

Curriculum Vitae

Name : Mahmoud Adel Hassaan Hassan

Date of birth : 27/01/1967

Place of birth : Alexandria, Egypt

Religion : Moslem

Gender : Male

Marital status : Married, with a daughter and a son

Address : 67 Galal El Dessouky St., Bab Shark, Alexandria.

Phone : +20 01009059072

E. Mail : mhassaan@hotmail.com
mhassaan@arca-eg.org

Present Post : Associate Professor, Department of Environmental Studies, Institute of Graduate Studies and Research (IGSR), University of Alexandria.

Previous posts :

From 2010 – 2012 Associate professor, Department of Geography, Faculty of Arts, University of Damanhour.

From 2004- 2010 Assistant Professor, Department of Geography, Faculty of Arts, University of Alexandria, (Damanhour Branch).

From 1998- 2004 Assistant Lecturer, Department of Geography, Faculty of Arts, University of Alexandria, (Damanhour Branch)

Qualifications :

Ph. D. (2003) Environmental Studies, Economics and Management Division, Department of Environmental Studies, Institute of Graduate Studies and Research, University of Alexandria, Title of thesis: “Assessment of urban land use using GIS, Case study: Damanhour city”

M. Sc., (1995) Environmental Studies, Economics and Management Division, Department of Environmental Studies, Institute of Graduate Studies and Research, University of Alexandria, Title of thesis: “A socioeconomic study on unplanned urbanization: Case study El-Assafra South”

B.A, (1989) (Good), Cartography and survey Section, Geography Department, Faculty of Arts, University of Alexandria.

Workshops Attended

Workshop on Communicating Climate Adaptation Research for Influence and Impact in Africa, Organized by IDRC-Canada, 22-26 September 2014, Pretoria, South Africa.

Workshop on Applying the Climate Change Vulnerability Assessment Methodology in the Arab Region, Organized by ESCWA 11-13 May 2014, Beirut, Lebanon

Workshop on Economic Analysis of Adaptation Options to Climate Change-African Adaptation Research Centres (AARC) initiative, Organized by IDRC-Canada, 8-11 September 2012, Maanzoni Centre in Machakos, Kenya.

Seminar on Urban Forms and Dynamics of Informal Quarters in Mediterranean, organized by CEDEJ, 13-19 December 2000, Cairo-Egypt.

Training course on "Introduction to PC Arc/Info", organized by Environmental System Research Institute, Inc., 15-18 August, 1999, Cairo, Egypt.

Teaching workshop on "Applications of Multimedia Technologies", organized by the MED.CAMPUS, 2-7 September, 1995, Alexandria, Egypt.

Teaching Experience:

Participating in teaching a number of courses at:

- Environmental Studies Department, Institute of Graduate Studies and Research, Alexandria University (2012 up till now).
- Geography Department, Faculty of Arts, Damanhour, Alexandria University including Urban Geography. (1998 -2006 & 2010-2012)
- Geography Department, Faculty of Arts, Princess Nora Bent Abdul Rahman University, KSA (2006-2010).

Research work :

- **Hassan M. A.**, 2015, A GIS-Based Suitability Analysis for Siting a Solid Waste Incineration Power Plant in an Urban Area Case Study: Alexandria Governorate, Egypt, Journal Of Geographic Information Systems, Vol. 7, Number 6, December 2015, pp. 643-657
<http://www.scirp.org/Journal/PaperInformation.aspx?PaperID=62382>
- **Abdrabo M.A., M.A. Hassan**, 2015 An integrated framework for urban resilience to climate change - Case study: Sea level rise impacts on the Nile Delta coastal urban areas, Journal of Urban Climate, 2015, Vol. 14 Part 4, 2015, pp. 554-565. DOI [:10.1016/j.uclim.2015.09.005](https://doi.org/10.1016/j.uclim.2015.09.005)

