

Curriculum Vitae



Name: Mohamed SOLIMAN

Nationality: EGYPT

Date of Birth: November 19, 1980

Current Employment: - Senior Archaeologist, Center of Islamic Antiquities Studies,
Ministry of Tourism and Antiquities, Egypt

-Visiting Researcher, Ritsumeikan University, Kinugasa
Campus, Japan <https://www.arc.ritsumei.ac.jp/e/members/>

-Lecturer at Program in Heritage and Museum Studies.

Helwan University-Egypt and Brandenburische Technsche Universität-Germany

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Website Link: Google scholar: https://scholar.google.co.uk/citations?view_op=list_works&hl=en&user=YmAiPNQAAAAJ

Research Gate: <https://www.researchgate.net/profile/Mohamed-Soliman-61/publications?sorting=recentlyAdded&editMode=1>

JSPS-Net: https://www-jspns-net.jspns.go.jp/mohamed_soliman_1

Education

April. 2023 to Feb. 2024: Invitational fellowship of the Japan Society for Promotion of Sciences (JSPS),
DMUCH, Ritsumeikan University, Kinugasa Campus, Kyoto.

Nov. 2019-Nov. 2021: Postdoctoral fellowship of the Japan Society for Promotion of Sciences (JSPS),
DMUCH, Ritsumeikan University, Kinugasa Campus, Kyoto.

2019: Postdoctoral fellowship", "Research under scientific supervision", funded by "Italian
Government", hosted by "Department of Science" at "Florence University".

Oct.-Nov./ 2018 Postdoctoral fellowship" funded by "Heiwa Nakajima Foundation", hosted by Institute for
Languages and Cultures of Asia and Africa (ILCAA) "Tokyo University for Foreign Studies (TUFS)", Tokyo.

July/2014 Ph.D. of Islamic Archaeology, Faculty of Arts, Helwan University (year of graduation)

Thesis: "The water installations in Alexandria City from the Islamic Conquest to the End of
Mohamed Ali's dynasty"

March/2010 Master Degree, Faculty of Arts, Alexandria University (year of graduation)
Thesis: "The Palace of Princess Fatima Hayder in Alexandria"

Nov./2005 Pre-Masters, Faculty of Arts, Alexandria University (year of graduation)

May/2002 Bachelor Degree of Islamic Archaeology, Faculty of Arts, Alexandria University

Employment Experience

1. Full-Time

Jan./2023- Present *Ministry of Tourism and Antiquities:
-Islamic Archaeology Studies Center, Senior Archaeologist

Nov./2019- Present *Ritsumeikan University, Kinugasa Campus, Japan:
-Art Research Centre (ARC) Visiting Researcher
-DMUCH, JSPS International Researcher

Mar./2019- Jan./2023 *National Research Institute of Astronomy and Geophysics (NRIAG):

Mar./2022- Jan./2023 -Director of Advanced Studies Unite of Cultural Heritage

Mar./2019- Mar./2022 -Advisor for President for Cultural Heritage

Oct./2003- Feb./2019 *Ministry of Tourism and Antiquities:
 -Old Cairo and el-Fustat Sites, Director General of Archaeological Affairs (till Feb./2019)
 -Islamic & Coptic Sector, Director General of Scientific Office (till Dec./2017)
 -Central Administration of Modern Age Antiquities, Director of Archaeological Sites (till Dec./2016)
 -Department of Alexandria & Northern Coast, Director of Developing Islamic & Coptic Sites (till Dec./2014)
 -Department of Alexandria & Northern Coast, Inspector of Islamic & Coptic Sites (till Aug./2013)

2. Part-Time

Sept. 2024- Present Lecturer at PhD Program in Heritage and Museum Studies. Helwan University-Egypt and Brandenburische Technische Universität-Germany

Oct./2017- Oct./2018 Researcher, National Authority for Remote Sensing and Space Sciences (NARSS) Divisions of: (Geological Application and mineral Resources), (Environmental Studies and Land Use), and (Agricultural Applications, Solis and Marine)

Aug./2017-Aug./2019 Director General of the Cultural Relationship & International Cooperation, Egypt Future Foundation for Heritage, Development and Innovation (Egy-Future) (NGO)

