



Full name: Mohamed Elfatih Hassan Ahmed

Position: Assistant professor

Personal Data

Nationality | **Sudanese**

Date of Birth | **18/11/1981**

Department | **public health**

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Language Proficiency

Language	Read	Write	Speak
Arabic	Excellent	Excellent	Excellent
English	Excellent	Excellent	Excellent
Chinese	Fair	Fair	Fair

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
2017	Post doctorate wastewater treatment	China	Huazhong University, Wuhan, China.
2015	Ph.D. in Environmental engineering (wastewater treatment)	China	Huazhong University, Wuhan, China.
2010	M.Sc. in Toxicology	Sudan	University of Gezira, Sudan.
2004	B.Sc. in Agricultural sciences (Pesticides and toxicology)	Sudan	University of Gezira, Sudan.

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

Post doc.	Using of Nanotechnology for wastewater treatment
Ph.D.	Improve photocatalytic properties of Titanium dioxide for wastewater treatment".
M.Sc.	"Sugar Industry as a Source of Pollution: A Case Study Elgunaid Sugar Factory (1963 – 2010) Gezira State, Sudan"

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work		Date
Assistant professor	Saudi Arabia	College of public health- Dep. Of public health	Imam Abdulrahman Bin Faisal University 2017- up to date



Post Doc.	Wuhan, China	College of Resources & Environment	Huazhong University	October 2015 - march 2017
Assistant professor	Sudan	Faculty of Agricultural Sciences, Dep. of Environmental Sciences and Natural Resources	University of Gezira	June 2015- September 2017
Lecturer	Sudan	Faculty of Agricultural Sciences, Dep. of Environmental Sciences and Natural Resources,	University of Gezira	December 2010- June 2015
Teaching Assistant	Sudan	Faculty of Agricultural Sciences, Dep. of Environmental Sciences and Natural Resources,	University of Gezira	June 2006- December 2010

Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
Academic advisor	College of public health, Dep. Of public health, Imam Abdelrahman Bin Faisal University	2017-up to date
Community services coordinator	College of public health, Dep. Of public health (MALE), Imam Abdelrahman Bin Faisal University	2019 – up to date
Coordinator of education and learning for DAD	College of public health, Imam Abdelrahman Bin Faisal University	2018 – up to date
practical and training coordinator	College of public health, Dep. Of public health, Imam Abdelrahman Bin Faisal University	2018- up to date
Academic advisor (Occupational health and safety track) MPH	College of public health, Dep. Of public health, Imam Abdelrahman Bin Faisal University	2019 – up to date
Administration supervisor	Faculty of Agricultural Sciences, University of Gezira-Sudan	November 2006 - October 2007

Scientific Achievements

Published Refereed Scientific Researches

(In Chronological Order Beginning with the Most Recent)

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	Mohamed Elfatih Hassan, Yanbo Chen, Guanglong Liu, Duanwei Zhu, Jianbo Cai	Heterogeneous photo-Fenton degradation of methyl orange by Fe ₂ O ₃ /TiO ₂ nanoparticles under visible light.	Journal of Water Process Engineering 12 (2016) 52–57



2	Mohamed Elfatih Hassan, Jing Chen, Guanglong Liu, Duanwei Zhu and Jianbo Cai	Enhanced Photocatalytic Degradation of Methyl Orange Dye under the Daylight Irradiation over CN-TiO ₂ Modified with OMS-2.	Materials (2014), 7, 8024-8036
3	Mohamed Elfatih Hassan, Longchao Cong, Guanglong Liu, Duanwei Zhu, Jianbo Cai	Synthesis and characterization of C-doped TiO ₂ thin films for visible-light-induced photocatalytic degradation of methyl orange.	Applied Surface Science 294 (2014) 89– 94
4	Mohamed Elfatih Hassan, bashir Nabil, Yousif Osman Assad	Sugar Industry as a Source of Pollution: A Case Study Elgunaid Sugar Factory	EC Pharmacology and Toxicology. October 10, 2017
5	Mamoun A. Homaida, Yassin Haran, Eltigani O.M. Omer, Mohamed Elfatih Hassan and Arafat M. Goja	Antimicrobial Activity of the Seed Extracts of Carthamus tinctorius, Moringa oleifera and Jatropha curcas on Pathogenic Bacteria	Pakistan Journal of Nutrition. December 2018
6	Eltigani OM Omer, Kawther Iesa Ahmed Elhag, Mohammed Elfatih, Arafat Goja	Physiochemical Quality of the Water Sources in Shendi Locality, River Nile state Sudan	American Journal of PharmTech Research October 2018
7	Mohamed Elfatih Hassan*, Guanglong Liu, Eltigani Osman Musa Omer Arafat M. Goja, Sadananda Acharya	Silver embedded C-TiO ₂ exhibits improved photocatalytic properties with potential application in waste water treatment	Arabian Journal of Chemistry December 2018
8	Xuguang Li & Abdelbaky Hossam Elgarhy & Mohamed Elfatih Hassan & Yanbo Chen & Guanglong Liu & Reham ElKorashey	Removal of inorganic and organic phosphorus compounds from aqueous solution by ferrihydrite decoration onto graphene	Environmental Monitoring Assessment (2020) 192: 410
9	Mubashir Zafar, Eltigani O.M. Omer, Mohamed Elfatih Hassan, Khalid A. Ansari	Association of sleep disorder with academic performance among medical students in Sudan	Russian Open Medical Journal 2020

