



**Faculty of Arts**

**Department of Geography and**

**Geographic Information Systems**

## **Curriculum Vitae**

**Prof. Dr. Fatma Mohamed Ahmed Abd el-Samed**

**Full-time Professor, In the Department of Geography and  
Geographic Information Systems**

**And Vice Dean of the Faculty of Arts for Community Service  
and Environmental Development Affairs (Former)**

**2025**

### **First: Personal data:**

- **Name: Prof. Fatma Mohamed Ahmed Abd el-Samed**
- **Date of Birth: September. 2/9/ 1960**
- **Place of Birth: Fayoum Governorate, Egypt**
- **Marital Status: Married**
- **Current Position: Full-time Professor, Department of Geography, Faculty of Arts, Helwan University**
- **Former Position: Vice Dean for Community Service and Environmental Development**
- **Specialization (General): Human Geography and Cartography**
- **Specialization: Services Geography and Cartography**
- **Scientific interests:**
  - ❖ **Geographic Information Systems (GIS)**
  - ❖ **Tourism Development**
  - ❖ **Urban Planning**

### **Second: Academic qualifications:**

- \* **Bachelor in Arts, Department of Geography (Cartography Section) (Very Good) May 1982, Cairo University.**
- \* **Master's in Arts, Department of Geography, 1991, Cairo University (Excellent)**
- \* **PhD in Arts, Department of Geography, 1998, Cairo University (First Class Honors)**

### **Third: Career progression:**

- \* **Assistant Lecturer, Department of Geography, Faculty of Arts, Helwan University, from June 9, 1996.**
- \* **Lecturer, Department of Geography, Faculty of Arts, Helwan University, from November 29, 1998.**

\* Assistant Professor, Department of Geography, Faculty of Arts, Helwan University, from June 29, 2008.

\* Professor, Department of Geography, Faculty of Arts, Helwan University, from December 29, 2015 to date.

\* Vice Dean for Community Service and Environmental Development, Faculty of Arts, Helwan University, from September 20, 2016 to September 15, 2020.

\* Administrative decision to manage the Geography Department from April 30, 2019 to December 30, 2019.

\* Acting Dean of the College from August 25, 2020, to September 15, 2020.

\* Full-time Professor in the Department of Geography, as of September 3, 2020.

\* Coordinator of the Professional Diploma in Applied Geographic Information Systems (Graduate Studies) Program, from August 28, 2020, to August 31, 2023.

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### **Published Academic Researchs**

#### **Master's Thesis**

- Title: Urban Patterns in the Northern Nile Delta Region – A Field Study of the Kafr El-Sheikh Area
- University: Cairo University, Faculty of Arts, Department of Geography, 1990 – *Excellent*

#### **Ph.D. Dissertation**

- Title: Educational Services in Cairo Governorate – A Geographical Study, Faculty of Arts, Department of Geography, Cairo University, 1998 (*First Honors*).

### **Third: Published research:**

- 1. Recreational Services in Giza City: A Study in Applied Geography, Faculty of Arts Journal, Helwan University, Issues 15 and 16, 2004.**
- 2. The Geographical Dimensions of Medical Tourism in Egypt, Egyptian Geographical Society, Geographical Research Series, Issue 15, 2006.**
- 3. Drinking Water in Giza City: A Study in the Geography of Services, Egyptian Geographical Society, Geographical Research Series, Issue 19, 2007.**
- 4. Technical Secondary Education in Egypt: A Study in the Geography of Services, Journal of African Research and Studies - Special Peer-Reviewed Bulletin - Issue 86 - 2008.**
- 5. Geographical Components of Religious Tourism in Cairo Governorate, Journal of African Research and Studies - Special Peer-Reviewed Bulletin - Issue 87 - 2008.**
- 6. Environmental Controls for Tourism in Fayoum Governorate, Egyptian Geographical Society, Geographical Research Series, Issue 52, 2012.**
- 7. Geographical Analysis of Basic Education in the Villages of Atfih District, Giza Governorate, Egyptian Geographical Society, Geographical Research Series, Issue 62, 2013.**
- 8. Land Uses in Helwan, Extracted from Satellite Observations, Egyptian Geographical Society, Geographical Research Series, Issue 70, 2013.**
- 9. Solid Waste in Giza City, A Study in the Geography of Services, Egyptian Geographical Society, Geographical Research Series, Issue 76, 2014.**
- 10. Spatial and Functional Analysis of Public Primary Education Services in Giza City Using Geographic Information Systems, Middle East Research Center, Middle East Research Center Series, Ain Shams University, Issue 2, 2014.**
- 11. The Central Business District in Giza City: An Applied Study of Arab League Street, Middle East Research Center, Middle East Research Journal, Ain Shams University, Issue 38, 2016.**

