



Personal Data:



Name: Hossam Mohammed Ahmed Ismael

Name:

Date of birth: 21/04/1979.

Place of Birth: Cairo.

Nationality: Egyptian .

Religion: Muslem.

Military Status: Free .

Marital Status Married.

Current Work :

1-Associate professor of applied climate and remote sensing at New Valley University, Faculty of Arts, New valley branch, department of Geography and GIS.

2-Vice dean post graduate and scientific researches, New Valley University, Faculty of Arts.

Google Scholar: <https://scholar.google.com/eg/citations?user=jCKSKtEAAAAJ&hl=en>

Scopus Preview: <https://www.scopus.com/authid/detail.uri?authorId=57219654595>

ORCID ID: <https://orcid.org/0000-0002-1882-9760>

Education:

- Doctoral degree (Ph.D) from Helwan University, Faculty of Arts, geography department titled by “**Climate Change and its Impacts on Natural Systems in Northwestern Coast of Sinai Peninsula, Egypt.**”

Date: February 2012

Excellent with first class honors

- Master degree of physical geography from Helwan University, Faculty of Arts, Geography department. Titled by “**The Sabkhas systems in Northwestern Coastal plain of Egypt, study in physical geography**”. (In Arabic with English abstract)

Date: Jan 2007

Grade, Excellent

- **Higher Diploma of Geographical Information Systems (GIS) and Remote Sensing from Ain-Shames University, Cairo-Egypt.**

Date : November 2002

Excellent in Final project

- **Bachelor of Arts, Geography and Geographical Information Systems Department, Maps and Survey Class, Helwan University, Faculty of Arts, Egypt.**

Date : May 2000

General Grade Very Good

Diploma

- **Geographical Information System and Remote Sensing Application , from Ain-Shmes University, Cairo, Egypt, 2000-2002**
- **A program provided by IBM-Egypt under the sponsorship of the Software Human Resource Council (SHRC) And University of Ain Shames-Egypt .**

Career / Full-time Employment :

Date: 09-04-2017 to present

Position:

- Associate professor of applied climate and remote sensing at Assiut University, Faculty of Arts, New valley branch, department of Geography and GIS.
- Vice dean of education and students affairs, Assiut University, Faculty of Arts, New valley branch

Date: 29- 04 - 2012 – 09-04-2017

Position: Lecturer of Applied Climate, Faculty of Arts, Geography and GIS Department., Assiut University (New Valley Branch), Egypt.

Date: 30 -12-2008 – 28- 04 - 2012

Position: Assistant Lecturer in Faculty of Education, Assiut University (New Valley Branch), Egypt.

Date: 20 – 02 -2003 – 31-12-2009

Position: Assistant Lecturer in Geography Department, Helwan University.

Date: 2002-2003.

Position: Teaching Mapping, Surveying and GIS Applications

Date: 2001- 2002

Position: Assistant Researcher, Helwan University .Instructing R.S and G.I.S course in El-Sues Canal University, Egypt.

Fields of Specializations:

Climate Change impacts, Challenges and Adaptation.

Remote sensing and GIS.

Urban Heat Islands (UHI).

Climate and Air Quality.

Computer Skills:

ArcGIS
Erdas Imagin
Autocad
Excel
Microsoft Office

Language:

English
Arabic

Honors, Awards

1. Got the Competitive Projects Award, Assiut University, with a project on natural hazards and their impact on archaeological areas in Kharga City, New Valley Governorate, May 2017, titled by:

Environmental hazards and their impact on the cultural heritage of the archaeological sites in El-Kharga Oasis, New Valley Governorate, using GIS and remote sensing techniques

2. Got the University Award for Academic Excellence 2020, New Valley University

Membership of Professional Societies

- Member of EGU (European Geo-Science Union) since 2013.
- Member of the Asia Oceania Geosciences Society (AOGS) since 2013
- Member of the International Geographical Union (I.G.U) since 2005.
- Member of the team of experts who drafted the strategy of geomorphological field work and its benefits in Egypt, since 2005.
- Member of the Egyptian Society for Science Sediments since 2005.
- Member of the Egyptian Geographical Society since 2000.
- Member of graduate society of mapping and survey - Alexandria University, Egypt. Since 2000

