

AMIRA ABDELRAHEEM

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JOB RESPONSIBILITIES

Alexandria University, High Institute of Public Health **Current**
Executive manager of Occupational Health and Air Pollution Research Unit

Alexandria University, High Institute of Public Health **Current**
Lecturer, Occupational Health and Air Pollution

Participated in delivering the following postgraduate courses for diploma, master, and doctorate degrees:

Fall 2020

Accident Investigation and Analysis in work environment

Workplace Inspection

Applied Occupational Hygiene Training

Updates in Occupational Hygiene and Air Pollution

Advanced Occupational Risk Assessment and Management Techniques

Alexandria University, High Institute of Public Health **June 2007 to September 2013**
Demonstrator, Occupational Health and Air Pollution

Participated in delivering the practical part of the following postgraduate courses for diploma (professional and academic) degree:

Physical Hazards in Workplace,

Chemical Hazards in Workplace,

Occupational Health and safety,

Applied occupational health and safety training

Occupational health and safety survey.

Alexandria University, Faculty of Engineering **June 2007 to June 2012**
Demonstrator,

Chemical engineering department, and

Special Scientific Programs "Gas and Petrochemicals engineering".

Participated in delivering the practical part of the following courses.

Organic and Inorganic Chemistry and Industrial safety

EDUCATION

- PhD** Egypt-Japan University for Science and Technology, Chemicals and Petrochemicals Engineering. February 2019
Dissertation: Innovative air filters made of nano-structured polyaniline and its nanocomposites for gaseous air pollution control.
Committee: Professor Dr. Ahmed Elshazly
Professor Dr. Sherif Kandil
Professor Dr. Marwa Elkady
Professor Dr. Fadia Ahmed
- MSc** Alexandria University, High Institute of Public Health August 2013
Occupational health and air pollution
Thesis: Activated carbon preparation from rice straw and its use in the removal of nitrogen oxides.
Advisor: Professor Dr. Kamal Knowier
Professor Dr. Adel Zakaria
Professor Dr. Gehan Raafat
- BS** Alexandria University, Faculty of Engineering June 2007
Chemical Engineering.

TEACHING EXPERIENCE

- Alexandria University**, High Institute of Public Health June 2019 till now
Lecturer, Occupational Health and Air Pollution
Taught the following Postgraduate courses
Principles of occupational health and air pollution
Control of occupational hazards
Occupational health survey
Applied Occupational hygiene training
Occupational Health and safety
Principles of Occupational Risk Assessment
Accident investigation
Workplace inspection
Atmospheric Sampling and Analysis of Air Pollutants
Air Pollution Control Program
Updates in Occupational Hygiene and Air Pollution
Doctoral Students Advised

Iman Mohamed Ahmed Abdelatif, "Risk assessment of indoor air quality of public hospitals in Alexandria, Egypt". HIPH, Alexandria University.

Mohamed Abdlsalam Abolassad Alhodauri, "Effectiveness of Hazards Communication Program on Improvement of Emergency Preparedness in Post Graduate Institutes of Alexandria University". HIPH, Alexandria University.

Sherine Mohamed Younes Hegazy, "Prediction of accident factors in certified and uncertified construction sites". HIPH, Alexandria University.

Shimaa Mohamed amin Hassan, "Effect of an educational intervention about occupational safety on knowledge and practices of male students in technical mechanical secondary schools in El-behira governorate". Faculty of Nursing, Damnhur University

Masters Students Advised

Shimaa zaki Mahmoud, "Comparative study of safety climate between accredited and non-accredited hospitals". HIPH, Alexandria University.

Nada Elbehiry, "nanofilter for air benzene removal". Faculty of Engineering, Alexandria University.

Aml Hamdy Ibraheem. "knowledge and preventive practices of occupational hazards among extracted oils and soap industry in Alexandria". Faculty of Nursing, Damanhur University.

PUBLICATIONS

Journal Publications

Shaimaa Mohammed Amin, Mariam haggag soliman, Abeer Abdel Aziz Madian, Amira Abdelraheem Mohamed Ali, " Effect Of An Educational Intervention About Occupational Safety On Knowledge And Practices Of Male Students In Technical Mechanical Secondary Schools In El-Behira Governorate" Journal of Health, Medicine and Nursing. (Accepted, September 2020)

Amira Abdelraheem, Ahmed Hasan Elshazly, Marwa Farouk Elkady "Comparable investigation of polyaniline behavior towards gaseous ammonia and toluene adsorption" Environmental science and pollution research journal,2019.

