials, posters, C.D., code of practice, as well as guidelines; Preparation of well-equipped training centre; Vaccination program and Periodic Medical Examination of Health Care Workers at the Infection Control Committee and Radiation Protection Committee established at Cairo University Hospitals.

Since 1985, Dr. Lotfy has published over 40 scientific papers, dealing with various occupational and environmental medical aspects, at many national, and regional journals. She is also participated in a number of important scientific events in Egypt and France.

Currently, a member of the Board of Directors of the Special Economic Unit responsible on Hazardous Waste Treatment at the Cairo University Hospitals. Dr. Bahira worked in the field of infection control at Cairo University Hospitals and is a member of the infection control higher committee for more than 10 years. She is engaged in training assignment of healthcare team in the field of Health Care Waste Management at CUH, the Ministry of Health and Population (MoHP), the Egyptian environmental Affairs Agency (EEAA) and the Ministry of Manpower and Migration (MoMM).

Dr. Bahira was involved in a number of research and training assignments with the East Mediterranean Regional Office of the World Health Organization (EMRO-WHO) and Cairo Office of the International Labor Organization (ILO). Among the assignments, were: study of Child workers in Pottery handicrafts workshops in south Cairo region, training of inspectors at the MoMM in the fields of Health Care Waste Management, Construction, as well as on reporting on Response of the Member States to the WHO-EMRO Questionnaire on Global Strategy for Occupational Health for All. Dr. Bahira was engaged in training assignments with the ILO on Occupational Safety and Health in Construction Sector in Egypt (2007-2008) as well as with WHO on Protecting Health care workers from needle stick injuries in Egypt and in Kuwait (2010 – 2012).

Dr. Bahira was deputy manager of Health Care waste management at Cairo University Hospitals (2006-2008), then manager of the unit from February 2008 till April 2012.

Dr. Bahira accomplished several training programs in Health care waste management, infection control and related occupational Health and safety topics...etc. in the past 15 years with the East Mediterranean Regional Office of the World Health Organization (EMRO-WHO), with USA-CDC, DANIDA, GIZ, Ministry of Health and Population as well as Ministry of Man Power.

Dr. Bahira has frequent expertise in interfacing with international and local NGOs, government agencies, and private companies' activities. As a university staff and research worker, she published more than 40 papers in Egyptian and International Journals. Special areas of her interest are infection control, Health Care Waste Management, Radiation Protection, Public Health Issues, Environmental Health, Occupational Health and Safety.

Dr. Bahira is an active member in a number of Local and National Committees dealing with Infection Control, Hazardous Waste Management, Environmental Issues, Radiation Protection, Occupational Safety and Health, Needle Stick Prevention, and various Public Health Issues. Member of Health Insurance Committee on disability evaluation as well as member of the Occupational Diseases Evidence Committee

She is currently in charge of supervising the Health Surveillance and Vaccination Program for Healthcare team at Cairo University Hospitals from 1996 till now.

Member

16. Bahira Lotfy Thesis

M.Sc. Thesis:

Health Hazards in the Use of Benzol as a Fuel Additive - May 1985

M.D. Thesis:

Chromosomal Aberrations in Lead Exposed Workers, November 1995

17. Academic or Administrative Jobs

Jobs	Faculty	From	To
Assistant lecturer; Occupational and Environmental Medicine.	Kasr El-Aini Faculty of Medicine- Cairo University.	24/12/1990	1996

Lecturer; Occupational and Environmental Medicine	Kasr El-Aini Faculty of Medicine- Cairo University.	23/4/1996	2001
Assistant Professor; Occupational and Environmental Medicine	Kasr El-Aini Faculty of Medicine- Cairo University.	27/6/2001	2006
Professor; Occupational and Environmental Medicine	Kasr El-Aini Faculty of Medicine- Cairo University.	27/9/2006	2016
Emeritus Professor	Kasr El-Aini Faculty of Medicine- Cairo University.	1/8/2016	Till now
Deputy manager of Health Care Risk waste at CUH	Cairo University Hospitals	2006	2008
Manager of Health Care Risk Waste Unit at CUH	Cairo University Hospitals	February, 2008	April, 2012

18. Thesis Supervision

- **M.Sc. A study of prevalence of tuberculosis among workers in pottery craft area**
Dr Mohamed Ahmed Saad; November 2006 – 8 November 2009
- **M.D. Designing and validating procedures for controlling infections in neonatal intensive care units**
Dr. Ekram Soliman- Ain Shams 2008
- **M.SC. Hepatitis B & C among healthcare personnel in Jordan**
Dr Sulleiman Ghattas -14 April 2008 – 16 September 2009
- **M.D. Health Hazards of occupational exposure to radioactive materials among healthcare workers**
Dr Nermine Hamdy; 26 July 1999 – January 2002
- **M.Sc. Role of Oral Antioxidant in Reducing Chromosomal Aberrations in Radiation Exposed workers**
Dr Dalia Abdel Hamid Shaker; 1998 – November 2001
- **Ph. D. Botany in Beni Suef. Mycological studies in Bagasse and its relationship on worker's health**
Dr Samia Abdel Aal; 15 April 2007
- **M.D. Genotoxic and precarcinogenic effect of formaldehyde among medical personnel**
Ratiba Said Mohamed El-Sharkawy; 20 December 2010
- **M.Sc. Baseline study of prevalence of tuberculosis in paramedical personnel**
Iman Ibrahim Ahmed Mohamed; October 2003- 15 April 2007
- **M.D. Musculo-skeletal disturbances in upper limbs of workers on Video Display terminals**
Dr Shermine Samir Abo Bakr; 20 September 2005

- **M.Sc. Prevalence of tuberculosis among healthcare workers
Dr Marwa Mohamed Fouad Abdel Aziz; September 2012**