**A report on the overall scientific, cultural, and applied activities  
of Prof. Dr. Fatma Mohamed Ahmed Abdel Samad**

**Professor, Department of Geography and Geographic Information Systems  
and former Vice Dean of the Faculty of Arts for Community Service and  
Environmental Development Affairs**

**First: University teaching:**

**- Teaching many courses since 1998 until now in the following subjects:**

<b>1. Geography of Services</b>	<b>13. Technical Methods and Graduation Project</b>
<b>2. Geography of Cities</b>	<b>14. Reading and Analyzing Aerial Photographs and Remote Sensing</b>
<b>3. Geography of Recreation and Tourism</b>	<b>15. Analyzing Contour and Geomorphological Maps</b>
<b>4. Geography of the Arab World</b>	<b>16. Practical Geography</b>
<b>5. General Geography</b>	<b>17. Models and Theories (Graduate Studies)</b>
<b>6. Geographic Information Systems</b>	<b>18. Modern Trends in the Study of Educational Services (Graduate Studies)</b>
<b>7. Weather and Climate Maps</b>	<b>19. Special Topic in Social Geography (Graduate Studies)</b>
<b>8. Satellite Image Analysis</b>	<b>20. Research Hall (Graduate Studies)</b>
<b>9. Distribution Maps</b>	<b>21. Research Methods (Graduate Studies)</b>
<b>10. Principles of Remote Sensing</b>	<b>22. Contemporary Trends in Service Geography (Graduate Studies)</b>
<b>11. Physical Maps</b>	<b>23. Geographic Information Systems (Graduate Studies)</b>
<b>12. Principles of Cartography and Surveying</b>	<b>24. Remote Sensing Applications (Geomatics and GIS Programs)</b>

• **Faculties Taught In:**

- ❖ Faculty of Arts – Helwan University
- ❖ Faculty of Education – Helwan University
- ❖ Faculty of Tourism and Hotels – Helwan University

## **Second: Supervision of Scientific Theses:**

- 1- Ahmed Khaled Ahmed El-Sayed Youssef, Analysis of the Basic Education Map in East Cairo Region “Using Geographic Information Systems”, Master’s Thesis, Department of Geography and Geographic Information Systems, Faculty of Arts, Helwan University, 2019**
- 2- Amina Mohamed Abd elAziz, Spatial Analysis of Solid Waste in Giza City “A Study in Service Geography Using Geographic Information Systems”, Master’s Thesis, Department of Geography and Geographic Information Systems, Faculty of Arts, Helwan University, 2019.**
- 3- Iman Hussein Saeed Amara, Spatial Analysis of Desert Urbanization in Bahariya Oasis “An Applied Study in Urban Development Using Geomatics Techniques” PhD Thesis, Faculty of Girls, Ain Shams University, 2019.**
- 4- Israa Mustafa Ahmed Mustafa, "Health Services in Matariya District," "A Study in Service Geography Using Geographic Information Systems," Master's Thesis, Department of Geography and Geographic Information Systems, Faculty of Arts, Helwan University, 2020.**
- 5- Aya Ahmed Mohamed Nasr, "Spatial Analysis of Drinking Water Networks in Helwan: A Geographical Study Using Geographic Information Systems," Master's Thesis, Department of Geography and Geographic Information Systems, Faculty of Arts, Helwan University, 2020.**
- 6. Iman Safina Muhammad Sayed, Spatial Analysis of Basic Education Services in New Valley Governorate “A Study in Service Geography Using Geographic Information Systems (GIS)”, Master’s Thesis, Department of Geography and Geographic Information Systems, Faculty of Arts, Helwan University, November 2021.**
- 7. Fatma Omar Mohammed, Spatial analysis of social services for people with disabilities in Greater Cairo, using geographic information systems, a study in services geography, PhD thesis, Faculty of Girls, Ain Shams University, 2024 .**