Professional Research Associations and Societies

- DMUCH, Ritsumeikan university, Kinugasa Campus, JAPAN
- Art Research Centre, Ritsumeikan university, Kinugasa Campus, JAPAN
- The American Research Centre in Egypt (ARCE)
- Association of Japanese Geographer (AJG), JAPAN
- The British Council, UK
- Centre d'Etudes Alexandrines, (CE-Alex) FRANCE
- Egypt-Japan University of Science and Technology (E-JUST), EGYPT
- GIS Association of Japan (GISA), JAPAN
- Graduate School of Faculty of Letters, arts, and Sciences, Middle Eastern Islamic Course, Waseda University, JAPAN
- Graduate School of Humanities and Sociology, The University of Tokyo, JAPAN
- Informatics Research Institute, City of Research and Technological Applications (SRTA-City) EGYPT
- International Geodesign Collaboration (IGC), IRELAND
- The International Geographical Congress (IGU)
- National Authority for Remote Sensing and Space Sciences (NARSS), EGYPT
- ILCAA, Tokyo University for Foreign Studies (TUFS), JAPAN
- Society of the Near Eastern Studies in Japan, JAPAN
- UNESCO, Cairo Office, EGYPT
- Arab Association of Civilization and Islamic Arts, Egypt
- JSPS Alumni Association-Egypt
- Springer Nature's reviewer, 2023
- Advances in Sciences and Humanities: Editorial board member, since December, 2023
- Archaeology, History and Ancient Languages (IAHAL): Editorial board member, since 2024
- Journal of Geography and Cartography (JGC): Editorial board member, since 2024
- General Member of the Cultural Heritage Advocacy Collaborative Committee at the National Corporation for Antiquities and Museums (NCAM), since 2024

Awards

- Invitational Fellowship, Japan Society for the Promotion of Science (JSPS), 2023.
- Postdoctoral Fellowship, Japan Society for the Promotion of Science (JSPS), 2019.
- Postdoctoral Fellowship, Research Under Scientific Supervision, Government of Italy, 2019.
- Postdoctoral Fellowship, Heiwa Nakajima Foundation, 2018.
- The Perfect Student Award, Faculty of Arts, Alexandria University, 2002.

Research Publications

I . Books

【Book Chapter】

- **“Ahmed ibn Tulun Aqueduct (256 AH/ 870 CE): Highlighting an Early Islamic Water Utility in its Urban Context”**. Cairo’s medieval Necropolis: A Heritage at Risk. The American University in Cairo (AUC). Submitted for publication.
- *“Et al.* “The Functional Urbanism of Souk Al-Silah, Cairo: The Political and Economic Impact on trade in a Medieval Urban Fabric”. *Architecture and Urban Transformation of Historical Markets: Cases from the Middle East and North Africa*. Routledge. Sept. 2022. ISBN 9780367697815
<https://www.routledge.com/Architecture-and-Urban-Transformation-of-Historical-Markets-Cases-from/Hamza/p/book/9780367697815>
- “Palaces of Alexandria during Mohamed Ali dynasty”, *Alexandria the Capital of Islamic Culture*, ISESCO, Alexandria, 2008 (Arabic).

II . Articles

【Journal Papers】

- “Delineation of Historic Cairo Water System: A Medieval Water Management Approach”. *Al-Masāq*. Submitted for publication.
- “Applicability of digitization experience of the Kyoto City Archaeological Museum (KCAM) to MENA museums at risk: tackling preparedness and post-response”. *Art Research Journal*, Ritsumeikan University, Volume 24-3. March 11, 2024. Pp. 205-219.
<https://www.arc.ritsumei.ac.jp/download/ar/ar24-3/04/ar24-3-04ms.pdf>
- “Synthesis of Geospatial Database and Interdisciplinary to Achieve NSDS for Downtown Alexandria, Egypt Vision 2030”. *International Cartographer Association (ICA)*, Volume 4, 2021. Pp. 2-8. DOI <https://doi.org/10.5194/ica-proc-4-101-2021>
- “Simulation of a Discovered Mamluk Picnic Palace (1347 CE) in Qal’at al-Kabsh”. *International Journal of Town Planning and Management*, Vol. 7, Issue 2, 2021, Pp. 10-20. DOI 10.37628/IJTPM
- “Sustainable Geodesign of the Urban Cultural Heritage of Alexandria, Egypt Vision 2030: Homogeneity of Authenticity and Modernization”, *Journal of Disaster Mitigation for Historical Cities*, Vol. 15, July 2021, Pp. 299-306. DOI <http://doi.org/10.34382/00015009>
- Story Map entitled: “Historical Urban Change of Alexandria (1801-2020 CE)” to “Esri User Conference 2021”, July 13, 2021. <https://www.esri.com/en-us/about/events/uc/esri-uc-map-gallery/#/>
- “Geographical Approach to Sustaining the Potential Cultural Heritage of Alexandria, Egypt, 2030: Visualization of the Latin Quarter for the Tourism Industry”, *The Association of Japanese Geographers Spring Meeting 2021, J-STAGE*, Vol. 310, March 29, 2021. DOI https://doi.org/10.14866/ajg.2021s.0_51
- “Construction of GIS Database of Alexandria Based on the Old Maps”, *the Art Research Center (ARC) 21 vol.*, Japan, March 2021. (pp. 33-44) <https://www.arc.ritsumei.ac.jp/e/report/books/ar.html>
https://ritsumei.repo.nii.ac.jp/?action=repository_uri&item_id=14495
- “Sustainable Geodesign for the Urban Cultural Heritage of Alexandria, Egypt: Homogeneity of Authenticity & Modernization”, *The Association of Japanese Geographers Autumn Meeting 2020, J-STAGE*, Vol. 2020a P156, Dec. 1, 2020, DOI https://doi.org/10.14866/ajg.2020a.0_84

