



Full name: Mohamed Elfatih Hassan Ahmed

Position: Assistant professor

Personal Data

Nationality | **Sudanese**

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

Department | **public health**

Official IAU Email |

Office Phone No. |

Language Proficiency

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

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
2017	Post doctorate	China	Huazhong University, Wuhan, China.
2015	Ph.D.	China	Huazhong University, Wuhan, China.
2010	M.Sc.	Sudan	University of Gezira, Sudan.
2004	B.Sc.	Sudan	University of Gezira, Sudan.

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

M.Sc.	Environmental Toxicology
Ph.D.	Water pollution treatment

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	Dep. of Environmental Sciences and Natural Resources	University of Gezira	June 2015- September 2017



Lecturer	Sudan	Dep. of Environmental Sciences and Natural Resources,	University of Gezira	December 2010- June 2015
Teaching Assistant	Sudan	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
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

Refereed Scientific Research Papers Accepted for Publication

#	Name of Investigator(s)	Research Title	Journal	Acceptance Date
1	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	26/September 2017

Current Researches

#	Research Title	Name of Investigator(s)
	Improved Photocatalytic Properties of C-TiO ₂ with Embedded Ag for Methyl Orange Degradation under Visible Light Irradiation	Mohamed Elfatih Hassan, Guanglong Liu



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

Membership of Scientific and Professional Societies and Organizations

- N/A

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	Introduction to Environmental Sciences	ENVH21	Instructor (All of lectures &Tutorials)
3	Essentials of Environmental Health	PUBH224	Instructor (All of lectures &Tutorials)
4	Pharmacology	PHARM 222	Instructor (All of lectures &Tutorials)
5	Waste Management	PUBH315	Instructor (All of lectures &Tutorials)
6	Advanced Environmental Health	PUBH323	Instructor (All of lectures &Tutorials)
7	Contemporary Public Health Issues and Challenges	PUBH416	Instructor (All of lectures &Tutorials)
8	Graduation project	PUBH426	N/A

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	Introduction to Environmental Sciences-(ENVH 212): It provides a close view for understanding the different environmental terminologies, factors, and their correlation and impacts upon human well being. Also, contamination and pollution of natural resources as impacts of human being will be elaborated. Relationship of people to their environment, how it affects their physical well-being and what they can do to influence the quality of the environment and to enhance the protection of their health.
3	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.
4	Pharmacology (PHARM 222) is designed to understand the subject 'pharmacology' of medications used in different diseased states with an overview of drug use (both personal and social) in contemporary society that should be used according to the updated international guidelines, and discussing special patient considerations
5	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.
6	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.
7	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.
8	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.

Course Coordination

#	Course Title and Code	Coordination	Co-coordination	Undergrad.	Postgrad.	From	to
1	Ecology ENVH 213		v			2017	-----

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	6	2010	2012
		4	2015	2017



Administrative Responsibilities,
Committee and Community Service

Committee Membership

#	From	To	Position	Organization
1	2017	-----	Students council election committee member	Public health college

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

05 /10/2017