### **Approved scientific theses:**

- 1. Mohamed Abd elSalam, "Geography of Health Services in Sharqia Governorate," unpublished master's Thesis, Department of Geography, Faculty of Arts, Helwan University, 2004.**
- 2. Islam Mohamed Ramadan, "Using Geographic Information Systems in the Study of Urban Sprawl on Agricultural Lands South of Cairo from 2000 to the Present," unpublished Master's Thesis, Department of Geography and Geographic Information Systems, Faculty of Arts, Helwan University, January 2017.**
- 3. Iman Hussein Saeed Mohamed, Development Evaluation of 10th of Ramadan and Sadat Cities, A Geographical Study Using Geographic Information Systems and Remote Sensing, Unpublished Master's Thesis, Department of Geography and Geographic Information Systems, Faculty of Arts, Helwan University, September 2017.**
- 4- Islam Mohamed Ramadan El-Nubi, "Developing an Intelligent Information Model for the Optimal Distribution of Social Services: An Applied Study on the City of Ismailia," PhD thesis, Department of Geography and Geographic Information Systems, Faculty of Arts, Helwan University, 2018.**
- 5- Sara Ezzat, "Urban Development in Damietta Governorate: A Study in Urban Geography Using Geoinformatics," Master's thesis, Faculty of Girls, Ain Shams University, 2018.**
- 6. Hamdi Hanafi Younis Mohammad, "Potentials and Obstacles to Tourism Development in the Republic of Uganda," "A Study in Tourism Geography," unpublished doctoral dissertation, Institute of African Research and Studies, 2017.**
- 7. Ahmed Attia Musa Muqrab, "Analysis and Update of Topographic Maps of Minya Center," "A Geographical Study," unpublished master's thesis, Department of Geography and Geographic Information Systems, Faculty of Arts, Helwan University, July 2017.**
- 8. Iman Hussein Saeed Mohamed, Development Evaluation of 10th of Ramadan and Sadat Cities, A Geographical Study Using Geographic Information Systems and Remote Sensing, Unpublished Master's Thesis,**

**Department of Geography and Geographic Information Systems, Faculty of Arts, Helwan University, September 2017.**

**9- Amira Zeinhom Abdullah Attia Karima, Department of Agamaliya - Cairo Governorate, "A Study in Urban Geography," unpublished master's thesis, Department of Geography, Faculty of Girls for Arts, Sciences and Education, Ain Shams University, February 2018.**

**10- Sayeda Sayed Ismail, Geographical Planning of Drinking Water and Wastewater Networks in Giza City Using Geographic Information Systems, Unpublished Master's Thesis, Department of Geography, Faculty of Humanities, Al-Azhar University, 2018.**

**11. Noura Saeed Abu Muslim Muhammad, Religious Tourism in the Makkah Region of the Kingdom of Saudi Arabia, A Study in Tourism Geography, Unpublished Master's Thesis, Institute of Asian Studies and Research, Department of Social Sciences, Geography Division, Zagazig University, 2018.**

**12- Magda Shawqi Mohammed Salama, Tourism Development Potential in the Kingdom of Morocco: A Study in Economic Geography Using Geographic Information Systems, Unpublished Master's Thesis, Department of Geography, Faculty of African Graduate Studies, July 2019.**

**13- Rabia Hassan Ibrahim Al-Khadrawi, Educational Services in the City of Zawiya - Libya (A Study in the Geography of Services), Unpublished Master's Thesis, Department of Geography, Faculty of Girls for Arts, Sciences and Education, Ain Shams University, July 2019.**

**14- Ahmed Saleh Mohammed Ali Al Naqbi, Human Development Indicators in the Emirate of Sharjah - United Arab Emirates (2000-2017) Using Geographic Information Systems, PhD Thesis, Department of Geography and Geographic Information Systems, Faculty of Arts, Helwan University, January 2020.**

**15- Ahmed Ibrahim Mohammed Saeed, Spatial Analysis of Educational and Health Services in the Yafran Region - Libya, Unpublished PhD Thesis, Department of Geography, Faculty of Humanities, Al-Azhar University, 2021.**

**16- Khaled Farouk Fahmy, Planned Commercial Complexes in Cairo Using Geographic Information Systems and Remote Sensing "A Study in**

Services Geography”, Unpublished PhD Thesis, Department of Geography, Faculty of Girls for Arts, Sciences and Education, Ain Shams University, October, 2022 AD.