- “Historical LULC Change of Pre-modern Alexandria (1517-1801 CE): Geospatial Analysis for Napoleonic map-1801”. GIS Association of Japan (GISA), vol. 29. 2020.
- “Water logging problems in Egypt’s Deserts: Case study Abu Mena archaeological site using geospatial techniques”, Egyptian Journal of Remote Sensing and Space Sciences, vol. 23, issue 3, pp. 387-399, 2020 (<https://doi.org/10.1016/j.ejrs.2020.06.003>).
- “Spatializing the Topography of Islamic Alexandria for Sustainable Development-Historic Maps via Remote Sensing, GPR and GIS”, the Society for Near Eastern Studies in Japan, Japan Orient Society 60th Convention, Kyoto University, Japan ORIENT Society, 2018.
- "Exploration and Risk Mitigation Management of the Historic Cairo Using Remote Sensing and Geophysical Applications", the 2nd international conference of "Sustainable Development for Communities in Arab World", Luxor-Aswan, 9-13 Dec., 2017. (Refereed by International Design Journal - <http://www.journal.faa.-design.com/-index.htm>)
- "Building of International Company of the Suez Canal Marine, Port Said city (Architectural innovation design of 19th century)", The 1st international conference of developing, innovation and creativity for traditional industries- Heritage and Tourism, Opera House, Cairo, 18-19 April, 2017. (Refereed by International Design Journal - <http://www.journal.faa.-design.com/-index.htm>)
- "Virtual Reality and the Islamic Water System in Cairo: Challenges and Methods", 1st international conference of Virtual Heritage Cairo (VHC), NRIAG in Collaboration with Nottingham Trent University, NMEC, Cairo, 20-21 Feb., 2017. Archnet-IJAR, Volume 11, Issue 10, pp. 78-93, November 2017. (<http://dx.doi.org/10.26687/archnet-ijar.v11i3.1386>)
- "The palace of Princess Fatima Hayder in Alexandria", Bibliotheca Alexandrina, Magazine of contemporary Egypt, issue 12, pp. 32-40, January 2013. (<https://ia801609.us.archive.org/1/items/022VW/022VW02130.pdf>)
- “Consuls Square in Alexandria -Between Yesterday and Today”, the 6th Scientific Conference of Islamic monuments, the SCA, Cairo, 2010.
- “Conservation Principals in the Restoration and Development Project of Princess Fatima al-Zahraa Hayder’s Palace (The Royal Jewelry Museum) in Alexandria”, the 4th Scientific conference of Islamic monuments, the SCA, Cairo, 2004.

【Oral Presentations】

- "**Preservation of the cultural heritage of Alexandria**". the symposium of heritage at risk, Bibliotheca Alexandrina, Alexandria, 24th Feb. 2010 (18:00-19:00 EET).
- "**Archaeological Islamic Heritage of Alexandria-Problems and Solutions**". Horya Innovation Centre, Alexandria, 9th Dec., 2014(18:00-19:30 EET).
- "**Islamic water system of Alexandria**". Horya Innovation Centre, Alexandria, 6th May, 2014 (18:00-19:30 EET).
- "**Development of the Egyptian archaeological sites based on the self-income of Ministry of Antiquities**". Ministry of Antiquities, Cairo, January, 2015 (19:00-120:30 EET).
- "**Preserving the Monumental Heritage Facing to the Hazard of Earthquakes**". 1st General Assembly of African Seismological Commission, Luxor, April, 2016 (17:00-18:00 EET).
- "**Virtual reality- a promising technology for the Islamic Sites**". "Virtual Reality of Medieval Culture: Collaborative Network for Cultural-feed of Virtual Heritage (CfVH) platforms of medieval Cairo", NRIAG in cooperation with Wolverhampton University, NRIAG, Cairo, 27th July, 2016 (14:30-15:00 EET).
- "**Methodology of intervention in preservation projects of the Archaeological Sites**", Ministry of Antiquities, Hall of Sultan Hassan's Madrasa, Cairo, 31st May, 2015 (14:00-14:30 EET).
- "**Abedin Royal Palace in Cairo: Architectural and Art Characteristics**", the Ministry of Antiquities, Al-Manial Palace Museum, Cairo, 26th July, 2016 (14:30-15:00 EET).
- "**Islamic Water System in Alexandria (621-1952 A.D)**", Institute of Industrial Science, University of Tokyo, Japan, 17th November, 2016 (15:00-16:00 JST)