- Abdrabo M.A., **M.A. Hassaan** and A. N. Selmy, 2015, Economic valuation of sea level rise impacts on Agricultural sector in the northern governorates of the Nile Delta, Low Carbon Economy, Vol. 6, Number 2, June 2015, pp.51-63.
<http://www.scirp.org/Journal/PaperInformation.aspx?PaperID=57314>
- Abdrabo M.A. and **M.A. Hassaan**, 2014, Assessing resilience of the Nile Delta urban centers to sea level rise impacts, A paper presented at 5th Global Forum on Urban Resilience & Adaptation, Bonn, Germany 29-31 May 2014. http://resilient-cities.iclei.org/fileadmin/sites/resilient-cities/files/Resilient_Cities_2014/RC2014_Congress_Proceedings/RC2014_congress_proceedings_Abdrabo.pdf
- Abdrabo, M.A. and **M.A. Hassaan**, 2013, Economic valuation of Sea level rise impacts on agricultural sector: Damietta governorate, Egypt, Journal of Environmental Protection, Vol. 5, Number 2, February 2014, pp. 87-95
<http://www.scirp.org/journal/PaperInformation.aspx?PaperID=43218#.Uw3ViPSSwVk>
- **Hassaan, M.A.**, 2013, GIS-based risk assessment for the Nile Delta coastal zone under different sea level rise scenarios case study: Kafr EL Sheikh Governorate, Egypt, Journal of Coastal Conservation: Planning and Management, Vol. 17, Issue 4, 2013, pp. 743-754
<http://link.springer.com/article/10.1007%2Fs11852-013-0273-0>
- **Hassaan, M.A.** and M.A. Abdrabo, 2013, Vulnerability of the Nile Delta coastal areas to inundation by sea level rise, Environmental Monitoring and Assessment, Vol. 185, No. 8, 2013, pp. 6607-6616
<http://link.springer.com/article/10.1007%2Fs10661-012-3050-x>
- **Hassaan, M. A.**, 2012, "Geographical analysis of the impacts of shoreline changes using remote sensing and GIS techniques Case study: Rosetta Nile branch promontory, Egypt", The Arabian Journal of Geographical Information systems, Vol. 5, No. 1, 2012, pp. 1-24.
<http://www.saudigs.org/tabid/203/ProdID/59/CatID/4/Default.aspx>
- Abdrabo, M.A. and **M. Hassaan**, 2010, Adaptation to the impacts of sea level rise in the Nile Delta coastal zone, Egypt project, A presentation made at Coastal Zone Canada International Conference 2010, held in Charlottetown, Prince Edward Island, 25-29 July 2010.
- Abdrabo, M.A. and **M. Hassaan**, 2010, Assessment of socioeconomic vulnerability to SLR using GIS: Damietta, Egypt, A paper presented at the Deltas in times of climate change, held in Rotterdam, on 29 September – 1 October 2010
- **Hassaan, M. A.**, 2010, "Measuring and mapping human development index at local level Case study: Damietta, Egypt", The Arabian Journal of Geographical Information systems, Vol. 3, No. 1, 2010, pp. 97-121.
<http://www.saudigs.org/tabid/203/ProdID/78/CatID/4/Default.aspx>