19. Theses Discussion

- **Designing and validating procedures for controlling infection in neonatal intensive care unit, August 2008 (Faculty of Nursing)**
- **Hepatitis B and C among health care personnel in Jordan, July 2008** Department of Occupational and Environmental Medicine (**Faculty of Medicine**)
- **Prevalence of tuberculosis among healthcare workers, 2014.** Department of Occupational and Environmental Medicine (**Faculty of Medicine**).
- **Infection control in Laundry workers Aya, Assiut December 2016**
- **Occupational health hazards among flour mills workers and smoking situation analysis among smokers, Assiut 14 June 2023**

20. Membership in Professional Societies

- The Egyptian Medical Syndicate (since 1980)
- The Egyptian Society of Bilharziasis and Endemic Diseases (since 1980)
- The Egyptian Society of Occupational Medicine (since 1985)
- The Arab Society of Occupational Safety and Health (since 1987)
- Centre Egyptien de Documentation et de Technologie (CEDOTEC) (since 1988)
- The Egyptian Society of Pesticides' Hazards (since 1989)
- The Egyptian Association for Fitness, Disability and Environmental Health (since 1990)
- The Egyptian Association for Infection Control (since 1995)
- The Egyptian Association for Hospital Management (since 1997)
- The Egyptian Association for Hepatitis Control (since 2008)
- ICOH member

21. Other skills: (e.g. Computer literacy, etc.)

Computer: Word, Excel, Power Point, Statistical packages.

22. Books

- **TLVS 2017**
- **Guidelines on First Aid during Accidents and Emergencies, 2013 under publications**
- **Chapter 9.1: Child labour, in: Occupational Safety and Health for development (ISBN 978- 91- 633 – 4798 – 6) Royal Institute of Technology, Sweden; 2009, June**
- **Egypt in OSH and Development (No.10, April 2010 – ISSN 1653-5766) Royal Institute of Technology, Sweden; 2010, April**
- **Global Occupational exposure limits for over 5000 specific chemicals; OEHCS, INC. Publications Divisions, March 2006**
- **Occupational and Environmental Health Standards for Accrediting Hospitals and other Health Care Facilities, Sub-regional workshop at Gulf Countries' Cooperation Council level WHO and Gulf Countries' Cooperation Council; 2013, April**
- **Guide on the monitoring TB disease incidence among health care workers WHO A health approach to child labour (Synthesis report of four country studies on child labour in the brick industry, ILO 2014**
- **Health Wise, Work Improvement in Health Service Action Manual (WHO/ILO, 2014) Review team**

- معايير وحدود ومؤشرات التعرض المهني ٢٠١٨، منظمة العمل العربية
Standards, limits and indicators of occupational exposure (Arab Labor Organization, 2018)
- برنامج الصحة المهنية لقطاع الرعاية الصحية في حالات الأوبئة والطوارئ، دليل مختصر ٢٠٢٠. منظمة العمل العربية
Occupational Health Program for the Health Care Sector in Epidemic and Emergency Situations, a brief guide. Arab Labor Organization 2020.

23. Publications

I. From 2001 Onwards:

1. Study of Silico-tuberculosis among workers in pottery craft at Al-Fawakheer Area in Misr El-Kadima District (2019)
2. Formaldehyde health hazards and its precarcinogenic effects (Egyptian Journal of Occupational Medicine – January 2016)
3. Prevalence of Tuberculosis among health care workers in Cairo `university Hospitals (Egyptian Journal of Occupational Medicine – July 2015)
4. Genotoxicity of Formaldehyde in peripheral blood lymphocytes among pathology laboratory workers (Egyptian Journal of Occupational Medicine – July 2015)
5. Assessing health hazards especially gastrointestinal ailments affecting food handlers at Cairo University Hospitals (2013)
6. Genotoxic and Pre-carcinogenic effects of Formaldehyde Among Medical Personals (2013)
7. Prevalence of TB among healthcare workers (2012)
8. Egypt in OSH & Development (No.10, April 2010 – ISSN 1653-5766)
9. Mycological studies on Bagasse and its relationship on worker's health (2010)
10. Study of E.coli and salmonella Species colonization beneath fingernails in a general hospital food handlers (2010)
11. Waste management at CUH (Cairo – 2010)
12. A study of the prevalence of Tuberculosis among workers in pottery craft area (2009)
13. Child Labour (chapter 9) in OSH for Development, published by the Royal Institute of Technology, edited by K. Elgstrand and NF Petersson.), 2009
14. Overview of hospital safety hazards (2009)
15. Hepatitis B & C among healthcare personnel in Jordan (2009)
16. Safety and Health of HealthCare Workers (Syria, 2008, Arab league & WHO)
17. Designing and validating procedures for controlling infection in Neonatal Intensive Care Unit (2008)
18. A base line survey of the prevalence of Tuberculosis in Healthcare workers (2007)
19. Assessing the prevalence of tuberculosis in paramedical personnel at CUH, and the impact of liver affection on the treatment decision
20. Health Status of Workers in clay crafts at Al-Fawakhir Area in Misr El-Kadima District, South of Cairo (2007)
21. Risk assessment in Formaldehyde exposed workers in the pathology department (ongoing)
22. Low back pain among Health care workers at Cairo University Hospitals (ongoing)
23. Gastro-Intestinal Impairment Among Food Handlers At Cairo University Hospitals (2006)
24. Global Occupational Exposure Limits For Over 5000 Specific Chemicals. Published by OEHCs, INC., Publications Division (1st Edition. May 2006). Library of Congress Control
25. Environmental Assessment of Workers in Electric Power Plant Exposed to