17. Fatma Omar Mohamed Fakhr El-Din, Pre-University Education in Ain Shams District - Cairo Governorate “A Study in the Geography of Services”, Unpublished Master’s Thesis, Department of Geography, Faculty of Girls for Arts, Sciences and Education, Ain Shams University, March 2022.

### **Third: Training courses:**

1. Certificate from the National Authority for Remote Sensing and Space Sciences for completing the training course "Introduction to Geographic Information Systems and ArcView Software Package", 2002.

2. Certificate from the National Authority for Remote Sensing and Space Sciences for completing the training course "Advanced Geographic Information Systems and Arc 9.3 Software Package", 2009.

3. A certificate from the Ministry of Housing and Utilities (General Authority for Urban Planning) and the Egyptian Society of Engineers (Egyptian Society for Urban Planning) for completing the training course "Detailed Planning and Land Division" in 2004.

4. A certificate from Helwan University for completing several training courses within the project to develop the use of educational technologies at Helwan University, 2005, namely:

A. A course on using multimedia in preparing presentations and lectures.

B. A course on using spreadsheets in course management.

C. A course on using the Internet browser, email, discussion groups, and mailing lists.

D. Web page development course and using the Internet to access advanced information on academic curricula.

5. Effective presentation skills course, Helwan University, May 2005.

6. University curriculum design course, Helwan University, February 2006.

7. Modern trends in teaching course, Helwan University, March 2006.

8. **Decision-Making and Problem-Solving Course, Helwan University, May 2006.**
9. **Research Economics, Marketing, and Financing Course, Helwan University, June 2007.**
10. **Quality Assurance and Accreditation Course, Helwan University, July 2007.**
11. **Certificate from the National Authority for Remote Sensing and Space Sciences for completing the Advanced Geographic Information Systems (GIS) training course, using the GIS 9.3 Arc software package, 2009.**
12. **Self-Assessment and Continuous Assessment Course, October 19, 2010.**
13. **Crisis and Disaster Management Course, October 27, 2010.**
14. **Project Course with Question Bank, December 29-30, 2010.**
15. **Leadership Preparation Course, Helwan University, 2011.**
16. **Communication Skills in Different Learning Styles Course, July 28-29, 2015.**
17. **Strategic Planning Course, August 2015.**
18. **Scientific Publishing Course, August 2015.**
19. **Research Team Management Course, August 2015.**
20. **Scientific Conference Organization Course, August 2015.**
21. **Professional Behavior Course, Helwan University, September 2015.**
22. **Quantitative and Qualitative Data Analysis in Social Sciences Course Using SPSS, December 2016.**

#### **Fourth: Conferences and seminars:**

1. **The Second Forum of Arab Geographers, Egyptian Geographical Society, November 20-23, 2000.**
2. **African Food Security Symposium, Institute of African Research and Studies, Cairo University, 2003.**
3. **Urban Environment Symposium in Egypt, Department of Geography, Faculty of Arts, Cairo University, April 20, 2004.**

