



FACULTY FULL NAME: Eltahir Mohamed Elhadi Abdalla Ahmed

POSITION: Assistant Professor

Personal Data

Nationality |Sudanese

Date of Birth |15/01/1969

Department |Building Engineering

Official UoD Email |emelhadi@iau.edu.sa

Office Phone No. |31824

Language Proficiency

Language	Read	Write	Speak
Arabic	√	√	√
English	√	√	√
Others(Chinese)			√

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
2010	Phd	China	Geodetection and Information Technology(GIS and Remote Sensing)
2003	Master	Sudan	Geodetic Surveying
1998	Bachelor	Sudan	Surveying

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

PhD	Monitoring and Assessment of Land Degradation in Arid and Semi-arid Regions Using Geo-information Technology
Master	Establishment of Control Points on Sea
Fellowship	

Professional Record: (Beginning with the most recent)



Job Rank	Place and Address of Work		Date
Assistant Professor	Imam Abdulrahman Bin Faisal University- KSA		2015-present
Assistant Professor	Sudan University of Science and Technology-Faculty of Engineering- School of Surveying		2010-2015
Lecturer	Sudan University of Science and Technology -Faculty of Engineering- School of Surveying		2003-2010
Teaching Assistant	Sudan University of Science and Technology -Faculty of Engineering- School of Surveying		1998-2003

Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
Head of the remote sensing department	Sudan University of Science and Technology - Faculty of Engineering-School of Surveying	2010-2015

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	Eltahir, M. E., etal.	The distribution of ecotourism activities and potential consequences for the Saudi desert ecosystem	Journal of Arid Environments 213, 104950(2023)
2	Eltahir, M. E., etal.	Land Reclamation in a Coastal Metropolis of Saudi Arabia: Environmental Sustainability Implications	Water 2022, 14(16), 2546; https://doi.org/10.3390/w14162546
3	Eltahir, M. E., etal.	Identifying the causes and types of accidents associated with the spatial	SAE International journal of transportation safety 11 (09-11-01-0002)) (2022)



		distribution of black spots in the region of Dammam Metropolitan Area, Saudi Arabia	
4	Eltahir, M. E., etal.	Assessing the Accuracy of Image Classification Algorithms Using During-Flood TerraSAR-X Imagery	Disaster Advances Vol. 13 (8) August (2020)
5	Saeed, Elgarni., Eltahir, M. E., and Wesam ,M .A	Monitoring vegetation cover changes in Wady Namas (KSA) using remote Sensing and geographical information system	The12 GIS Symposium in Saudi Arabia; 2018
6	Eltahir, M. E., and N, Zomrawi	Change Detection Analysis by Using Ikonos and Quick Bird Imageries	Journal of American Science 2010; 6(2):171-175. ISSN: 1545-1003.
7	Eltahir, M. E., and N, Zomrawi	Object-based land use/cover extraction from QuickBird image using Decision tree	Journal of American Science 2010; 6(2):171-175. ISSN: 1545-1003.
8	Eltahir, M. E., and N, Zomrawi, and Hu, G.D	Landscape change and sandy desertification monitoring and assessment.	American Journal of Environmental Sciences, 2009; 7(9): 83-90.ISSN:1545-0740.
9	Eltahir, M. E., and Ehadi.E.Ibrahim	Investigation Of The Influence Of Systematic Errors In Least Squares Estimation.	Journal of American Science 2010; 6(5): 118-123]. (ISSN: 1545-1003).
10	Eltahir, M. E.,Hu, G.D., and N,Zomrawi	Application of the Method of Least Squares in the Computation of Position at sea.	Journal of Engineering and Applied Sciences2008 3(1): 79-84.ISSN:1816-949X.
11	Eltahir, M. E.,Hu, G.D., and N,Zomrawi	The Solution of Collinearity. Condition	.Journal of Modern Mathematics and Statistics2008 2(2): 55-58.ISSN:1994-5388.



		Equations with 6-Terms via 10-Terms	
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Refereed Scientific Research Papers Accepted for Publication

#	Name of Investigator(s)	Research Title	Journal	Acceptance Date

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date

Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date

Current Researches

#	Research Title	Name of Investigator(s)

Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
	The12 GIS Symposium	Imam Abdulrahman Bin Faisal University in Saudi Arabia; 2018	Delegate