Projects:

- Using remote sensing and Geographical Information system on reducing the danger of landing surface of some sites in Egypt. A case study-El-Rashedia Canal, September 2003.
- Using remote sensing and geographic information systems techniques to account the wastage of Nile water - a case study Al-Beheira Governorate, 2003.
- Participate in projects concerned with the development of Upper Egypt, especially the reduction of environmental hazards - A Case Study Kum Ambo center - Aswan governorate – Egypt 2007.

- Quality education project, Active participation in the draft accreditation, The Ministry of Higher Education and Helwan University 2005.
- Tourist development of the Ras Sidr in strict , by using G.I.S and R.S, west Sinai – Egypt,2004 .
- Use digitizer for transferring maps from hard copy to digital form (1:25000-1:50000). These maps were integrated in Geographical Information System and Edged matched for 120 maps in Arab Contractor G.I.S Unit .2002.
- Member of noble project, biotechnological unite, National Research Center, Egypt.
- Main researcher of " Environmental impats of weathering on arheological sites, New Valley governorate, Accepted 2018.
- Participate in projects concerned with the development of Upper Egypt, especially the reduction of environmental hazards - A Case Study Kum Ambo center - Aswan governorate – Egypt 2007 .
- Quality education project, Active participation in the draft accreditation, The Ministry of Higher Education and Helwan University 2005.
- Tourist development of the Ras Sidr in strict , by using G.I.S and R.S, west Sinai – Egypt,2004 .
- Using remote sensing and Geographical Information system for reducing the danger of landing surface of some sites in Egypt. A case study-El-Rashedia Canal, September 2003.
- Using remote sensing and geographic information systems techniques to account the wastage of Nile water - a case study Al-Beheira Governorate,2003.
- Use digitizer for transferring maps from hard copy to digital form (1:25000-1:50000). These maps were integrated in Geographical Information System and Edged matched for 120 maps in te Arab Contractor G.I.S Unit .2002.
- A detailed field study of patients Falaria disease on El- Aziziyah area of the Giza Governorate in 2002
-

List of Publications:

1-Hossam Ismael, 2015, THE CLIMATE AND ITS IMPACTS ON EGYPTIAN CIVILIZED HERITAGE: EI NADURA TEMPLE IN EL KHARGA OASIS, WESTERN DESERT OF EGYPT AS A CASE STUDY, De GRUYETER, Present Environment and Sustainable Development. Volume 9, Issue 1, July 2015, Pages 5–32. DOI: [10.1515/pesd-2015-0001](https://doi.org/10.1515/pesd-2015-0001). <http://www.pesd.ro/articole/nr.9/nr.1/01.pdf>

2-Hossam Ismael, 2015, EVALUATION OF PRESENT-DAY CLIMATE-INDUCED DESERTIFICATION IN EL-DAKHLA OASIS, WESTERN DESERT OF EGYPT, BASED ON INTEGRATION OF MEDALUS METHOD, GIS AND RS TECHNIQUES. De GRUYETER, Present Environment and Sustainable Development. Volume 9, Issue 2, October 2015, Pages 47–72. DOI: [10.1515/pesd-2015-0024](https://doi.org/10.1515/pesd-2015-0024), <http://www.pesd.ro/Pesd%20vol%209.2%20-2015.html>.

3-Hossam Ismael, 2015, Climate Effects on archaeological buildings forming the Roman temples: Dush Temple in El- Kharga Oasis, Western Desert of Egypt as a Case Study, Journal of Geography and Earth Sciences, December 2015, Vol. 3, No. 2, pp. 1-14. URL: <http://dx.doi.org/10.15640/jges.v3n2a1>.