- 4. International Conference on Energy in Africa: "Potentials and Problems," March 25-26, 2007, Institute of African Research and Studies, Cairo University, 2007.**
- 5. The International Conference on Health in Africa, May 22-23, 2007, Institute of African Research and Studies, Cairo University, 2007.**
- 6. The Sixth Egyptian-Russian International Cultural Conference, "Dialogue among Civilizations: Human Rights between Theory and Practice," April 23-24, 2008, Helwan University.**
- 7. The Third International Scientific Conference, "Integrative Inter-Tourism: Regions and Development in the Mediterranean Basin," October 24-26, Helwan University, 2009.**
- 8. Egyptian Oases Symposium: "Problems and Development," Faculty of Arts, Cairo University, March 24, 2009.**
- 9. Symposium: Confrontation and Reconciliation between Man and His Environment, Faculty of Arts, Helwan University, 2012.**
- 10. Attending the Eleventh Employment Forum for Graduates of the Faculty of Arts, Helwan University, March 27-28, 2013.**
- 11. Nile River Symposium: "Participation in a Rare Resource," in cooperation with the National Center for Translation at the Ministry of Culture, Faculty of Arts, Helwan University, December 10, 2012.**
- 12. Accuracy of Automated Map Production, Faculty of Arts, Helwan University, March 7, 2013.**
- 13. The Problem of Translation, Faculty of Arts, Helwan University, March 25, 2013.**
- 14. The National Planning Institute's annual conference, titled "Population and Development Issues... Future Challenges," was held from December 17 to 19, 2013. The National Planning Institute, 2013.**
- 15. A symposium was held to discuss the Arabic translation of the book "Non-Conventional Energy Sources," at the National Center for Translation, Faculty of Arts, Helwan University, December 2, 2013.**

- 16. A symposium was held on assessing the geo-environmental risks of archaeological areas in Minya Governorate, Helwan University, March 13, 2014.**
- 17. Water Issue Symposium, Department of Geography, Faculty of Arts, Cairo University, March 15, 2014.**
- 18. International Conference: Potential Impacts of Climate Change on the African Continent, May 18–20, 2014, Institute of African Research and Studies, Cairo University, 2014.**
- 19. Scientific Symposium, Field Observations from East Africa, Department of Geography, Faculty of Arts, Cairo University, September 13, 2014.**
- 20. Symposium on the Future of the Planet: The Relationship between the Economy and the Environmental Crisis, Faculty of Arts, in collaboration with the National Center for Translation, Helwan University, Monday, November 3, 2014.**
- 21. Second Symposium on Geoenvironmental Risk Assessment of Archaeological Areas in Minya Governorate, November 25–27, 2014, Minya Governorate, 2014.**
- 22. Attending the Eleventh Employment Forum for Graduates of the Faculty of Arts, Helwan University, April 6, 2015.**
- 23. International Geographical Conference, "Trends of Sustainable Development in the Arab World and Future Prospects," April 27–29, 2015. Faculty of Arts, Helwan University, 2015.**
- 24. International Geographical Conference, "Tourism in Egypt and Africa: Potential and Reality, Challenges, Future, and Development Strategies," May 6–8, 2015. Institute of African Research and Studies, Cairo University, 2015.**
- 25. The Third International Conference, "The Future of Interdisciplinary Studies in the Humanities and Social Sciences," Faculty of Arts, Helwan University, March 15-16, 2016.**
- 26. The International Conference, "Visions of Change: New Trends in Linguistics, Literature, and Translation," Departments of English and French, Faculty of Arts, Helwan University, April 12-14, 2016.**

- 27. Attending the first Student Festival for Youth and the Environment (Green Tomorrow), organized by the Community Service and Environmental Development Unit, Faculty of Arts, Helwan University, held from March 21-22, 2016.**
- 28. Attending the fourth workshop to prepare the college's strategic plan, held from March 21, 2016.**
- 29. Participating in the 14th Employment Forum at Helwan University, held from April 28-29, 2016.**
- 30. First Aid and Life Support Seminar, Faculty of Arts, Helwan University, November 2, 2016.**
- 31. Attention Deficit Hyperactivity Disorder (ADHD) Awareness Seminar, Faculty of Arts, Helwan University, November 3, 2016.**
- 32. Colors as a Means to Change Lives for the Better Seminar, Faculty of Arts, Helwan University, November 9, 2016.**
- 33. Fire Risks Awareness Seminar and Available Methods to Reduce Them, Faculty of Arts, Helwan University, November 30, 2016.**
- 34. Environmental Pollution Symposium in Ecuador, Faculty of Arts, Helwan University, November 30, 2016.**
- 35. Positive Psychology, Youth Development, and Community Development Symposium, Faculty of Arts, Helwan University, November 13, 2016.**
- 36. Youth Media Experience Symposium – Sherif Madkour and Farah Ali as a Model, Faculty of Arts, Helwan University, November 20, 2016.**
- 37. Personality Strength and Self-Confidence Symposium, Faculty of Arts, Helwan University, November 27, 2016.**
- 38. Information Chaos Symposium, Faculty of Arts, Helwan University, November 28, 2016.**
- 39. Personality in a Book Symposium, Faculty of Arts, Helwan University, December 7, 2016.**
- 40. Arab-African Youth Forum on "Reducing Disasters Caused by Climate Change," December 22, 2016.**