- **"The Citadel of Cairo during the Ayyubid and Mamluk periods (1171-1517 A.D)"**, the 11th symposium of Coptic and Islamic Material Culture, Kokushikan University, Tokyo, 21st, November, 2016 (13:00-14:30 JST).
- **"Islamic Water System in Alexandria (621-1952 A.D)"**, Symposium "Resource Use and Material Culture of Egyptian Coastal Regions: Comparison of the Mediterranean Sea and the Red Sea", National Museum of Ethnology, Osaka, 25th, November, 2016 (14:00-15:30 JST).
- **"Geophysical Application on the Islamic and Coptic Archaeological Sites"**. Symposium "Archaeo-geophysics application on archaeological sites", Ministry of Antiquities in Collaboration with NARSS, el-Ghoury Complex Hall, Cairo, 11th July, 2017 (14:00-15:00 EET).
- **"Reconstructing the Islamic Water System in Alexandria during the Medieval Period"**. The University of Tokyo, Tokyo, 19th Oct., 2018 (16:00-18:30 JST).
- **"Egy-Jap. Innovation of the Heritage Water System- Alexandria and Edo in the Medieval Period"**. Embassy of Egypt in Japan, Tokyo, 23rd Nov., 2018 (14:30-16:00 JST).
- **"El-Fustat (Old Cairo)-Heritage and Management"**. Graduate School of Faculty of Letters, Arts, and Sciences, Middle Eastern and Islamic Course, WASEDA University, 22nd Nov., 2018 (15:00-16:30 JST).
- **"Spatializing the Topography of Islamic Alexandria for Sustainable Development-Historic Maps via Remote Sensing, GPR and GIS"**. the Society for Near Eastern Studies in Japan, Japan Orient Society 60th Convention, Japan ORIENT Society, Kyoto University, Kyoto 14th Oct., 2018 (15:35-16:00 JST).
- **"Reconstructing the Historical Topography of Alexandria for Sustainable Development"**. Conference of "The Impact of Climatic Changes on the Monuments and Historic Sites 2018", *Le Centre Culturel Du Patrimoine Arabe*, France, Mena House Hotel, Cairo, 16th Dec., 2018 (14:30-14:45 EET).
- **"Spatializing the Historical Topography of Alexandria for Sustainable Development"**. American Research Centre of Egypt (ARCE), Cairo, 13th March, 2019 (18:00-20:00 EET).
- **"Urban Tides of Medieval Alexandria-Evolution Directions and Shrinkage Factors"**. International Workshop "Network and Urban Landscape in Historical Perspective-Focusing on Urban Network", Organized by the University of Tokyo & Japanese Society for Promotion Sciences (JSPS), American University in Cairo (AUC), Cairo, 24th August 2019 (13:45-14:25 EET).
- **"Potentiality of Sciences and Technology Contribution for the Cultural Heritage"**. the Grand Egyptian Museum (GEM), Cairo, 28th August 2019 (13:00-14:30 EET).
- **"Spatialization, Detection and Restoration of Ancient Alexandria for Sustainable Development via Remote Sensing and GIS"**. RHCD Revitalization of Historic City Districts- "Capturing Roman Alexandria in the City's Downtown" -One Day - Workshop, Institute Francais, Alexandria, 19th Oct. 2019 (13:15-14:00 EET).
- **"Delineation of Ancient Alexandria for Sustaining the Cultural Heritage: Approach of Remote Sensing, GPR and GIS for Sustainable Development"**. The 65th [Special Edition] International ARC Seminar, Art Research Centre (ARC), Ritsumeikan University, Kyoto, 18th Dec. 2019 (18:00-19:30 JST).
- **"Historical LULC Change of Pre-modern Alexandria (1517-1801 CE): Geospatial Analysis for Napoleonic map-1801"**. GISA conference Autumn 2020, 24th Oct., 2020 (10:50-11:10 JST).
- **"Advanced Technology Approach for Achieving Sustainable Development Goals for the Cultural Heritage of Egypt 2030"**. High Institute of Tourism and Monuments Restoration-Abu Kir, Alexandria, 21st Nov., 2020 (10:30-12:00 EET).
- **"Innovation of Water infrastructure and Desalination in Medieval Alexandria"**. Egypt-UK Newton-Musharafa Fund: Institutional Links - Call 4, (EECE) E-JUST, Alexandria, 18th Jan., 2021(12:30-13:00 EET).
- **"Advanced Technology Approach for Achieving Sustainable Development Goals for the Cultural Heritage of Egypt 2030"**. Graduate School of Faculty of Letters, Arts, and Sciences, Middle Eastern and Islamic Course, Waseda University, Tokyo, 22nd Jan., 2021(14:45-16:15 JST).
- **"Geographical approach to Sustaining the potential Cultural Heritage of Alexandria, Egypt, 2030: Visualization of the Latin Quarter for the Tourism Industry"**. The Academic Meeting of the AJG Spring 2021, 26th March, 2021(13:00-13:20 JST).