Current Researches

#	Research Title	Name of Investigator(s)
1	Prevalence of obesity and overweight among the students of health science colleges in Imam Abdulrahman bin Faisal University	Omar Saleh Alnahdi, Majed Ahmed Alhujaylan, Mohamed Elfatih Hassan, Eltigani Omer
2	Gender- perspective in the analysis of the relationship between workhours, health and health related behavior in hospital workers, in Dammam, Saudi Arabia	Norah Sulaiman Alwohayib, Mohamed Elfatih Hassan



3	Hand Washing Knowledge and Practices Among Students in East Province Schools, Saudi Arabia	Munther Almuslim, Telal Alshihri, Mohamed Elfatih Hassan, Arwa Althumiri, Mohamed Aljassim, Mahmoud Bereka
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Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
	the 3 rd International Toxicology Symposium in Africa.	Lusaka, Zambia. 2011	Poster presentation
	The First African Congress on Pesticides and Toxicology Sciences	Wad Modani, Gezira State, Sudan 2008	Participant

Membership of Scientific and Professional Societies and Organizations

- The African Network for Chemical Analysis of Pesticides (ANCAP).
- Sudanese Environmental Protection Association- Gezira state- Sudan.

Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Ecology	ENVH213	Instructor (All of lectures &Tutorials)
2	Essentials of Environmental Health	PUBH224	Instructor (All of lectures &Tutorials)
3	Waste Management	PUBH315	Instructor (All of lectures &Tutorials)
4	Advanced Environmental Health	PUBH323	Instructor (All of lectures &Tutorials)
5	Contemporary Public Health Issues and Challenges	PUBH416	Instructor (All of lectures &Tutorials)
6	Graduation project	PUBH426	Instructor (Tutorials)
7	Research Methodology	CTECH 325	Instructor (All of lectures &Tutorials)
8	Research Methodology	PUBH414	Instructor (All of lectures &Tutorials)
9	Environmental Health sciences	PUBH603	Instructor (All of lectures &Tutorials)

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

1	Ecology (ENVH 213): Study for the different environments for animals and plants will be the core of the ecology course. Terrestrial and aquatic animals and plants environment will be explored as groups and focused on some mile stone species.
2	Essentials of Environmental Health (PUBH224) this course will cover the concepts of ecology and ecosystem , the environmental factors, environmental management, also will discuss the environmental health and Environmental hazards, the Principles Environmental Toxicology will also covered, the course will also discuss all kind of pollution, and introduction to Waste management.



3	Waste management course (PUBH315) will cover all aspects of municipal, hospitals and other hazardous waste including refuse generation, their sources, compositions and classification, Regulations and policy relevant to waste handling and management will also be discussed. The course will also discuss waste health and environmental risks and challenges and main principles of different techniques used for wastes handling and treatment.
4	Advanced Environmental Health (PUBH323) This course builds on essential environmental health course, exploring the interaction of methodological and policy issues surrounding the public health effects of climate change. The course discusses environmental issues including global climate change, ozone depletion, acid deposition, and deforestation. The public health response will be discussed with particular focus on global health issues. The course will emphasize a practical approach to vulnerability and risk assessment. The course develops skills for risk assessing of particular climate-related health impact. Also it discusses inter- country health impacts due to environmental hazards. Emphasis will be placed on the environmental implications of energy utilization and on the chemistry of the atmosphere, hydrosphere, and lithosphere.
5	Contemporary Public Health Issues and Challenges(PUBH416) The course is to a large extent considered satisfactory for the meant students as it offers the candidates the base line knowledge in the most common public health related events that have significant health effects. This course introduces the field of global public health that aims to develop an appreciation of the unique and important mission of public health as general and the public health issues in Saudi Arabia in particular. Students will be able to understand the alternations and changes in this field including new problems, values, ethics, mission, and knowledge about how the public health functions today including the organization, financing, policies, control measures and management practices. In addition, students will be able to think critically about whether the public health has achieved its mission in today's world and how the profession might develop in the future.
6	Graduation Project-(ENVH 425): Individual projects involving library, laboratory, and field study of a specific environmental health problem. Individual research on a specific topic in environmental health upon which specific conclusions, judgments, or evaluation can be made or upon which facts can be presented.
7	Research Methodology (CTECH 325): This course designed to enable the students to understand the basic skeleton of the research and how to write a proposal and conduct research project
8	Research Methodology (PUBH414): This course provides the fundamentals of research designs particularly as they pertain to Public Health

Postgraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Environmental Health Sciences	(MPUBH603)	Instructor (All of lectures)
2	Occupational Toxicology	(MPUBH643)	Instructor (All of lectures)
3	Occupational Health Laws & Ethics	PUBH647	Instructor (All of lectures)
4	Advanced Occupational Toxicology	PUBH650	Instructor (All of lectures &Tutorials)

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

1	Environmental Health Sciences (MPUBH603) This course is designed to provide students with a general introduction to fundamentals of environmental health, problems of environment and strategies employed to respond and manage these issues. The course will cover topics that make students understand factors and processes associated with the progression and development of environmental health problems. In addition, the course is comprised of a series of lectures to make use of fundamental knowledge of various occupational health disciplines for discussing topics such as occupational diseases, industrial hygiene, industrial wastes, and
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	occupational safety. This course would provide an excellent introductory foundation in environmental and occupational health for all professional master's degree candidates, interested to increase awareness about occupational health and/or environmental sciences, and public health.
2	Occupational Toxicology (MPUBH643) This unit will explore advanced concepts of Occupational Toxicology including the assessment of health risks associated with exposures to chemicals in the workplace. Students will investigate toxicology from two different perspectives. The first from an occupational viewpoint where students examine toxic responses associated with exposures in specific occupational cohorts. The second perspective examines organ specific toxicity as this relates to agent specific toxic responses.

Course Coordination

#	Course Title and Code	Coordination	Co-coordination	Undergrad.	Postgrad.	From	to
1	Ecology ENVH 213	√		√		2017	-----
2	Essentials of Environmental Health PUBH224	√		√		2017	-----
3	Waste Management PUBH315	√		√		2018	-----
4	Advanced of Environmental Health PUBH323	√		√		2019	-----
5	Research Methodology CTECH 325	√		√		2019	-----
6	Research Methodology PUBH 414	√		√		2019	
7	Environmental Health Sciences (MPUBH603)	√		√		2018	-----
8	Occupational Toxicology (MPUBH643)	√		√		2019	

Guest/Invited Lectures for Undergraduate Students

#	Activity/Course Title and Code	Subject	College and University or Program	Date

Student Academic Supervision and Mentoring

#	Level	Number of Students	From	to
	Undergraduate students	8	2010	2012
		4	2015	2017
		2	2019	2020

Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date



	Master	Gender- perspective in the analysis of the relationship between workhours, health and health related behavior in hospital workers, in Dammam, Saudi Arabia	College of public health, Dep. Of public health, Imam Abdelrahman Bin Faisal University	2019-2020
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Ongoing Research Supervision

#	Degree Type	Title	Institution	Date
	Master	Gender- perspective in the analysis of the relationship between workhours, health and health related behavior in hospital workers, in Dammam, Saudi Arabia	College of public health, Dep. Of public health, Imam Abdelrahman Bin Faisal University	2019-2020

Administrative Responsibilities, Committee and Community Service (Beginning with the most recent)

Administrative Responsibilities

#	From	To	Position	Organization
1	2019	-----	Community services coordinator	College of public health, Dep. Of public health (MALE), Imam Abdelrahman Bin Faisal University
2	2019	-----	Academic advisor (Occupational health and safety track) MPH	College of public health, Dep. Of public health, Imam Abdelrahman Bin Faisal University
3	2018	-----	practical and training coordinator	College of public health, Dep. Of public health, Imam Abdelrahman Bin Faisal University
4	2018	-----	Coordinator of education and learning for DAD	College of public health, Imam Abdelrahman Bin Faisal University
5	2017	-----	Academic advisor	College of public health, Dep. Of public health, Imam Abdelrahman Bin Faisal University

Committee Membership

#	From	To	Position	Organization
1	2017	-----	Students council election committee	College of public health
2	2017	-----	Research committee	Dep. Of public health
3	April 2019	-----	Research and community services Exhibition	College of public health
4	2019	-----	Community services committee	College of public health
5	2019	-----	Training and internship committee	College of public health

Scientific Consultations



#	From	To	Institute	Full-time or Part-time

Volunteer Work

#	From	To	Type of Volunteer	Organization
	2013	2014	Assistant at international student office	Huazhong university - China
	2007	2009	Member of Sudanese environmental protection association- Gezira state	Sudanese environmental protection association- Gezira state

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

1	Computer skills
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Last Update

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