**41. Anti-Corruption Symposium, Faculty of Arts, Helwan University, February 16, 2017.**

**42. Cultural Symposium entitled: "Between Poetry and Song," Faculty of Arts, Helwan University, February 28, 2017.**

**43. Conference on the Development of Slums in the Ma'asara Neighborhood: "Reality and Future," Helwan University, March 2, 2017.**

**44. A cultural symposium entitled "The History of Sunken Antiquities over a Hundred Years," Faculty of Arts, Helwan University, March 22, 2017.**

**45. A conference on the development of informal settlements, "Development and Advancement," applied to the Batn al-Baqara area in Old Cairo, at the October Higher Institute of Engineering and Technology, April 12–16, 2017.**

#### **Fifth: Administrative activity:**

**1- Vice Dean of the Faculty of Arts for Community Service and Environmental Development Affairs, September 20, 2016 to September 15, 2020.**

**2- Member of the Interim Council of the Egyptian Geographers Syndicate since 2021.**

**3. Helwan University Representative on the National Population Council from 2017 to present.**

**4. Founding Member of the Free Arab Women's Association and Vice President of International Protocols from February 1, 2020, for a two-year term.**

**5. Chairman of the Tripartite Committee for Developing the Geoinformatics Program Regulations - Modern Helwan University, March 2021.**

**6. Head of the Fourth Year Control Unit, effective from December 15, 2010, for the 2010/2011 academic year.**

**7. Head of the First Year Control Unit, effective from December 20, 2011, for the 2011/2012 academic year.**

**8. Head of the Second Year Control Unit, effective from December 25, 2012, for the 2012/2013 academic year.**

- 9. Head of the Third Year Control Unit, effective from December 20, 2013, for the 2013/2014 academic year.**
- 10. Head of the Fourth Year Control Unit, effective from December 20, 2014, for the 2014/2015 academic year.**
- 11. Member of the Cultural Relations Committee, Faculty of Arts, Helwan University, academic year 2002/2003.**
- 12. Member of the Equipment Committee, Faculty of Arts, Helwan University, academic year 2003/2004.**
- 13. Member of the Libraries Committee, Faculty of Arts, Helwan University, academic year 2005/2006 and 2006/2007.**
- 14. Member of the Community Service and Environmental Affairs Committee, Faculty of Arts, Helwan University, academic year 2008/2009.**
- 15. Member of the Geography Department Council, Faculty of Arts, Helwan University, from 2008 to present.**
- 16. Member of the Faculty's Education Quality Assurance Unit from 2009 to present.**
- 17. Member of the Equipment Committee, Faculty of Arts, Helwan University, academic years 2009/2010 and 2010/2011.**
- 18. Chairman of the Tripartite Committee for Reviewing the Department's Course Descriptions and Reports, with the approval of the Department Council, Session No. 155, dated October 8, 2010.**
- 19. Member of the Supreme Committee for the Crisis and Disaster Management Unit, Faculty of Arts, Helwan University, 2010.**
- 20. Preparing the Faculty of Arts Guide for 2010, Quality Assurance Unit.**
- 21. Member of the Education and Student Affairs Committee, 2012/2013.**
- 22. Member of the Standing Committee supervising leadership elections at the Faculty of Arts for the period 2013-2015.**
- 23. Member of the Education and Student Affairs Committee 2014-2015.**
- 24. Supervised the Geographic Information Systems training course at the Faculty of Arts, sponsored by the Faculty of Arts Student Union, March 2014.**

### **Sixth: Field studies:**

1. Scientific supervision of the Geography Department's field study in South Sinai in 2002.
2. Scientific supervision of the Geography Department's field study in Marsa Matrouh Governorate in 2003.
3. Scientific supervision of the Geography Department's field study in the Red Sea Governorate in 2005.
4. Scientific supervision of a one-day field study in the Geography Department covering the following areas:
  - \* Fayoum Governorate.
  - \* 10th of Ramadan City.
  - \* Sadat City and Wadi El Natrun.
  - \* National Authority for Remote Sensing and Space Sciences.
  - \* Meteorology in Abbassia and Helwan.