- Abdel Wahab, Sameh E. and **M. A. Hassaan**, 2009, Credibility of using satellite images in developing urban heat islands models Case study: Great Cairo, Bulletin of Kuwaiti Geographical Society, July 2009 (Arabic).
- **Hassaan, M. A.**, 2009, "Change Detection of Inland Water Bodies Using Remote Sensing Technique Case study: Lake Maryuit, Egypt", The Arabian Journal of Geographical Information systems, Vol. 2, No. 2, 2009, pp. 74-101.
- **Hassaan, M. A.**, 2008, "Mapping urban heat islands using remotely sensed data Case study: Alexandria city, Egypt", Bulletin of Faculty of Arts, University of Alexandria, Vol. 59, 2008, pp. 175-202.
- Abdrabo, M. A. and **M. A. Hassaan**, 2008, "Economic valuation of Lake Maryuit function as a deterrent to urban expansion in Alexandria", A Paper presented at the international Conference "Sustainable Management of Mediterranean Coastal Fresh and Transitional Water Bodies: A Socioeconomic and Environmental Analysis of Changes and Trends to Enhance and Sustain Stakeholder Benefit", Held in Malta, 5-8 November 2008.
- **Hassaan, M. A.**, Serrano L, Serrano O, Mateo MA, Abdrabo M., 2008, "Suitability Analysis of Water Quality in Lake Maryuit for Economic Activities Using GIS Techniques", A Paper presented at the international conference "Sustainable Management of Mediterranean Coastal Fresh and Transitional Water Bodies: A Socioeconomic and Environmental Analysis of Changes and Trends to Enhance and Sustain Stakeholder Benefit", Held in Malta, 5-8 November 2008.
- Abdrabo, M.A. and **M. Hassaan**, 2007, "Urban sustainability: Assessment of resources mobilization potentials for informal areas upgrading, case study Alexandria Egypt", A paper presented at the 2nd Conference on Municipal Action, held 24-25 April 2007, Ajman, UAE.
- **Hassaan, M. A.**, 2007, "Assessment of Poverty Incidence Using GIS", Al Ensaniat, Bulletin of Faculty of Arts in Damanshour, University of Alexandria, Vol. 25, November, 2007, pp. 1 - 32.
- **Hassaan, M. A.** and M. A. Abdrabo, 2005, "Poverty Levels and Environmental Quality in Rosetta Egypt" A paper presented at MEDCORE Project International Conference "The Mediterranean Coastal Areas From Watershed to The Sea: Interactions and Changes", Held in Florence-Italy, 10-14 November, 2005.
- Abdrabo, M.A., and **M. Hassaan**, 2004, "Assessment of possible policy options to air pollution problem: Case study Wadi-el-Qamar, Alexandria", A paper presented at the Second Dubai International Conference on Atmospheric Pollution, Dubai, 21 – 24 February 2004.
- **Hassaan, M. A.** M. A. Abdrabo, M. El Raey And M. A. Bahgat El Fadly, 2004, "Using Geographic Information System as a Decision Support System

for Urban Land Management, Case study: Egypt" A paper presented at the International Conference on Future Vision and Challenge for Urban Development, Held in Cairo-Egypt, 20-22 December, 2004.

- Abdrabo, M. A. and **M. A. Hassaan**, 1999, "Valuing the Economic Cost of Urban Encroachment on Agricultural Land", A Paper presented at the International Conference on Environmental Management, Health and Sustainable Development, held in Alexandria, Egypt, 22-25 March 1999.
- Abdrabo, M. A. and **M. A. Hassaan**, 1999, "Economic Valuation of Air Pollution Impacts on Agricultural Land", A Paper presented at the International Conference on Environmental Management, Health and Sustainable Development, held in Alexandria, Egypt, 22-25 March 1999.
- Abdrabo, M., S. Helmi, and **M. A. Hassaan**, 1997, "A Socioeconomic Study of Unplanned Urbanization: Case Study Alexandria", A Paper presented at the International Conference on the Urban Environment in the Mediterranean: the Population Flow from Rural to Urban Areas-Problems and Implications, held in Valetta, Malta, 5-7 October, 1997.

Consultations:

- Participating in a project entitled "From river catchments areas to the sea: comparative and integrated approach to the ecology of Mediterranean coastal zones for sustainable management" (**MEDCORE Project**), sponsored by the EC, 2003 - 2005.
- Participating in a project entitled "Sustainable management of Mediterranean coastal fresh and transitional water bodies: a socio-economic and environmental analysis of changes and trends to enhance and sustain stakeholders benefits" (**WADI Project**), sponsored by the EC, January 2006 – September 2006.
- Participating in a project entitled "Adaptation to the impacts of sea level rise in the Nile Delta coastal zone, Egypt, Sponsored by IDRC, July 2011- April 2012.
- Participating, as a training officer, in a project entitled "Establishing Alexandria Research Center for Adaptation to Climate Change", Sponsored by IDRC Canada, 2011-2014.
- Participated in a short-term consultancy with IUCN for "Developing an integrated framework for resource mobilization and valuation of ecosystem benefits in Egypt", June – September 2015.