Electromagnetic Fields-EMFs (2005)
26. Environmental Impacts and Health Status of Juveniles Working at the Pottery Clay Crafts (Al-Fawakheer) Area, South of Cairo (2005)
27. Evaluation of the Environmental and Health Hazards Due to Exposure to Ionizing Radiation among Laboratory and Other Personnel at the Cairo University Hospitals, Towards Establishing a Radiation Protection Program (2005)
28. Incidence of Health Hazards Affecting Workers Chronically Exposed to Nickel and Chromium Compounds in Three Private Electroplating Workshops (2005)
29. Assessing Health of a Group of Healthcare Workers Chronically Exposed to Glutaraldehyde at Cairo University Hospitals, With Special Emphasis to the Condition of the Respiratory, Dermatologic, Immunologic and chromosomal systems (Accepted 2005)
30. Evaluation of Health Hazards, Emphasizing Chromosomal Aberrations, Among Healthcare Workers Exposed to Ionizing Radiation at Cairo University Hospitals (Accepted 2005).
31. Role of Oral Antioxidant in Reducing Chromosomal Aberrations in Radiation-Exposed Workers (2005)
32. Patient Satisfaction With Occupational Health Services in a Chemical Industry (2005)
33. Respiratory Health Hazards Affecting Workers Chronically Exposed to Grain Dust in Flour Milling and Silos Operations (Accepted 2004)
34. Assessment of Health Status of Workers in a Major Waste Dumpsite with Special Emphasis on Liver Disease (2003)
35. Health hazards of occupational exposure to radioactive materials among health care workers (2001)

II. Before 2001

36. Health hazards in the use of benzene as a fuel additive (1984).
37. Occupational respiratory diseases in flax-spinning workers (1985).
38. Respiratory manifestations elicited in workers in an iron foundry (1985).
39. Occupational injuries in El-Kaliobia governorate (1986).
40. Industrial wastes in different economic activities in Guiza governorate (1987).
41. Environmental and health profile of workers in an iron ore Egyptian mine (1989).
42. Mining injuries in Egypt (1989).
43. Pattern of injuries in Egyptian metallurgical industry (1989).
44. Environmental and health hazards due to different exposures in the Egyptian Sea-Ports and shipyards (1990).
45. Environmental and health profile of workers in Abo-Zaabal Bazalt quarries (1990).
46. Pattern of occupational injuries in different chemical industries in Egypt (1990).
47. Health hazards due to exposure to pesticides in two Egyptian small scale enterprises
48. (1991).
49. Cardio-respiratory manifestations in Talcosis (1991).
50. Chromosomal Aberrations in Anesthesia Exposed Health Workers in Kasr El Aini School of Medicine (1993).
51. Chromosomal Aberrations in Pharmaceutical Workers Exposed to Natural and Synthetic Hormonal Preparations (1994).
52. Chromosomal Aberrations in Workers Exposed to Lead in a Printing House (1994).
53. Melatonin: The Assumed Latest Cure-All Drug: Can Melatonin Protect or Treat Radiation-Induced Tissue Damage? (1998).

54. Investigating Different Environmental Health Implications due to Chronic Exposure to Vinyl Chloride in an Egyptian PVC Production Facility (1998).
55. Effects of Chronic Electromagnetic Exposure on Chromosomal Aberration and Superoxide Dismutase of Workers in Electric Power Transmission Stations (1998).
56. Genetic Monitoring; An Important Tool in Occupational and Environmental Health Practices (1998)
57. Different Health Hazards due to Electromagnetic Exposure Affecting Radio-diagnosis Personnel at Cairo University Hospitals with Special Emphasis on Chromosomal Integrity (1998)
58. Effects of Environmental Exposure on Health of Working Children and Young adults at As-Salaam District (1999)
59. Improving Workstation Design for Higher Productivity in Two Small Scale Enterprises Present at the Craftsmen City, Assalam Province, Cairo (1999).
60. Evaluation of different health hazards affecting the pharmacists and their assistants at Cairo University Hospitals (2000)
61. Health Hazards due to exposure to Methyl Tertiary-Butyl Ether (MTBE) Among Groups of Egyptian Workers (2000)
62. Health Hazards Affecting Waste Collectors at Cairo University Hospitals with a Proposed Health Surveillance Program (2000)

24. Prizes

**Cairo University Center for environmental Research and Studies and Risk Mitigation-
March 2005 Prize on the occasion of the Environmental awareness week.**

25. Other accomplishments

- Establishing Environmental Mutagens' Laboratory in the Department of Occupational & Environmental Medicine.
- Member of the Infection Control Committee; design and carrying out health surveillance program, including a vaccination program for the health care workers at the Cairo University Hospitals.
- Sharing in implementation of the Health Care Waste Management System at Cairo University Hospitals. Currently, a member of the Board of Directors of the Special Economic Unit responsible on Hazardous Waste Treatment at the Cairo University Hospitals.
- Engaged in designing, provision and assessment of several courses on "Occupational Health and Safety and Environment", held at the National Institute for Occupational safety and Health (NIOSH - Egypt), the Arab League, the American University in Cairo (AUC), as well as in a group of privately owned companies and institutions, since 1992.
- Established a Radiation Protection Program at the Cairo University Hospitals, since November, 2001
- Editing Guidelines and Training Manual for Primary Health care Personnel, on: "Recognition, Management and Prevention of Health Problems Affecting Working Children". This was sponsored by the East Mediterranean Regional Office for the World Health Organization (EMRO- WHO), during 2002.
- Design, execute and supervise a training program on: "Environmental, Health and Social Aspects of Employment of Young Workers at Al-Fawakheer Area Present in Old Cairo Region", sponsored by the East Mediterranean Regional Office for the World Health Organization (EMRO- WHO) during March 2004.

- Design, execute and supervise a field study on: "Environmental and Occupational Health Influences on Children and Young Subjects Working on Clay-Hand Crafts at Al-Fawakheer Area Present in Old Cairo Region", sponsored by the East Mediterranean Regional Office for the World Health Organization (EMRO- WHO) during 2004 - 2005.