- **“Qait’bay Citadel (1477-1479): Visualizing the Main Coastal Fortification of Medieval Alexandria, Egypt”**, ARC DAYS 2021, Art Research Centre, Ritsumeikan University. July 30-31.
- **“Generating metashape of Kyoto City Archaeological Museum collection 京都市考古資料館”**. Digitization of Historical Cities in Egypt and Japan Workshop. ARC-IJAC, Ritsumeikan University. Nov. 6, 2021 (16:50-17:10 JST).
- **“Visualization of Qait’bay Citadel Project: new horizon for Alexandria cultural heritage”**. Digitization of Historical Cities in Egypt and Japan Workshop. ARC-IJAC, Ritsumeikan University. Nov. 6, 2021 (17:40-18:00 JST).
- **“Historical LULC Change of Pre-modern Alexandria via the Napoleonic Map(1517-1801)”**, Graduate School of Faculty of Letters, Arts, and Sciences, Middle Eastern and Islamic Course, Waseda University, Tokyo, Nov. 19, 2021(15:00-17:00 JST).
- **“Synthesis of Geospatial Database and Interdisciplinary to Achieve NSDS for Downtown Alexandria, Egypt Vision 2030”**. 30th International Cartographic Conference (ICC 2021). Florence, Dec., 17, 2021. (14:45-15:00 CET).
- **“Synthetic Technics and Interdisciplinary Approach for Cultural Heritage in the Time of Natural and Man-Made Disaster”**. Climate, Culture, Peace Conference. ICCROM, British Council, Jan., 27., 2022 (10:05-10:15 CET).
- **“Qait’bay Citadel (1477-1479): Visualizing the Main Coastal Fortification of Medieval Alexandria, Egypt”**. ARC-IJAC Annual Meeting, Ritsumeikan University, Feb 26., 2022 (8:45-9:00 JST).
- **"Synthesizing Interdisciplinary Approach and Advanced Technique: A Resilient Intervention for a Vulnerable Cultural Heritage"**. Egypt Japan Multidisciplinary Science Forum, Climate Change, Sustainable Development, and the Green Economy. Japan Society for the Promotion of Science (JSPS). Conference hall of NRIAG. March 19, 2022 (14:30-14:45 CLT).
- **"Geodesign for Sustainable Planning" Seminar. E-JUST. March 23, 2022 (10:00-13:00 CLT)**.
 - Session 1: “Geodesign Workflow for Building a Strategic Change Model (Cultural heritage urban mobility and environment)”.
 - Session 2: “Sustainable Geodesign for Downtown Alexandria to Achieve the SDGs, Egypt vision 2030”.
- **"Synthesizing Interdisciplinary Approach and Advanced Technique: A Resilient Intervention for a Vulnerable Cultural Heritage"**. Webinar on Climate Change, Heritage and Museums in Egypt. UNESCO-Cairo Office. March 27, 2022 (11:30-11:40 CLT).
- **"Delineation of Historic Cairo Water System: A Medieval Water Management Approach"**. Workshop: “Aqueducts, canals, qanats: construction and management of water conduits in the late antique and medieval periods”. Faculty of Arts, Department of History, Art History and Classics. Radboud University Nijmegen, Netherlands. Thursday June 23, 2022 (15:45-16:00 CET).
- **“Sustainable Geodesign for Downtown Alexandria to Achieve the SDGs, Egypt Vision 2030”**. E-JUST, Alexandria, Nov. 29, 2022.
- **“Adoption of The Interdisciplinary Approach and Advanced Techniques for The Sustainability of Cultural Heritage”**. Organized by the Royal Jewellery Museum-MoTA, Conference Hall of ANM, Alexandria, March 12, 2023.
- **“Medieval Cairo: A Journey to the City of Arabian Nights”**. The Embassy of Egypt in Japan. The Education, Cultural, and Science Bureau in Tokyo. July 4, 2023.
- **“Applicability of 3D modelling multi-techniques for digitizing museums and archaeological sites”**. Princess Noura Bint Abdelrahman University, KSA. Nov. 12, 2023
- **“Interpretational Correlation between the Hydrological Infrastructre and Water Architecture in Islamic Alexandria”**. "Archaeology of Irrigation Technology and Water Management in the Islamic World Conference". Manama, Bahrain Kingdom. Jan. 7-9, 2024.