4-Hossam Ismael, 2015, the Effectiveness of Using MODIS Products for Monitoring Climate Change Risks over the Nile Delta, Egypt. International Journal of Environmental Monitoring and analysis, Volume 3, Issue 6, December 2015, Pages: 382-396. DOI: [10.11648/j.ijema.20150306.12](https://doi.org/10.11648/j.ijema.20150306.12) <http://article.sciencepublishinggroup.com/html/10.11648.j.ijema.20150306.12.html>

5-Mohamed hreher and Hossam Ismael, 2016, application of remote sensing data to diagnose soil degradation in the Dakhla depression – Western Desert, Egypt, Geocarto International, Taylor & Francis, June, 2015 DOI: <http://dx.doi.org/10.1080/10106049.2015.1059901>. (Impact Factor: 1.37)

6-Kamh, G. M. E, S. Koltuk and Hosam Ismael, 2016 Refinement of Categorization and Scaling of Weathering-related Damage to Natural Stone: case study on Oolitic Limestone from El-Shatbi Tombs (Egypt). Bulletin of Engineering Geology and the Environment BOEG, DOI 10.1007/s10064-016-0946-7. (Impact Factor: 1.25)

7-Hossam Ismael, 2016, Monitoring drought trends induced climate variability over Egypt using MODIS NDVI satellite data and Drought Indices, *Bulletin of the Egyptian geographical society, Vol. 89,pp.91-121.*

8-Hossam Ismael and Kamh, G, 2017, Textural and Pore Properties Controlling Rocks Weathering Susceptibility, Hibis Temple, Kharga Oasis, Western Desert, Egypt. Springer Journals, Environmental Earth Sciences (Accepted) (Impact Factor: 0.88)

9-Hossam Ismael, 2017, WEATHERING FORMS AND DAMAGE CATEGORIES OF SOME EGYPTIAN ARCHAEOLOGICAL SITES BASED ON FIELD MEASUREMENTS, A STUDY IN APPLIED CLIMATE THE 8th INTERNATIONAL SYMPOSIUM on GEOGRAPHY "Landscapes: Perception, Knowledge, Awareness and Action", 24-26 June 2016, Bucharest and Geoagiu-Bai, Romania. Accepted to be published by *Geopolitics, History, and International Relations*. Volume 9(1), 2016, pp. 11-33, ISSN 1948-9145.USA.

10-Ahmed M El Kenawi and Hossam Ismael, 2018, A 50-year hydro-climatological assessment of climatic modes over the world's major mountain ranges. The first international of Egyptian climatological group conference, accepted to publishe in Egyptian Geographical Society, Egypt.

11-Hossam Ismael and Waleed Abbas, 2020. The effect of prevailing climatic conditions on detecting and monitoring soil Salinization of Kharga depression using remote sensing techniques, Pure and Applied Geophysics international journal (Impact Fator: 1.5) (under review).

12-Hossam Ismael, Waleed Abbas and Ahmed Hassan, 2020. Assessment of climate change impacts on renewable energy sources in the Arab World based on regional climate model RegCM and Jacobson's roadmap of renewable Wind, Water, and Sunlight (WWS) 2050. International conference of Renewable Energy and Sustainable development conference_ 3-4 March _2020, Kuwait (Accepted to be oral presentation).

13-Waleed Abass and Hossam Ismael, 2020.Applicability and Reliability of Constructing Canopy Urban Heat Island Temperatures from Thermal Images: An Integrated and Multi-scale Methodology of Geomatics. Submitted to Urban climate international journal(Impact factor 3.6)

14-W Abbas, A Badaw, H Ismael, 2020.Extreme Temperature Events Can Mitigate COVID-19 Morbidity in Warm Arid Environments: A Conclusion from Late Spring 2020 Heatwave in Egypt. Bulletin de la Société de Géographie d'Egypte 93 (1), 1-24

