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OBJECTIVE

I am currently a Ph.D. in the field of civil engineering from the University of Ottawa - Canada, with the scientific title of Associate Professor. My skills and qualifications that I gained during the past years were great in the technical geotechnical field of engineering and Geographic Information System (GIS).

HIGHLIGHTS OF SKILLS AND QUALIFICATIONS

1. Positive, flexible and driven individual
2. Team player
3. High standards of personal and professional excellence

QUALIFICATIONS:

1. Experience in GIS Geographic Information system.
2. Experience in TRIGRS model (Transient Rainfall Infiltration and Grid-based Regional Slope-stability)
3. Experience in AutoCAD
4. -Experience in Excel, Basic Programming

SCIENTIFIC QUALIFICATIONS:

1. Bachelor of Science in Civil Engineering. 1998 / Al-Kufa University / Iraq.

2. Higher Diploma in Civil Eng. – Surveying Eng. 2000 / University of Technology / Iraq
3. Master of Science in Civil Eng - Remote Sensing Applications in Geotechnical Engineering. 2004 / University of Technology / Iraq.
4. PhD. in civil engineering / university of Ottawa, August 2018.

PROFESSIONAL EXPERIENCE:

July 2005 – 2011

Designer Engineer, in the Engineering consultant bureau at the University of Thi-Qar / Iraq. Throughout these periods I supervised many projects established in the University, uniquely or heading a committee.

July/2004 – 2011

Teaching staff member in the College of Engineering/ university of Thi-Qar/ Iraq.

2014 to 2018

Teaching assistant /university of Ottawa.

2018 to present

Teaching staff member in the College of Engineering/ university of Thi-Qar/ Iraq.

TEACHING EXPERIENCE:

1. Geology Eng. / College of Eng.- Civil DEPT. 2004 - 2011
2. Surveying Eng./ College of Eng.- Civil DEPT. 2004 - 2006
3. Drain and Irrigation Eng. / College of Eng.- Civil DEPT. 2006 - 2011
4. Soil Mechanics Lab. / College of Eng.- Civil DEPT. 2006 - 2008
5. AutoCAD Programming / College of Eng.- Civil DEPT. 2006 - 2009
6. Supervision on graduating projects of 4th class students / College of Eng.- Civil DEPT. 2007 – 2011.
7. GNG 1105 Engineering Mechanics / University of Ottawa 2014 – 2017.

8. CVG 1107 Graphic and seminars / University of Ottawa 2014 – 2017.
9. CVG 2171 Field school / University of Ottawa 2014 – 2018.
10. Surveying Eng. and GIS/ College of Eng.- Civil DEPT. 2018 – 2022.

PUBLICATIONS:

1. - supervised classification for digital image calculating decrease ratio in population, plant and water resources southern Iraq, Mustansiriah university magazine ,2007 , Baghdad.
2. Estimating soil bearing capacity for Thi-Qar region using remote sensing technique , Thi – Qar university magazine,2007 , Thi – Qar .
3. Mapping of Rainfall-Induced Landslides in Ottawa, Proceedings of the 2nd International Conference on Civil, Structural and Transportation Engineering (ICCSTE'16) Ottawa, Canada – May 5 – 6, 2016.
4. M Al-Umar, M Fall, B Daneshfar, 2020, GIS-based modeling of snowmelt-induced landslide susceptibility of sensitive marine clays. Geoenvironmental Disasters 7 (1), 1-18
5. GIS based assessment of climate-induced landslide susceptibility of sensitive marine clay in the Ottawa region , Canada, A thesis submitted to the Faculty of Engineering Graduate Studies In partial fulfillment of the requirements for the degree of Doctor of Philosophy in Civil Engineering. Department of Civil Engineering Faculty of Engineering University of Ottawa
6. Spatial Study of Causes and Effects of the Sandstorms Using Meteorological Data and GIS: The Case of Nasiriyah City, Iraq ,Periodicals of Engineering and Natural Sciences Publisher: International University of Sarajevo Scopus with 1.0 site score.

7. Energy dissipation in the regulators using straight wall baffles, Periodicals of Engineering and Natural Sciences, Publisher: International University of Sarajevo.
8. Restoration of Al-Sanaf Marsh under Various Operation Conditions, Journal of Ecological Engineering, Publisher: Polskie Towarzystwo Inzynierii Ekologicznej, Scopus with 0.8 site score.