- **"Methodological Intervention for Preserving the Egyptian Cultural Heritage in the Age of Digital Humanities"**. International Workshop "Studies on Middle Eastern Heritage Science", Waseda University, Tokyo. Feb. 3-4, 2024.
- **"Climate Strategies for the Cultural Heritage of Alexandria and North Delta: Compatibility of National Policies with Global Environmental Demand"** IGC Annual Summit and Meeting. Esri Headquarters, Redlands-California, USA. April 7-10, 2024.
- **"A JSPS Research Life: Philosophy, Knowledge, and Commitment"**. The 40th JSPS Anniversary in Egypt. The Embassy of Japan in Egypt. July 25, 2024.
- **"Detection of Historic Cairo Water Heritage from a Sustainable Perspective"**. University Heritage Forum (UHF) Webinar Series. UNESCO-Cairo Office. August 20, 2024.
- **"3D Modelling and AI for preservation of Culture Heritage Properties-A Vision"**. The Arab Association of Civilization and Islamic Art (AACIA). Cairo, Oct. 12, 2024.

III. Other achievements

- Full participant in interactive workshops of "International Augmented Med Project (IAM)"-an international project, in collaboration between Bibliotheca Alexandrina & the European Union:
 - 3D show About "ancient Alexandria with New Eyes" in the galleria of Bibliotheca Alexandrina, 2013- 2014
 - 3D show about "Legendary Cleopatra" in Qait'bay Fort in Alexandria", Alexandria, 2015.
- Conducting long term collaboration between Ritsumeikan University and the Egypt-Japan University of Science and Technology (E-JUST).
- Story Map entitled: "Detection and Utilization of the Napoleonic Map of Alexandria to Achieve NSDS, Egypt Vision 2030" to "Esri Japan User Conference 2021", May 20 & 21, 2021.
<https://www.esri.com/events/gcf/gcf2021-online/map-gallery/>
- Poster presentation: **"Urban Change Survey of Medieval Alexandria (Evolution Destinations and Shrinkage Factors Via Remote Sensing and GIS)"**, the 34th International Geographical Congress (IGC 2020), Istanbul University, Istanbul, Turkey, August 17 - 21, 2021.
- Episodes entitled: **"A Day in the Life of an Egyptian Archaeologist"**. Produced by Arlington Community Media Inc. (ACMI)-USA
-https://acmi.tv/videos/a-day-in-the-life-of-an-egyptian-archaeologist-in-kyoto-japan/?fbclid=IwAR1yvvnNTjOrxZx39KD4nh_9NgmJSEpFarmNfJc0MfJSj3aL2vhZUZogVThE
-<https://acmi.tv/videos/a-day-in-the-life-of-an-egyptian-archaeologist-dr-el-baz-dr-soliman/?fbclid=IwAR3fgeDN3r0KWas-15TZgmQsYIyU8EhkAwp-lwubjx4RtJIP88xtQ6m6AtQ>
- Documentary: **"A Sun God's Shadow: Dr. Soliman Chases Akhenten's Legacy"** Produced by Arlington Community Media Inc. (ACMI)-USA. March, 2024 <https://www.youtube.com/watch?v=yD4hEjJ5gU0>

Research Project Achievements

- Principal investigator (PI) of project "Sustainable solutions to cultural heritage preservation in the Asyut region", with a UK partner, in reaction to a call launched by the Arts and Humanities Research Council (AHRC) and Science & Technology Development Fund (STDF), March 2016 to Oct. 2018.
- Coordinator & member of project "Hydrological Water logging problem in Abu Mena WHL, Burg al-Arab, Alexandria", MoA in collaboration with NARSS, July 2107- Oct. 2018.
- Member of project "Foundation of Informatics Database for Kafr el-Sheikh Governorate", NARSS in collaboration with Kafr el-Sheikh Governorate, December, July 2017- June 2018.
- Member of project "Providing Information Base Maps for National Projects in Alexandria Governorate", NARSS in collaboration with Alexandria Governorate, July 2017- June 2019.
- Principal investigator (PI) of project "Reviving the Cultural Heritage of Bayt El-Qady in Historic Cairo Context Using Terrestrial Laser Scanning And GPS: (Case Study: Qa'at Mohib el-Din Abu el-Tayeb, Maqa'ad

Mamai el-Saifi and the Vault of Bayt el-Qady)". National Research Institute of Astronomy and Geophysics in collaboration with the Ministry of Antiquities, March-Nov., 2019.