26. Training

- Ergonomics (ACTIM - FRANCE: 1983).
- Neurobehavioral Test Batteries (ICOH - EGYPT: 1994)
- Environmental and Health Effect of Pesticide Exposure (Kasr El-Aini. Faculty of Medicine.1996)
- Pesticides' Chemistry, Environment, and Health: 5Th Condensed Education and Training Course by (Kasr El-Aini. Faculty of Medicine.1996)
- Toxicology, Drug Abuse and Environment, (Arab Council for Graduate Studies and Scientific Research in Collaboration with Cairo University.1996)
- The Fourth Alexander Hollander Training Course in Genetic Toxicology (Cairo, 1997).
- Training Workshop on: PCR- Review on: DNA and RNA manipulation (RFLP. Ain Shams University. Faculty of Science. 1998).
- Training Course on Health Care Waste Management (Denmark, October, 1999)
- The Tenth Annual Conference, Laboratory Medicine and Geriatrics, The Egyptian Society of Laboratory Medicine (Work shop on FISH) April, 1999.
- Swedish International Development Cooperation Agency (SIDA)- Advanced International Training Program on Occupational Safety and Health and Development, carried out at the following cities: Stockholm, Sweden (September, 2001); Amman, Jordan (September, 2002); and Casablanca, Morocco (September, 2003)
- Training on Hospital Risk Assessment (France, 2007)

27. Professional experience:

Date from - to	Location	Company	Position	Description
From January 2023 to June 2023	Dakahleya Governorate	Chemomics-Egypt, COWI, Swiss SECO, and Ministry of Health and Population	Consultant and Chief Trainer	Preparation of the training program on Hazardous Healthcare waste Management in Dakahleya Governorate Provide training on Hazardous Healthcare waste management in Dakahleya governorate Provide evaluation of the training program Provide monitoring of the knowledge level and awareness of trained people before and after training
17 – 20 December 2022	Cairo	Department of Occupational & Environmental Medicine Belgian Center of Occupational Hygiene – BeCOH	Consultant	Assist with Training of staff member of the Department on: Professional Development Course: Basic Principles in Occupational Hygiene Provide evaluation of the training Report on the training

Date from - to	Location	Company	Position	Description
		Workers Health Without Borders		Provide monitoring of the knowledge level and awareness of trained people before and after training.
From August 2021	Cairo	Chemonics-Egypt, COWI, Swiss SECO, and Ministry of Health and Population	Consultant and Chief Trainer	<p>Elaborate a training concept including assistance to upgrade the in-door waste management system of 10 public and private clinics including a General hospital, specialized hospital, family healthcare units, lab, medical insurance hospital, and private healthcare facilities/clinics in the Governorate of Dakahleya;</p> <p>Provide training in 1) the operation and maintenance of the Waste Treatment Plants, 2) waste collection systems, 3) CTDD in Dakahleya;</p> <p>Assistance to MoHP and the concerned hospitals and health centers on appropriate training units at these hospitals, with regard to waste separation, recycling, packaging and storage of hospital waste;</p> <p>Assistance to MoHP on the required training units to be provided by the supplier; ideally with an additional training component some three to six months after commissioning;</p> <p>Assistance to MoHP operation and maintenance training units in addition to what has to be provided by the supplier;</p> <p>Provide evaluation of training courses;</p> <p>Provide monitoring of the knowledge level and awareness of trained people before and after training.</p>
December 2018	Cairo	Department of Occupational & Environmental Medicine Belgian Center of Occupational Hygiene – BeCOH Workers Health Without Borders	Consultant	<p>Assist with Training of staff member of the Department on air monitoring of dust</p> <ul style="list-style-type: none"> - Designer, developer and organizer of sustainable health and environment of pottery craft at Al-Fawakheer Area in Misr EL-Kadima District (2019) - Assist with Air Monitoring at selected sites ^[1]_{[5][6]}
February 2018	Cairo	Department of Occupational &	Consultant	- Designer, developer and organizer of sustainable health and environment of Arab Abo Saed brick kilns area

Date from - to	Location	Company	Position	Description
		Environmental Medicine Belgian Center of Occupational Hygiene – BeCOH Workers Health Without Borders		- Assist with Air Monitoring at selected sites
April 2018	December 2018	Chemonics-Egypt, UNDP, GEF, and EEAA	Consultant & chief Trainer	Training of trainers and health care training in 4 governorates in health care waste management. <ul style="list-style-type: none"> • Training modules to be used as a resource to improve HCWM in Egypt include: <ul style="list-style-type: none"> ○ Training of Trainers (ToT) on developed specific modules in accordance with the Global Environment Facility (GEF) training modules. ○ Training of the five model HCFs' concerned staff on the specific modules as well as on the policy, plan and guidelines.
3-5 October 2017	Cairo	Arab Labour Organization-ALO, the Arab Institute for Occupational Health and Safety, WHO-EMRO CEHA, ILO- Regional Office at Beirut	Consultant	Preparation of updated comprehensive reference guidelines on Occupational Exposure Limits, including TLVs, BEIs, IDLH, Substances of Imminent Environmental Episodes. The guidelines, as an essential platform, serve concerned agencies in different Arab countries on the field of occupational health and safety, as well as establishing policy and procedures related to work place environmental surveillance.
2016 - 2019	Cairo	Cairo University	Member	Promotion committee for the degree of assistant professor and professor of Occupational and Environmental health and Public Health
March 2017 – May 2017	Cairo	Cairo University Hospitals	Consultant and Chief trainer	Training program on Infection Control
May 2016	USA (Baltimore)	AIHA	Presenter	Speaker/Presentation on child labour
February 2016	Egypt	Arab Labor Organisation	Consultant and Chief trainer	Training on physical hazards
January 2016	Qatar	Arab Labor Organisation	Consultant and Chief trainer	Training Labor inspectors
November 2015	Algeria	Arab Labor Organisation	Consultant and Chief trainer	Workshop on Occupational Safety and Health in Healthcare facilities
October 2015	UAE - Dubai	WHO	Consultant and Chief trainer	Brain storming workshop on strengthening Occupational Health and safety services
October 2014 – June 2015	Egypt	GIZ and EEAA-National Solid Waste Management Project (NSWMP)	Consultant and Chief trainer	Assist Ministry of Environment (MoE) /EEAA in providing the Ministry of Health, Ministry of Higher Education with tools and increased capacity to improve operations and safety standards for medical waste treatment. This includes compiling a manual for medical waste and delivering a training of trainers on this specific manual to up to 40 participants, split into 2 groups.
December 2013	Doha – State of Qatar	WHO	Consultant	WHO & GCC Meeting on Occupational and Environmental Health Standards for accreditation of Health care Facilities
October 2012	Thailand	ILO	Expert	Workshop on child labor in brick kilns (Safety and Health)