Participation in conferences:

- The Second National GIS Symposium in Saudi Arabia, held in Khobar, KSA, 23-25 April, 2007.

- The International Conference “The Mediterranean Coastal Areas From Watershed to The Sea: Interactions and Changes”, Held in Florence-Italy, 10-14 November, 2005.
- The International Conference on Future Vision and Challenge for Urban Development, Held in Cairo-Egypt, 20-22 December, 2004.

Training Experience:

- Lectured in the following Training Courses:
 - "An introduction to GIS" organized by Faculty of Arts in Damanhour, University of Alexandria, August 2005, Damanhour, Egypt.
 - "Remote Sensing for Geographers", organized by Faculty of Arts in Damanhour, University of Alexandria, July 2006, Damanhour, Egypt.
 - "Developing GIS Using ArcGIS", organized by Faculty of Arts, Princess Noura bent Abdul Rahman University, January 2010, Riyadh, KSA.
 - "Spatial Analysis Using ArcGIS", organized by Faculty of Arts, Princess Nora bent Abdul Rahman University, March 2011, Riyadh, KSA.
 - "GIS for Socioeconomic Applications", organized by Alexandria Research Center for Adaptation to Climate Change (ARCA), 2-3 June 2012, Alexandria.
 - "How to Develop a Project Proposal", organized by Alexandria Research Center for Adaptation to Climate Change (ARCA), 9-11 April 2013, Alexandria.
 - "GIS Applications in Assessing Vulnerability to Sea Level Rise", organized by Alexandria Research Center for Adaptation to Climate Change (ARCA), 19-21 November 2013, Alexandria.
 - “Developing a GIS for Coastal Applications”, organized by Coastal Research Institute (CoRI), 26-30/04/2015, Alexandria.
 - “Remote sensing for Geographers”, organized by Faculty of Arts, Damanhour University, 20/08-17/09/2015, Damanhour.

Theses supervision

- M.Sc. Thesis entitled “Gabal Bodea area in Western North Tih plateau: A Geomorphological study”, Faculty of Arts, Damanhour Branch, Alexandria University, Completed 2009.
- M.Sc. Thesis entitled “The geomorphological constraints for settlements expansion and sustainable development of the Western Desert margin of El Minya Governorate”, Faculty of Arts, Damanhour University, Completed 2011.
- M.Sc. Thesis entitled "Economic valuation of sea level rise impacts on agriculture in the coastal area of the Nile Delta Using an econometric approach", Institute of Graduate Studies and Research,

Alexandria University, Completed 2014.

- M.Sc. Thesis entitled " Application of Measuring Human Development Index (HDI) at Local Level Case study: Alexandria", Institute of Graduate Studies and Research, Alexandria University, Completed 2014.
- M.Sc. Thesis entitled "Assessment of Coastal Vulnerability to Sea Level Rise Study area: East of Alexandria", Institute of Graduate Studies and Research, Alexandria University.
- M.Sc. Thesis entitled "Assessing potential utilization of solid and liquid waste in electricity generation- case study: Alexandria", Institute of Graduate Studies and Research, Alexandria University.
- Ph.D. Thesis entitled "GIS-enabled tourism portals as an innovative tool for tourism promotion: an applied study on Bahariya Oasis", Faculty of Tourism and Hotels, Alexandria University.

Invited Reviewer to the following International Journals

- Journal of Scientific Research and Reports.

Published Books:

- Abdrabo, M. and **M. A. Hassaan**, 2006, Urban environment: Challenges and opportunities, International Zayed Prize for the Environment, Dubai (Arabic).
- Abdrabo, M.A. and **M. A. Hassaan**, Wetland Socioeconomy: The Case of Lake Maryut (Egypt) in F. Scapini and G. Ciampi, Gabriele (Eds.), Coastal Water Bodies: Nature and Culture Conflicts in the Mediterranean, Springer, Dordrecht, Netherland, 2010, pp. 21-43.

Research Interests:

- Vulnerability and adaptation to climate change.
- Urban Environment.
- Land use and socioeconomic studies.
- GIS and Remote sensing applications.