### **Seventh: Membership:**

1. Member of the Interim Council of the Egyptian Geographers Syndicate, 2021.
2. Member of the Egyptian Geographical Society from 1983 to present.
3. Member of the National Population Council representing Helwan University from 2017 to present.
4. Founding member of the Free Arab Women's League, 2020 to present.

### **Eighth: Books with deposit numbers:**

1. Fatma Mohammed Ahmad Abd el-Samad, Principles of Cartography, 2004, Dar al-Kutub deposit number 7331/2004.
2. Fatma Mohammed Ahmad Abd el-Samad, Studies in the Geography of Recreation and Tourism, first edition 2004, second edition 2008. Dar al-Kutub deposit number 19837/2004.
3. Fatma Mohammed Ahmad Abd el-Samad, Studies in General Geography, first edition 2009. Dar al-Kutub deposit number 20768/2009.

4. **Fatma Mohammed Ahmad Abd el-Samad, Remote Sensing: Fundamentals and Spatial Applications, First Edition, 2012, Dar al-Kutub Deposit No. 5150/2012.**
5. **Fatma Muhammad Ahmad Abd al-Samad, Satellite Image Analysis: Fundamentals and Applications, Umm al-Qura Press, Giza, First Edition, Dar al-Kutub Deposit No. 21866/2016.**
6. **Fatma Mohammed Ahmad Abd el-Samad, Principles of Maps and Surveying, Umm al-Qura Press, Giza, First Edition, Dar al-Kutub Deposit No. 2602/2017.**
7. **Fatma Mohammed Ahmad Abd el-Samad, "Services Geography, "Spatial Foundations and Applications," Umm al-Qura Press, Giza, First Edition, Dar al-Kutub Deposit No. 4918/2018.**
8. **Fatma Mohammed Ahmad Abd el-Samad, "Remote Sensing Applications," Umm al-Qura Press, Giza, First Edition, 2020.**
9. **Fatma Mohammed Ahmad Abd el-Samad, Special Topic: Ecotourism in Egypt, Umm al-Qura Press, Giza, First Edition, 2022.**
10. **Fatma Mohammed Ahmad Abd el-Samad, Human Geography: Foundations and Spatial Applications, Umm al-Qura Press, Giza, First Edition, 2023.**
11. **Fatma Mohammed Ahmad Abd el-Samad, Analysis and Interpretation of Aerial Photographs, Umm al-Qura Press, Giza, First Edition, 2023.**

### **Membership in the scientific arbitration committees of Egyptian journals:**

1. **The Arab Geographical Journal, published by the Egyptian Geographical Society.**
2. **The Arab Journal of Geographical Studies, published by the Arab League Educational, Cultural and Scientific Organization, Specialized Arab Journals, 2020.**
3. **The Faculty of Arts Journal, a peer-reviewed scientific journal published by the Faculty of Arts, Helwan University.**

4. **Journal of the Future of Social Sciences, a peer-reviewed scientific journal published by the Arab Society for Human Development and Environment.**
5. **Journal of Middle East Research, a peer-reviewed scientific journal published by the Middle East Research Center, Helwan University.**
6. **Journal of the Faculty of Arts, a peer-reviewed scientific journal published by the Faculty of Arts, Zagazig University.**
7. **Journal of the Faculty of Arts, a peer-reviewed scientific journal published by the Faculty of Arts, South Valley University.**