Date from - to	Location	Company	Position	Description
September 2012*	Cairo University Hospital	B. Braun Company- Germany	Consultant	Training of Healthcare Workers on Needle-stick Injury prevention
April 2012 – December 2012*	Egypt	WHO	consultant	<ul style="list-style-type: none"> - Serve as a resource and consultant to the region - Continue to support the implementation efforts and provide an update report on progress on the goals of participants from the Protecting health worker -- preventing needle-stick injuries Training of Trainers held in July 2010 at Cairo University Hospital including progress on national policy and implementation of hepatitis B immunization of health workers, and surveillance report of sharps injuries and follow-up. - Assist in the planning for a protecting health workers training of trainers in UAE in collaboration with the university in the process of designation to be a WHO Collaborating Center in Occupational Health - Prepare a 400 word narrative for the good practice example from Cairo University Hospital protecting health workers. - Participate in the Review and editing of the WHO good practices for occupational health of health workers guide. - Develop a PowerPoint presentation on good practices with speaker notes so others can give the same presentation - Translate rapid assessment tool into Arabic. - Prepare a report and case study on the process of immunizing health workers against hepatitis B at CUH: who was involved, how vaccine was procured, how it was administered, system for follow-up for all with doses of vaccine, - Training and education outline of staff.
24 -25 June 2012	Egypt	University of Maryland	Speaker	International conference on Occupational injuries
15 July 2012	Egypt	EcoConserv (Egypt) Environ (UK)	consultant	Audit EgyTrans Company
26 – 27 June 2012	Egypt	Cairo University	Trainer	Training of labor inspectors on Occupational and environmental Medical Practices at Health Care Facilities
March 2012 16 – 23 March 2012	Cancun - Mexico	I3th International congress for Occupational Health (ICOH)	Speaker	Protecting health workers from biological hazards: Success stories and good practices
March 2012	Egypt	EcoConserv	Experts	<ul style="list-style-type: none"> □ Review the pre-audit questionnaire of a facility in 6th of October city and update it to make it relevant to Egyptian laws and standards □ Conduct the site visit and EHS audit with a representative from the client company
November 2011 - 2013	Egypt	WHO	Experts	<ol style="list-style-type: none"> 1. to conduct a desk review of the available occupational health standards in accreditation systems of hospitals and other health care facilities; 2. to design a rapid survey questionnaire to be sent to the countries of the EMR to collect data and information related availability of occupational health standards in the accreditation systems and in practice; 3. to conduct a situation analysis based on the above-mentioned tasks; 4. to prepare a draft regional guidelines on suggested/recommended (critical, core and non-core) occupational health standards in accrediting hospitals and other health care facilities; and 5. to provide full report (electronic & hard versions) on the work done.
September 2011	Brunnen (Switzerland)	ESCMID-SHEA	Trainees	Training course in Hospital Epidemiology
July 2011	Netherlands	WHO	Experts	<p>Consultative meeting for the development of tools to measure and monitor TB incidence and prevalence in Health Care Workers (HCWs)</p> <p>MEETING OBJECTIVES</p> <p>Prior to this meeting, we performed a collection of existing tools for measuring TB incidence and prevalence among HCWs, used by researchers, institutions and/or countries.</p> <p><i>The objectives of the meeting are:</i></p> <p>For both guides:</p> <ul style="list-style-type: none"> _ To review the collected tools; _ To exchange ideas and lessons learned from experiences with measuring TB among HCWs; _ To define chapters and scope for each chapter in the generic guideline;