Amira Abdelraheem, Ahmed Hasan Elshazly, Marwa Farouk Elkady "Characterization of Atypical Polyaniline nano-structures prepared via advanced techniques" Alexandria Engineering journal, 2018.

Amira Abdelraheem, Ahmed Hasan Elshazly, Marwa Farouk Elkady “Synthesis and characterization of intercalated polyaniline-clay nanocomposite using supercritical CO₂” AIP Conference Proceedings 1968, 020027 (2018).

Amira Abdelraheem, Ahmed Elshazly, Marwa Farouk Elkady “Nanofiber Polyaniline and Polyaniline-clay Nanocomposite Prepared via Sonochemical and Sol-gel Techniques” Materials Science Forum, Vol. 860, pp 12-16, 7/2016.

INTERNATIONAL CONFERENCES

ALEX HEALTH 2012 International Conference of Alex Health October 22- 23, 2012. Alexandria, Egypt. Paper title: The Role of Heating Ventilation Air Conditioning in Health Care Facilities

ALEX HEALTH 2014 International Conference of Alex Health, October 22- 23, 2014. Alexandria, Egypt. Paper title: Activated carbon production from rice straw and its experimental application in the catalytic removal of nitrogen dioxide.

ICCMME 2016 International Conference on Composite Materials and Material Engineering, March 9-11, 2016. Bangkok, Thailand. Paper title: Nanofiber Polyaniline and Polyaniline-clay Nanocomposite Prepared via Sonochemical and Sol-gel Techniques

ICCEEE 2017 The first International Conference of Chemical, Energy and Environmental Engineering, March 19-21, 2017. Alexandria, Egypt. Paper title: characterization of atypical polyaniline nano-structures prepared via advanced techniques

PROFESSIONAL EXPERIENCE

Occupational health and air pollution research unit, HIPH-Alexandria University.

Member of the executive board of directors.

Carrying out the Environmental impact assessment and periodical monitoring, sampling and detection programs of air pollutants and detection many different Egyptian plants:

Egyptian Liquefied Natural Gas,

WEBCO company

Al ameria for petroleum refining,

Alexandria Cement plant,

Abo Quer Fertilizer plants

Occupational health and safety committee, HIPH-Alexandria University.

Acting Member

Supervising the occupational health and safety records and develop and improve the emergency plan annually agreeing with any the unaccustomed circumstances.

Measurement and assessment unit, HIPH-Alexandria University.

Acting Member

Responsible for managing the postgraduate courses questions banks for electronic exams development.

HONORS AND AWARDS

Certificate of appreciation and outstanding efforts 2012, 2013, 2014
HIPH, Alexandria University

Higher education ministry Grant 2015
Fully funded doctorate degree majoring chemical and petrochemical engineering from Egypt
Japan University of science and technology.

Certificate of appreciation 2019
Arab Academy for science and technology and maritime - international environment day
celebration

PRESENTATIONS AND INVITED LECTURES

Workshop, “Emergency planning” HIPH Alexandria University, July 2019.

Workshop, “Laboratory safety” HIPH Alexandria University, October 2019.

Workshop, “Nanotechnology for Air pollution control” International environment day
celebration- Engineering Syndicate- August 2019.

COMMUNITY SERVICE

World Health Organization “WHO”
Participation in the vaccination coverage campaigns [Alexandria and Elbehira governorates],
Feb. 2013

High institute of public health
Participating in organizing the annual international conference of the HIPH (ALEX HEALTH
2012-2014).

LANGUAGES

Arabic: Native Language

English: Upper Intermediate Listener and Speaker, Advanced Reading and Writing
(IELTS 6.5).

SKILLS

Scientific Skills:

UV-VIS spectrophotometer, XRD, FTIR, SEM, TEM, BET, MIRAN gas analyzer, stack analyzer, physical hazards monitoring devices (heat stress monitor, sound level meter, etc.) and air pollutants sampling and analysis techniques

Workshops and trainings:

OSHA (general and construction)

Risk Assessment

Fire

Presentation skills

Quality standards in teaching

International publishing of research

Research ethics

Competitive research projects

Technical Skills: Proficient in Microsoft Office and Statistical Packaging for social science (SPSS)

Platforms: Google classroom, Moodle.

REFERENCES

It will be available upon request.