



Full name: Manna Maodah Alwadei

Position: Assistant professor

Personal Data

Nationality | Saudi

Date of Birth | 10/03/1983

Department | Environmental Health Department

Official IAU Email | malwadei@iau.edu.sa

Office Phone No. | +96633335238

Language Proficiency

Language	Read	Write	Speak
Arabic	√	√	√
English	√	√	√

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
2021	PhD- Atmospheric Science and Air Pollution	University of Birmingham	Birmingham- United Kingdom
2015	Master of Science – Environmental Science	University of Colorado- Denver	Colorado- United States
2011	Bachelor of science- Environmental Health	University of Dammam	Dammam-Saudi Arabia

PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

PhD Dissertation	Air Pollution Climatology of Particulate Matter in Dammam, Saudi Arabia: Composition, Sources & Toxicity
-------------------------	--

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work	Date
Assistant professor	IAU University – College of Public Health	06/2022
Lecturer	IAU University – College of Public Health	12/05/2016
Demonstrator	IAU University – College of Applied Medical Sciences	04/12/2011



Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Fundamentals of Air Quality	OHS207	Course Instructor
2	Research Methodology	HIMT 325	Course Instructor
3	Management in Health Care Org	HIMT 424R	Course Instructor
4	Occupational Toxicology	OHS 221	Course Instructor
5	Graduation project	PUBH 413	Course Instructor
6	Air contaminants measurement and control	OHS213	Course Instructor
7	Indoor Air Quality	OHS 306	Course Instructor
8	Critical Thinking and Problem Solving	LRSK 106	Course Instructor

Postgraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Air quality and Control	ENVH 604	Course Instructor
2	Indoor air quality	ENVH 607	Course Instructor

Brief Description of Undergraduate Courses Taught: (Course Title – Code: Description)

Fundamentals of Air Quality	ENVH221	The foundations and principles of air quality and its importance in protecting the human environment
Research Methodology	HIMT 325	The fundamentals principle of research methodology
Management in Health Care Org	HIMT 424R	introduction to the principles of health information management and technology
Occupational Toxicology	OSH 221	Understanding hazardous and risk assessment in the workplace
Graduation Project	PUBH 413	Researches in selected topic which include practical and field work
Air contaminants measurement and control	OHS 213	The course explores the governmental regulations, emission standards, air-quality standards, processes, and equipment for controlling emissions. It explains the basic guidelines for air quality control measures for mobile and stationary sources of air pollution including effective actions, strategic plans, replacing sources with environmentally friendly materials, and using of control equipment and tools.
Indoor Air Quality	OHS 306	The course will provide students with a good understanding of indoor air pollution sources, indoor pollutant levels, monitoring instruments and designs; indoor pollution control strategies



Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)

1	Microsoft applications
2	SPSS Software for statistical analysis
3	Esri GIS (ArcMap) Software for mapping and spatial analysis
4	R- Software for statistical analysis, including OpenAir package
5	PMF, a software that is used to estimate sources of particulate matter