Date from - to	Location	Company	Position	Description
				<p>_ To determine the purpose and methodology of field visits (planned for next USAID fiscal year, after October 2011).</p> <p>For the TB incidence guide:</p> <p>_ To identify factors related to occupational health and surveillance which may impede successful implementation of a staff TB data notification system. and/or risk assessment system.</p> <p>For the TB prevalence guide:</p> <p>_ To assess how a prevalence survey among HCW differs from a nationwide prevalence survey (lime book);</p> <p>_ To define crucial scientific research methods/limitations in the generic guidelines.</p>
May 2011	Egypt	Swiss government SECO – the State Secretary of Economic Affairs	Experts	Evaluation of the 2 nd Phase of the Project for the Upgrading of Radiology Services at the Hospitals of the Ministry of Health
April 2011*	Kuwait	WHO	Consultant & trainers	Regional Training Workshop on Protecting Health Care Workers (TOT)
December 2010 to April 2011	Cairo	CUH	Trainers	Training Infection control nurses and doctors
July 2010 till December 2010*	Egypt	WHO	Consultant	<p>Coordinate the Protecting health workers – preventing exposure to bloodborne pathogens project in Egypt.</p> <p>Plan agenda, organize and implement Conference and Training of Trainers on Protecting health workers – preventing needlestick injuries in collaboration with WHO, US NIOSH and the International Healthcare Worker Safety Center at the University of Virginia—Charlottesville, USA</p> <p>Prepare report #1 of Workshop with list of participants and summary of action plans with timeline for implementations.</p> <p>Conduct baseline assessment for Cairo University Hospital to include anonymous survey of reporting of exposures, baseline number and rate of needle stick injuries, hepatitis B immunization coverage, hand hygiene proportion of staff samples who complete hand hygiene before and after patient contact, location and material of sharps boxes, percentage recapping.</p> <p>Provide support and follow-up to participants from CUH and focal points from the other hospitals who participated in the project initiation conference. Follow-up will include monthly (at least) contact by email and/or telephone to determine progress on goals, support the implementation of trainers to organize local workshops in their settings, and assess needs for additional technical assistance and provide links to technical assistance determined in follow-up.</p> <p>Translate 5 mini presentations into Arabic language for review and approval by WHO.</p> <p>Prepare report #2 of 10 week progress on goals and summary of lessons learned and best practices from the project</p> <p>Support the implementation of EPINet at Cairo University Hospitals, develop a network of users and prepare report #3 with summary of experience with implementation of EPINet and EPINet report on first 3 months of blood exposure report</p>
25/9/2010 to 30/10/2010	Egypt	Swiss government SECO – the State Secretary of Economic Affairs	Experts	<ul style="list-style-type: none"> ▪ Investigation of the present experiences with the operation of two hospital waste incinerators at the Cairo University Hospital in respect to: <ul style="list-style-type: none"> ○ Technical layout ○ Mode of operation ○ Environmental standards met ○ Investment cost ○ Operation costs ○ Economic viability ○ Man power and training requirements ○ Obstacles and problems of the present operation. ▪ Review of the existing management of waste within the hospitals in the model governorates in respect to: ▪ Standard of waste segregation, inner hospital transport and

Date from - to	Location	Company	Position	Description
				<p>intermediate storage, present incineration capacity</p> <ul style="list-style-type: none"> ▪ Need for upgrading the system in particular regarding training and equipment ▪ Calculation of present waste generation in the model governorates including a forecast until 2020 and the potential to minimise waste due to better waste management practice.
July 2010	Egypt	Cairo University Hospitals / World Health Organization	Trainers & organizer	<p>Preparation of the training at Cairo University Hospital Occupational Health and the WHO Protecting health workers -- preventing needlestick injuries project in Egypt</p> <p><u>Outputs</u></p> <ol style="list-style-type: none"> 1) Organize and conduct training course (Three days training outline and agenda), including a field visit to Cairo University (Emergency, surgical department, laboratory and operative room) 2) Collect feedback from trainees and produce an evaluation report of the experiences and recommendations for future training. It included a summary of the training material in the form of an information sheet, in English. <ul style="list-style-type: none"> - General remarks of the course, The evaluation took place at four main items: <ol style="list-style-type: none"> A. Training topics, B. Training affairs, C. Training Evaluation, and D. Other comments - Overall assessment of the course - Remarks and Recommendations to the course by the participants 3) Translate information sheet into Arabic. <ul style="list-style-type: none"> ▪ The deliverables included the following documents: <ul style="list-style-type: none"> ○ Evaluation of existing course contents and draft contents of course. ○ Training material in English ○ Implementation of course ○ Editing of the final report and draft information sheet ○ Finalizing the information sheet
July 2010	Geneva / Switzerland	WHO	Experts	<p>Joint ILO/WHO Tripartite meeting on Occupational Health of Health Workers:</p> <p>The objective of the experts meeting</p> <ul style="list-style-type: none"> ● Establish a global framework for national occupational health programmes for health workers to provide countries with guidance on setting national and health workplace policies. ● Further develop two practical tools that will support the implementation of the global framework by protecting health workers from occupational hazards and improving their working conditions. <ul style="list-style-type: none"> ○ Conduct a tripartite review and endorse the joint WHO-ILO policy guidelines for health worker access to HIV and TB prevention, treatment and care services; discuss implementation steps and roles for WHO, ILO, social partners (employers' organizations and trade unions) and other related organizations (PPE, GHWA, etc); and map out implementation funding strategies. ○ Advance the working draft Health-WISE tool to incorporate technical input from experts in working conditions and hazards in the health sector, with a special emphasis on maternity services.
April 2010	Pakistan	Ecoconserv	Consultant	OSH Audit Karachi Electric supply and distribution Cooperation
December 2009	Qatar	WHO	Consultant	Occupational and Environmental Health Standards for Accrediting Hospitals and other Health Care Facilities, Sub-regional workshop at GCC level
November 2009 onward	Egypt	Ecoconserv	Consultant	OSH Audit (Framework Environmental and Social Assessment for Egypt Vehicle Scrapping and Recycling Program (2009)
October 2009	Egypt	CUH		Organizing the Health Care Risk Waste Management Conference
May 2009	Egypt	International Labour	Consultant	Preparation of the training Workshop for doctors (HIV, TB and Sexual Transmitted Infection – 2009). <u>Outputs:</u>