Membership of Scientific and Professional Societies and Organizations

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Teaching Activities



Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Surveying(College of Architecture and Planning)	ARCH-221	10 lec + 5 lab
2	Engineering Surveying(College of Engineering)	ENG-341	15 lec + 10 lab
3	Route Surveying(College of Engineering)	ENG-361	15 lec + 10 lab
4	GIS for Environmental Engineers(College of Engineering)	ENVEN-543	7 lec + 8 lab
5	GIS Application for Transportation(College of Engineering)	TTENG-442	7 lec + 8 lab
6	Advance CAD&GIS Application(College of Architecture and Planning)	ARCH-242	7 lec + 8 lab
7	Application of GIS in Environmental Health (College of Environmental Health)	ENVH-412	7 lec + 8 lab

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

Surveying- ARCH-221. Introduction of a variety of surveying techniques. Linear measurements, angular measurements using theodolite and total station, traverses, levelling, contouring, computation of areas and volumes. Surveying of building sites. Building laying off. Co-ordinate system and mapping leveling. In the applied section, students will work in the field learning the practical aspects and familiarizing themselves with the techniques and equipment's used.

Engineering Surveying- ENG-341. Introduction of a variety of surveying techniques. Linear measurements, angular measurements using theodolite and total station, traverses, levelling, contouring, computation of areas and volumes. Surveying of building sites. Building laying off. Co-ordinate system and mapping leveling. In the applied section, students will work in the field learning the practical aspects and familiarizing themselves with the techniques and equipment's used.

Route Surveying- Route Surveying- ENG-361. Introduction of a variety of surveying techniques. Linear measurements, angular measurements using theodolite and total station, traverses, levelling, contouring, computation of areas and volumes. Surveying of building sites. Building laying off. Co-ordinate system and mapping leveling. In the applied section, students will work in the field learning the practical aspects and familiarizing themselves with the techniques and equipment's used.



GIS for Environmental Engineers- ENVEN-543. This course serves as an introductory for understanding GIS and its capabilities. It introduces the fundamental theories and concepts of GIS. The course content will include data input, storage and editing, spatial data structures, analytical functions of a GIS, data output, management of GIS, and applications of GIS. Laboratory exercises will complement the theory presented in the lectures. Participants will use an open source GIS software product (QGIS) and gain a reasonable proficiency with that package.

GIS Application for Transportation- TTENG-442. This course serves as an introductory for understanding GIS and its capabilities. It introduces the fundamental theories and concepts of GIS. The course content will include data input, storage and editing, spatial data structures, analytical functions of a GIS, data output, management of GIS, and applications of GIS. Laboratory exercises will complement the theory presented in the lectures. Participants will use an open source GIS software product (QGIS) and gain a reasonable proficiency with that package.

Advance CAD&GIS Application- ARCH-242. This course serves as an introductory for understanding GIS and its capabilities. It introduces the fundamental theories and concepts of GIS. The course content will include data input, storage and editing, spatial data structures, analytical functions of a GIS, data output, management of GIS, and applications of GIS. Laboratory exercises will complement the theory presented in the lectures. Participants will use an open source GIS software product (QGIS) and gain a reasonable proficiency with that package.

Application of GIS in Environmental Health- ENVH-412. This course serves as an introductory for understanding GIS and its capabilities. It introduces the fundamental theories and concepts of GIS. The course content will include data input, storage and editing, spatial data structures, analytical functions of a GIS, data output, management of GIS, and applications of GIS. Laboratory exercises will complement the theory presented in the lectures. Participants will use an open source GIS software product (QGIS) and gain a reasonable proficiency with that package.

Postgraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1			
2			

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

1	
2	

Course Coordination



#	Course Title and Code	Coordinati on	Co-coordination	Undergr ad.	Postgrad .	From	To

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
1		4	2017	2018
2		4	2018	2019
3		4	2019	2020
4		4	2020	2021
5		4	2021	2022
6		12	2022	2023
7		8	2023	2024

Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date

Ongoing Research Supervision

#	Degree Type	Title	Institution	Date

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

Administrative Responsibilities

#	From	To	Position	Organization



Committee Membership

#	From	To	Position	Organization
1	2017	2020	(Member)Program Assessment Committee and APR	Building Engineering Department
2	2017	2012	(Member)Basic Sciences	Building Engineering Department
3	2020	2022	(Member)KPI Data Collection Committee	Building Engineering Department
4	2017	2022	(Member)Alumni & Industry Relation Committee	Building Engineering Department
5	2017	2022	(Member)UG Program Review and Development	Building Engineering Department
6	2017	2022	(Member)Surveying Diploma Committee	Building Engineering Department
7	2017	2022	(Head)Evaluation and Examination Committee	Building Engineering Department
8	2017	2023	(Member)Laboratories Committee	Building Engineering Department

Scientific Consultations

#	From	To	Institute	Full-time or Part-time

Volunteer Work

#	From	To	Type of Volunteer	Organization



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

1	Computer
2	Information technology

Last Update

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