15-Hossam Ismael, Mohamed Abdel Moatemed and Waleed Abbas, 2020. ENVIRONMENTAL AND CLIMATIC HAZARDS AND THEIR IMPACTS ON THE CULTURAL HERITAGE OF EL-KHARGA OASIS, WESTERN DESERT, EGYPT. Egyptian Journal of Archaeological and Restoration Studies 10 (2), 135-152

16-Waleed Abbas, Ahmed Hassan and Hossam Ismael (2021). Climate Change Impact On Renewable Energy Resources In The Arab World Based On Jacobson's Roadmap Of Renewable Wind, Water, And Sunlight (Wws) 2050. Geography, Environment, Sustainability, Vol.14, No 2, p. 92-104 <https://DOI-10.24057/2071-9388-2020-133>

Training /Workshops / Conferences/

- Training course of **Research Team Mangment**, Faculty and Leadership Development Center (FLDC)- Assuit University, Egypt. March 2012. Excellent
- Training course of **International publishing of Research**, Faculty and Leadership Development Center(FLDC)- Assuit University, Egypt. November 2011. Excellent
- Training course of **E- Learning**, Faculty and Leadership Development Center (FLDC)- Assuit University, Egypt. October 2010. Excellent
- Training course of **Code and Ethics**, Faculty and Leadership Development Center (FLDC)- Assuit University, Egypt. September 2010 Excellent.
- Training Course on Capacity Building in Environment-related Issues in Geomining: Remote Sensing and other Environment-related Issues, Iglasias, Monteponi, Cagliari, Italy 2009.
- Develop the quality Education and teaching skills, Ministry of high education (May 2009)
- Training Course on Capacity Building in Advanced Techniques , Remote Sensing and Geographical Information Systems, Alexandria, Egypt 2009.
- Network Administration Diploma (Windows NT 4.0), at {Y.A.T} Education Center. (April 2002) Excellent
- Microsoft Excel 97 ,at Institute of Statistics's Researches & Studying . (Sep 1999) Excellent
- (English Course) ninth level (of eleven levels) at The Military Technical Institute. (1998-2000).

Recent Events

- **Winter School - Patterns of vegetation in water controlled ecosystems, Organizing institution:** University of Padova, Period: 3 January 2016 - 9 January 2016. Venice International University <http://www.univiu.org>
- **The Cairo Climate Talks** "Sustainable Education - Thinking Green on Campus", 32nd Cairo Climate Talks (CCT) Panel Discussion, September 16, 2015 at 6:30pm The German Science Center (DWZ), 11 Al Saleh Ayoub Street, Zamalek.
- International Geographical Union Regional Conference GEOGRAPHY, CULTURE AND SOCIETY FOR OUR FUTURE EARTH 17-22 August 2015, Moscow, Russia. "**The Climate and its Impacts on Egyptian Civilized Heritage**", (The research has been selected to be orally presented).
- 9th International Conference on Urban Climate **jointly with** 12th Symposium on the Urban Environment, **Toulouse, France from July 20-24, 2015. " Monitoring of Air pollution and black cloud influence on Aerosol optical properties over Nile Delta based on Moderate Resolution Imaging Spectroradiometer (MODIS) and climatic data from 2002-2012"**. <https://www.conftool.com/icuc9/index>
- EGU (European Geo-Science Union) General Assembly in Vienna (Austria) between 12-17 of April, 2015 "**The Climate and its Impacts on deterioration and weathering rate of EI-Nadura Temple in El-Kharga Oasis, Western Desert of Egypt**".
- EGU (European Geo-Science Union) General Assembly in Vienna (Austria) between 7-12 of April 2013. **The effectiveness of using MODIS data for monitoring and measuring climate change impacts in Egypt: Nile Delta and North Sinai Coast as a case study.**
- International Conference "**Geography and contemporary global changes**" College of Arts and Humanities University , Medina, Saudi Arabia 23-20 May 1434 H - 1-4 April 2013
- **The Cairo Climate Talks**, To review and assess the following topic- Paving the way to a sustainable Egypt , A discussion in the light of RIO +20, DAAD – German Academic Exchange Service, On July 10th, 2012 at 7 p.m. at DAAD Cairo.