Date from - to	Location	Company	Position	Description
		Organization		<ol style="list-style-type: none"> 1) Organize and conduct training course (four day training outline and agenda). 2) Collect feedback from trainees and produce an evaluation report of the experiences and recommendations for future training. It included a summary of the training material in the form of an information sheet, in English. <ul style="list-style-type: none"> - General remarks of the course, The evaluation took place at four main items: <ol style="list-style-type: none"> A. Training topics, B. Training affairs, C. Training Evaluation, and D. Other comments - Overall assessment of the course - Remarks and Recommendations to the course by the participants <ol style="list-style-type: none"> 3) Translate information sheet into Arabic. <p>The deliverables included the following documents:</p> <ul style="list-style-type: none"> ▪ Evaluation of existing course contents and draft contents of course. ▪ Training material in Arabic ▪ Implementation of course ▪ Editing of the final report and draft information sheet ▪ Finalizing and translation of information sheet
December 2008*	Syria	ILO/WHO	Consultant	<p>Training program on: Protecting Health workers in healthcare facilities</p> <ul style="list-style-type: none"> Preparation of the course Conducting the training Evaluation of the course
Dec 2007- May 2008*	Egypt	International Labour Organization	Consultant	<p>Preparation of the training Course in Construction sector. <u>Outputs</u></p> <ol style="list-style-type: none"> 1) Organize and conduct training course (four day training outline and agenda), including a field visit to a construction site (Underground Metro at Abassia) 2) Collect feedback from trainees and produce an evaluation report of the experiences and recommendations for future training. It included a summary of the training material in the form of an information sheet, in English. 3) General remarks of the course, The evaluation took place at the following main items: Training topics; Training affairs; Training Evaluation; and Other comments <ul style="list-style-type: none"> - Overall assessment of the course - Remarks and Recommendations to the course by the participants <ol style="list-style-type: none"> 4) Translate information sheet into Arabic.
April –Dec 2007	Egypt	Integrated Development / Consultants, IDC EMG/component Danida/EEAA	Trainers	Health Care Waste Management Training in Aswan Governorates
March – Dec 2007	Egypt	Ministry of Health and population	Trainers	Health Care Waste Management Training in many Governorates (Cairo, Guiza, Fayoum, Beni-Suef, Ismailia and Port Said)
January- Dec 2007	Egypt	Cairo University Hospitals	Lead researchers	A base line survey of the prevalence of Tuberculosis in Healthcare workers
May 2007	Egypt	Integrated Development Consultants, / IDC SDEM- /component Danida/EEAA	Trainers	Training on Environmental Inspection of Health Facilities. the objective of the assignment is to deliver a training course for 20 officer from Egyptian Environmental Affairs Agency EEAA on Health Facilities Environmental Inspections
2007	Egypt	Ministry of Manpower	Consultant	Training health care workers of Ministry of Health and Population on Health Care Waste Management (several Egyptian Governorate)
July 2006- December 2007	Qena and Suez, Egypt	Integrated Development Consultants (IDC), Ministry of Health and Population MoHP, African Development Bank (ADB)	Consultant/ Environmental and Hazardous Waste Expert	<p>Public Health Issues' Consultancy Project of the Health Sector Reform Program at the MoHP including 4 specialities (Monitoring and Evaluation, Human Resources, Information, Education and Communication, and Environmental Indoors and HCWM). Specific assignments of the project included:</p> <ul style="list-style-type: none"> ▪ Conduct field visits, meeting with local counterparts (Shadow Group, TST, .etc.), etc. ▪ Develop, discuss and test tools for Environmental Indoors and Health Care Waste Management (HCWM), ▪ Develop progress reports (monthly and quarterly) of Env Indoors and

Date from - to	Location	Company	Position	Description
				HCWM, <ul style="list-style-type: none"> Train the selected personnel representing the counterparts on needed skills for Env Indoors and HCWM. Coordinate between the Env Indoors and HCWM team members. Coordinate cross-cutting activities with the relevant Specialists in other tasks/ components.
2006	Egypt	National Research Centre	Team Leaders	Training on Health Care Waste Management
2006*	Egypt	WHO/EMRO		National workshop on Protecting Health Care Workers Preventing Needlestick Injuries
2006*	Bahrain	Arab League		Safety and Health of Health Care Workers
June-October 2004-2005	Cairo, Egypt	World Health Organization	Team Leader/ Environmental Consultant	Design, execute and supervise a training program on: "Environmental, Health and Social Aspects of Employment of Young Workers at Al-Fawakheer Area Present in old Cairo Region", sponsored by the East Mediterranean Regional Office for the World Health Organization (EMRO- WHO) during March 2004. Design, execute and supervise a field study on: "Environmental and Occupational Health Influences on Children and Young Subjects Working on Clay-Hand Crafts at Al-Fawakheer Area Present in Old Cairo Region", sponsored by the East Mediterranean Regional Office for the World Health Organization (EMRO- WHO) during 2004 - 2005
October-December 2005	Egypt	World Health Organization	Team Leader/ Environmental Consultant	Report on Response of the Member States to the WHO-EMRO Questionnaire on Global Strategy for Occupational Health for All, sponsored by the East Mediterranean Regional Office for the World Health Organization (EMRO- WHO) 2005.
2004*	Egypt	El-Borg Laboratories	Consultant and Lead Trainer	Engaged in designing, provision and assessment of several courses on Occupational Safety and Health at El-Borg Laboratory (once yearly), as well as in a group of privately owned companies and institutions, since 1992.
October 2003 Now	Egypt	Kasr El-Aini Faculty of Medicine (Cairo University)	Professor of Occupational Medicine, Kasr El Aini Faculty of Medicine, Cairo University	Has the following responsibilities: <ul style="list-style-type: none"> Lecturing both graduate and postgraduate students on various topics of Occupational and Environmental Medicine. Carrying out the research projects concerning health hazards of different occupational and environmental exposures in various economic activities. Suggesting themes and protocols for new researches, as well as supervising M.D., Ph.D. and M.Sc. theses.
December 1999 March 2002*	Egypt;	Kasr El-Aini Hospitals DANIDA (Denmark) and IDC (Egypt)	Consultant and Trainer	- Provided technical assistance in hazardous waste management. - Followed the implementation of Health Care Waste Management System at Cairo University Hospitals. - Provided a number of training courses and awareness programs.
2000*	Egypt	NIOSH	Consultant and Lead Researcher	Engaged in designing, provision and assessment of several courses on "Occupational Health and Safety and Environment", held at the National Institute for Occupational safety and Health (NIOSH - Egypt),
1999 – till now*	Egypt	Cairo University Hospitals (CUH)	Board member and Consultant	- Board member at the "Special Economic Unit Concerned with Hazardous Waste Treatment at CUH" then deputy manager and now Manager of The Unit - Member of Occupational Safety and Health and Environment Committee - Active committee member of Infection Control Program and Radiation Protection Committee at the CUH. In this respect, she participated in establishing a radiation protection program at CUH, preparing and issuing a group of guidelines, codes of practice and training modules dealing with infection control procedures in health care facilities, waste management. Design, execute and supervise a training program on Health Care Waste Management at Cairo University Hospital carried monthly for health care workers