**Ninth: Reviewing the research of assistant professors and professors:**

- 1- **Evaluation of the 2011 master plan for the city of Al-Majar Al-Kabir in Maysan Governorate, Republic of Iraq, 2017.**
2. **A geographical analysis of the settlement components in the Al-Tayeb area, Republic of Iraq, 2017.**
3. **A geographical analysis of the situation of villages in Maysan Governorate and their level of services, Republic of Iraq, 2017.**
4. **Evaluation of the residential environment in urban areas: An applied study on the Fom el-Khalig area - Ancient Egypt, Faculty of Arts Journal, Helwan University, 2016.**
- 5- **Hassan Mohammed Misfer Al-Qahtani, Evaluation of Secondary Educational Services Sites for Boys in Abha City According to the Local Standards of the Kingdom of Saudi Arabia Using Geographic Information Systems, Arab League Educational, Cultural and Scientific Organization, Arab Specialized Journals, 2020.**
6. **Changes in land use, land cover, and urban expansion in Marsa Alam, Red Sea, using remote sensing and geographic information systems. Scientific Publishing Unit, Research Journal, Faculty of Girls, Ain Shams University, 2021.**
7. **Medical specialties and health planning capabilities of government hospitals in Assiut Governorate. Egyptian Geographical Society - Arab Geographical Journal, June 2021.**

- 8. Geographical assessment of mobile phone network booster stations in Luxor City. Egyptian Geographical Society - Arab Geographical Journal, May 2021.**
- 9. The Development of Basic Education in Ain Shams District (1995-2017), Scientific Publishing Unit, Research Journal, Faculty of Girls, Ain Shams University, 2021.**
- 10. Tourism Patterns Based on Human Characteristics in the Greater Cairo Region, A Study in Tourism Geography, Scientific Publishing Unit, Research Journal, Faculty of Girls, Ain Shams University, 2021.**
- 11. Application of remote sensing techniques to identify the gathering locations of the porpoise fish in the Red Sea waters, Egyptian side, Scientific Publishing Unit, Research Journal, Faculty of Girls, Ain Shams University, 2022.**
- 12. Cartographic representation of the temporal and spatial dimensions of rainfall in the Kingdom of Saudi Arabia from 2000 to 2018 AD using geographic information systems.**
- 13. Spatial distribution of climatic comfort zones in the Kingdom of Saudi Arabia: a cartographic study.**
- 14. Cartographic modeling for easy access to tourist attractions in Al-Suda using geographic information systems.**
- 15. The role of remote sensing technologies in mapping land use change in the city of Taif, Saudi Arabia.**
- 16. Studying the impact of lockdowns during the COVID-19 pandemic on the changing air pollution map in the city of Riyadh using Sentinel-5p satellite imagery.**
- 17. Evaluating the relationship between the degree of slope of the Earth's surface and the accuracy of contour maps produced by some methods of extrapolating digital elevation models.**
- 18. The effect of the resolution of satellite imagery extracted using the free SAS.Planet software and empirical mathematical models on the accuracy of image maps.**
- 19. Evaluating the accuracy of contour maps derived from digital elevation models included with Google Earth.**

20. Evaluating the performance of Landsat-9 OLI and Sentinel-2B data in producing land use maps using a comparison of supervised classification algorithms.

21. Spatial Interpolation in Digital Maps Department of Applied Geography, College of Arts, University of Kirkuk , Iraq,2020

22. Cartographic modelling of the waterways network of the basin of Wali Kafan valley in Sulaymaniyah Governorate using GIS, American Journal of Social, 2022.

23. Evaluation of The Accuracy of The MAP Model According to The Area of Some ElementsS of The Climate Using Spatial Interpolation Methods (NORTHERN IRAQ AS A MODEL),2022

24. Cartographic modelling of the waterways network of the basin of Wali Kafan valley in Sulaymaniyah Governorate using GIS, 2022

**25- Arbitration of the State Encouragement Award 2021 AD by decision of the Minister of Culture (No. 130 of 2021 AD).**

### **Tenth: Work outside Egypt:**

1- Teaching at the College of Arts for Girls in Riyadh (Teaching Assistant, Lecturer) from 1988 to 1996/1409 AH (1417 AH), all map courses, numerous geographic courses, and various activities.

### **Prof. Dr. Fatma Mohamed Ahmed Abdel Samad**

Full-time Professor, Department of Geography  
and Geographic Information Systems  
Faculty of Arts, Helwan University

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### **Contact Information**

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