- **Cairo Climate Talks (CCT)** on the World Environment Day, review and assess the DESERTEC - Energy from the Desert -Opportunities for Egypt“On June 5th, 2012On June 5th, 2012.
- **Training Course on Capacity Building in Environment-related Issues in Geomining: Remote Sensing and other Environment-related Issues**, Iglasias, Monteponi, Cagliari, Italy 2009.
- **International Research Conference titled, Live with landscape, Geomorphological conference**, Srabeit El-Khadem September 2009, Egypt.
- **Climate Change and development, Symposium**, Sues Canal University, March, 2008.
- **Landscape Evolution & Geomorphology**, 13th Belgium-France-Italy-Romania Geomorphological Meeting, June 2008.
- International Research Conference on Geology of the Arab World, Cairo University, February 2007.
- **The first International Conference Environmental Change of Lakes, Lagoons and Wetland in Southern.**

Academic Training Courses

- 1.The International Computer License ICDL Certificate from UNESCO Version. 0.4 2002
- 2.TOEFL certificate from Helwan University with a total score of 573.
- 3.TOEFL certificate from AMIDEAST Egypt with a total score of 533.
- 4.A training course in "credit hours" - Faculty Development Center - Assiut University - January 2010.
- 5- Training course on "Using Technology in Teaching" - Faculty Development Center - Assiut University - February 2015.
- 6- A training course on "Quality Standards in the Teaching Process" - Faculty Development Center - Assiut University - May 2016.
- 7- A training course in "Strategic Planning" - Faculty Development Center - Assiut University - May 2016.
- 8- A training course on "How to write a competitive research project" - Faculty Development Center - Assiut University - June 2018
- . 9- Training course on "Professional Behaviour", Faculty Development Center - Assiut University - September 2018.
- 10- A training course on "Description of Study Programs", Faculty Development Center - Assiut University - May 2019.

Academic Supervision

The main supervisor of the following thesis

- 1.Climate and its impact on electricity consumption in the city of Kharga, a study in the applied climate, a master's thesis registered at the Faculty of Arts, Assiut University, New Valley Branch, by Nora Muhammad Ali 2015 (not discussed yet).
- 2.Assessment of the environmental impact of the sustainable development of the city of Aswan using geographic information systems, a master's thesis registered at the Faculty of Arts, Assiut University, New Valley Branch, by student / Mohamed Abdel Hakim Amer 2016 (not discussed yet).

3.Natural hazards on archaeological areas in the city of Kharga, a geomorphological study, a master's thesis registered at the Faculty of Arts, Assiut University, New Valley Branch, for student / Nesma Atef Abdullah, in 2017 (not discussed so far).

Academic Discussions

Discussion of a private PhD thesis registered at Alexandria University by student Karam Jamil Al-Safadi, spatial modeling to determine the levels of climatic hazards that cause fungal diseases on grape vines, a study in applied climate, As-Suwayda Governorate, Syria, 2020. The discussion took place on 01/20/2020.

Contact informations

E-mail address: hossam.ismael@art.nvu.edu.eg

Formal Email : hosam.ismael@artnv.au.edu.eg

Mobile Tel: +201144250241

Home Tel: +2023772623

Address: 7st Flat - 2st Floor -5 Kamal Nasr st. Hadayek Helwan- Cairo - Egypt.

Reference:

◀ T THREE PERSONS, OTHER THAN RELATIVES OR PERSONAL FRIENDS, WHO HAVE KNOWLEDGE OF YOUR WORK EXPERIENCE OR EDUCATION}

NAME	ADDRESS	PHONE
Prof. Dr. Abdel Aziz Tantawi	The president of New Valley University, Egypt	+01227314271
Prof. Dr. Atef Moatemed	Professor of physical geography, Cairo University, Egypt	+01014042756
Prof. Dr. Vijendra K. Boken	Professor of Geography department, The University of Nebraska at Kearney	(308) 865-8357