28. Research Project

Project	Beneficiary	Period		Funding Agent	Fund amount	Role	Reference
		Start	End				
Health Hazards due to Auto-exhaust in Greater Cairo City	Department of Industrial Medicine and Occupational Health at Cairo University Faculty	January 1984	November 1986	Academy of Scientific Research and Technology	240,000	Research Team Member	Prof. Ahmed Mohamed Emara

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		Start	End				
	of Medicine, Traffic Dep. at Ministry of Interior, and Health Insurance Organization						
Pesticide Intoxication in Egypt	Department of Industrial Medicine and Occupational Health at Cairo University Faculty of Medicine, Ministry of Agriculture, and Health Insurance Organization	March 1987	June 1994	Canadian International Development and Research Centre	1.3 million	Research Team Leader	Prof. Mahmoud Mohamed Amr
Evaluation of Environmental and Health Hazards of Mining Processes in Egypt.	Ministry of Manpower and training, Ministry of Industry, and the National Institute for Occupational Safety and Health- Cairo, Egypt.	July, 1985	December 1987	The Egyptian National Institute for Occupational Safety and Health.	450,000	Research Team Leader	Mrs. Magda Ahmed Yassin
Evaluation of Environmental and Health Hazards of Primary Aluminum Industry in Egypt	Misr Aluminum Company at Nagaa Hammady and Department of Industrial Medicine and Occupational Health at Cairo University Faculty of Medicine	January 1992	December 1994	Misr Aluminum Company at Nagaa Hammady.	2.2 million	Research Team Leader	Prof. Mahmoud Mohamed Amr
Epidemiology of Occupational Accidents in Egypt	Department of Industrial Medicine and Occupational Health at Cairo University Faculty of Medicine, Ministry of Health, and Health Insurance Organization	July 1996	October 1998	Academy of Scientific Research and Technology	280,000	Research Team Leader	Prof. Ahmed Mohamed Emara
Evaluation of Health and Environmental Impacts due to Chronic Exposure to PVC Manufacturing Products in a Chemical Plant	Ministry of Manpower and training, Ministry of Industry, and the National Institute for Occupational Safety and Health- Cairo, Egypt.	July, 2001	October, 2001	National Institute for Occupational Safety and Health- Heliopolis, Cairo	105,000	Project Director	Mrs. Magda Ahmed Yassin
Evaluation of Health Impacts due to Magnetic Pollution in Electric Power Generating and Distributing Plants,	Ministry of Manpower and training, Ministry of Electricity and Energy Resources, and the National Institute for Occupational Safety and Health- Cairo, Egypt.	October, 2001	December, 2001	National Institute for Occupational Safety and Health- Heliopolis, Cairo	50,000	Project Director	Mrs. Magda Ahmed Yassin
Development of district health plans in Quena and Suez Governorates at Egypt.	Ministry of Health and Population- Egypt,	March 2003	September 2003	The African Bank of Development, the Integrated Development Consultants- Egypt, and the IHDG- Denmark	335,000	Research Team Leader	Dr. Mahmoud Hussein Ahmed
Evaluation of Occupational Health and Safety services in Eastern Mediterranean countries and	The Eastern Mediterranean Countries.	April 2005	December 2005	The Eastern Mediterranean Regional Office- EMRO of the World Health	220,000	Project Manager	Prof. Said Arnaout

Project	Beneficiary	Period		Funding Agent	Fund amount	Role	Reference
		Start	End				
suggest a regional action plan according to WHO global strategies for Decent work for all by 2010				Organization - WHO			
Family Health Physicians' Training Programmes at Alexandria, Menoufia, Qena and Sohag Governorates	The Egyptian Ministry of Health and Population, and the Health Sector Reform Program, Integrated Development Consultants- IDC- Egypt.	June 2006	December 2006	The EU Funding Agency	8.5 million	Project Manager	Dr. Mahmoud Hussein Ahmed
Evaluation of health status of children working in Pottery making area at old Cairo district and suggest Occupation and Health Safety program for them	The Eastern Mediterranean Regional Office- EMRO of the World Health Organization – WHO.	July 2006	December 2006	The Eastern Mediterranean Regional Office- EMRO of the World Health Organization - WHO	45,000	Research Team Leader	Prof. Said Arnaout
Public Health Issues' Consultancy Project including 4 specialties: Monitoring and Evaluation, Human Resources, Information, Education and Communication, and Environmental Indoors and HCWM	The Health Sector Reform Program at the Ministry of Health and Population, and Integrated Development Consultants- IDC- Egypt.	February 2006	March 2007	The African Bank for Development - ABD	1.1 million	Project Manager	Dr. Mahmoud Hussein Ahmed
Health Care Waste Management Training in Aswan and Beni Suef Governorates	Directorates of Health at Aswan and Beni Suef Governorates, the Egyptian Environment Affairs Agency- EEAA and Integrated Development Consultants– IDC	March 2007	June 2007	the Egyptian Environment Affairs Agency- EEAA	150,000	Project manager	Dr. Mahmoud Hussein Ahmed
Preparation of Occupational Health and Environmental Health Accreditation Standards for Hospitals and Healthcare Facilities	The Ministry of Health at each of the member states of the Gulf Cooperation Council- GCC	April 2012	November 2012	The Eastern Mediterranean Regional Office- EMRO of the World Health Organization - WHO	180,000	Project Manager	Prof. Said Arnaout