- Member of project "Geo-Technical Investigation of Underground water at Hawara Pyramid and its Context". NRIAG in collaboration with Nottingham Trent University, & Ministry of Antiquities, 2019 - 2022.
- Member of project "VR project of Sultan Qalawun Complex in Historic Cairo, 1285CE". In collaboration with Tokyo University for Foreign Studies (TUFS), 2019-present.

<https://blog2020.aa-ken.jp/p/qalawun/project/members/>

- Principal investigator (PI) of project "Sustainable Geodesign for the Urban Cultural Heritage of Alexandria, Egypt 2030: Homogeneity of Authenticity & Modernization", (DMUCH), Ritsumeikan University (RU) & GeodesignHub, Kyoto Japan, 2020. <https://www.geodesignhub.com/p/2f0b7769eba1e397/design/>
- Principal investigator (PI) of project "Sustainable Alternative Future for Kom al-Nadura Cultural Heritage Site, Alexandria-Egypt 2030", (DMUCH), Ritsumeikan University (RU) & GeodesignHub, Kyoto Japan, 2020.
- Principal investigator (PI) of "Construction of GIS Database of Alexandria Based on the Old Maps. ArcGIS Online based on ArcGIS Experience Builder 2021", DMUCH, Ritsumeikan University, 2021.
- Principal investigator (PI) of project "Qait'bay Citadel (1477-1479): Visualizing the Main Coastal Fortification of Medieval Alexandria, Egypt" in collaboration with E-JSUT. Funded by ARC-IJAC, Art Research Centre, Ritsumeikan University, FY 2021, FY 2022, FY 2024. <https://storymaps.arcgis.com/stories/f01754653e9d460d83c4073c9b30be9b>
- Restoration of the Archaeological Water System of Alexandria for Sustainable Development -Via Remote Sensing and GIS. Funded by KAKENHI (Research in-Aid). Nov. 8, 2019-March 31, 2022. <https://kaken.nii.ac.jp/en/grant/KAKENHI-PROJECT-19F19306/>
- "Mitigation of Climate Change Impact on North Delta & Alexandria Cultural Heritage into a Global Environmental Context". Supported by International Geodesign Collaboration (IGC), Esri Co., the Liechtenstein Institute for Strategic Development GmbH. July, 2023-April, 2024.

Industry-Government-University Project Experience

- Supervisor of project: "Rehabilitation of the Palace of Princess Fatima al-Zahraa Haydar (Royal Jewelry Museum) in Alexandria", the SCA, Alexandria, Dec. 2003- March 2010.
- Supervisor of project "Documentation, excavations and restoration project of Hajj Ibrahim Terbana Archaeological Mosque", the SCA, Alexandria, Oct. 2009- Jan. 2014.
- Consultant of project "Restoration & development of the archaeological cisterns of Alexandria", Faculty of Engineering-Cairo University, May to Jun 2013.
- Team leader of project "Development study of Kom al-Nadura archaeological site in Alexandria", Ministry of Antiquities, March 2014.
- Team leader of project "Development study of the sites of al-Mandara and al-Montaza Windmills in Alexandria", Ministry of Antiquities, April 2014.
- Team leader of project "Development study of the Islamic walls and towers of Alexandria", Ministry of Antiquities, 2014.
- Member of the High Committee of "Evaluation and Listing Mohamed Ali Dynasty's Jewellery and Badges of Honour", the Ministry of Finance, Cairo, Feb.-July 2016.
- Head of the committee of "Evaluation and listing Helwan Historic Observatory Site", MoA and NRIG, Cairo, March-May 2016.
- Member and Coordinator of the High Committee for the Rescue of Abu Mina WHL - West Alexandria, in collaboration with NARSS, NRIAG, AWRC and SRTA-City, May, 2017 to Dec. 2017.
- Team leader of "Survey of the Old Cairo (al-Fustat) Archaeological Objects", Ministry of Antiquities, 1st January to 28th Feb. 2019.

Educational Experience

I. Postgraduate:

- PhD: "Integrated Geophysical studies on the Early Islamic Capitals of Egypt (Fustat, Askar and Qata'i)". Geophysics Department, Faculty of Science, Ain Shams University. 2022.
- Master's thesis: "Strengthening Resilient Intervention to Mitigate Climate Change Impact on Cultural Heritage Sites: A Case Study on Tanis, Egypt". Helwan University, Egypt and Brandenburische Technische Universität-Germany, Dec., 2023.
- Other theses are running.

II. Courses:

- Instructor of the training course: "**Systems & policies of archaeological sites development**", Ministry of Antiquities, Alexandria National Museum, (23/9/2014 to 28/9/2014).
- Instructor of the training course of: "**Rules and principles of conservation**"- the Ministry of Antiquities in cooperation with University of South Valley-Qena, (5/4/2015 to 9/4/2015).
- Lecturer & organizer in the course of "Laser Scanning Application in the Cultural Heritage (Case Study: Historic Cairo)", within the project of "Reviving the cultural heritage of Bayt el-Qady in Historic Cairo context by using terrestrial laser scanner and GPS", NRIAG and MoA, 2019.
- Lecturer & organizer in the course of: "Underground Water Management and Cultural Heritage", UNESCO, Embassy of Italy in Cairo, NRIAG and Ministry of Antiquities, UNSECO-Cairo Office. 14-17 July 2019.
- Sustainable Geodesign for Downtown Alexandria Project, subsequently five interactive workshops were hold:
 - July 2020: Sustainable Geodesign for the Urban Cultural Heritage of Alexandria, Egypt 2030: Homogeneity of Authenticity & Modernization. Ritsumeikan University in collaboration with Geodesign Hub.
 - October 2020: Sustainable Alternative Future for Kom al-Nadura Cultural Heritage site, Alexandria 2030. Ritsumeikan University in collaboration with Geodesign Hub, and MoTA.
 - March 2021: Sustainable Geodesign of Alexandria Downtown in the Framework of NSDS, Egypt vision 2030. Ritsumeikan University in collaboration with Geodesign Hub, E-JUST, and NRIAG.
 - August 2021: "Geodesign Development for ARC Alexandria to Achieve the SDGs, Egypt Vision 2030", Ritsumeikan University in collaboration with Geodesign Hub, and AACIA.
 - "Geodesign for Sustainable Planning" Seminar. E-JUST. March 23, 2022.
- Instructor & organizer in the training course of: "Generating 3D model using photo scanning technique at the time of crisis: Applied on Kyoto City Archaeological Museum Collection". In collaboration with Ritsumeikan University, the General Union of Arab Archaeologists (GUAA), and NRIAG. GUAA, Cairo Office. June 28-30, 2022.
- Instructor & organizer in the training course of: "Sustainable Geodesign of Downtown Alexandria: Egypt Vision 2030". Ritsumeikan University in collaboration with Harvard University, Geodesign Hub, E-JUST and JSPS-Cairo Office. Nov. 29-30, 2022.
- Instructor of the training course of: "Generating 3D model for museums' collections using photo scanning technique". Organized by Museums Sector (MoTA) in collaboration with ARC-Ritsumeikan University and JSPS-Cairo Office. Akhenaton Museum, Al-Minya. March 7-9, 2023.

Skills

- English language course. Excellent Grade. Centre of Linguistics Studies and Translation (CLST). Faculty of Arts - Alexandria University, 2001.
- Arabic Language advanced Course. Very good grade. Centre of Linguistics Studies and Translation (CLST). Faculty of Arts - Alexandria University, 2004.

- TOEFL of English language. Centre of Language Studies and Translation (CLST). Faculty of Arts - Alexandria University, 2009.
- Japanese Language: Excellent Grade, Kyoto City International Center. 2023.
- Advanced course in: "Remote Sensing and GIS applications in Archaeology", NARSS, Cairo, January 2018.
- Advanced course in: "Terrestrial Laser Scanner Application in Archaeology", Informatics Institute City of Scientific Research and Technological Application (SRTA-City), Alexandria, 18-28, March, 2018.
- Advanced course in: "Applications of Ground Penetrating Radar "GPR" and Electrical Techniques in Archaeology", the National Research Institute of Astronomy and Geophysics (NRIAG), 15-31, July, 2018.
- "International Training Course (ITC) on Disaster Risk Management of Cultural Heritage 2021". Ritsumeikan University (R-DMUCH) in collaboration with ICCROM. Aug 23.-7 Oct. 7, 2021
- Advanced course: "concepts and methods of Geographic Information Science". Kingston University in collaboration with Ritsumeikan University. 2021
- Advanced course in: "Spatial Data Science: The New Frontier in Analytics", Environmental Systems Research Institute, Inc. (ESRI), August 30 to Oct. 11, 2023.
- Intermediate training:" Transforming Earth Observation (EO) Data into Building Infrastructure Data Sets for Disaster Risk Modelling". National Aeronautics Space Administration. Oct. 3 to 10, 2023.
- Advanced course in: "Imagery in Action", Environmental Systems Research Institute, Inc. (ESRI), Sept. 20 to Oct. 31, 2023.
- Advanced course in: "GIS for Climate Action", Environmental Systems Research Institute, Inc. (ESRI), Oct. 25 to Dec. 5, 2023.
- Advanced course in: "3D Digital Documentation of the Cultural Heritage and Its Application". Tokyo National Research Institute for Cultural Properties. Tokyo, Oct. 20-Nov. 1, 2024.