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PROF. DR LOTFY KAMAL ABDOU AZAZ

Summary

A Skilled and experienced GIS and Urban Planning Academic and Consultant with PhD in GIS and Urban Planning from Geomatics Department, School of Civil Engineering and Geosciences **and** Architecture, Planning & Landscape school of Newcastle University (UK). Newcastle is one of the UK's leading universities. These schools are among of the largest and most dynamic schools of its kind in Europe. I have more than **30 Years** total experience (**17 Years after PhD**) in teaching, research community service and Consultancy in the universities in Egypt, UK, Oman, and Saudi Arabia. In 2017, I was promoted to a Professor of GIS and Remote Sensing.

Highlights

- **Doctorate (PhD) degree in GIS and Urban Planning from Newcastle University (UK).**
 - Currently, **Newcastle University** is ranked <https://www.ncl.ac.uk/who-we-are/quality/rankings/world/>:
 - **141st** in the QS World Ranking published 2018
 - **132nd** in the Leiden Ranking 2018
 - **9th** in the Times Higher Education Europe Teaching Rankings 2018
 - **171st** in the Times Higher Education World University Ranking published 2018
 - **88th** in the Times Higher Education's world's most international universities ranking 2016
 - **200th** in the University Ranking by Academic Performance 2018
 - **148th** in the Webometrics Ranking of World Universities 2018
- Authored 4 books, 5 book chapters, and about 70 peer-reviewed publications in Journals and international venues .
- Secured funding for 5 international and national research projects in the last 5 years.
- Supervised 13 MSc and 5 PhD thesis in Oman , Saudi Arabia and Egypt
- Total Teaching experience of 28 year (15 years after PhD) at university levels (Undergraduates, Postgraduate (MA and PhD
- Professional in Educational technologies used in higher education sector (i.e. Moodle, WebCT, Blackboard)
- Total experience of 28 year working with teams as a team member and team leader
- Total experience of 20 year working with people from diverse international backgrounds

- Excellent written and oral communication skills

Accomplishments

- Contributing to the development of the master program in GIS - Qassim University
- Development of an assessment system of Master and Doctoral Thesis - Qassim University
- Development of Bachelor of Geography Department - Menoufia University
- Preparation of the courses related to the Geographic Information Systems (GIS) Program - Menoufia University
- Preparation of the courses related to GIS program (Department of Geographic Information Systems) - Menoufia University
- Establishment of sub-specialization GIS - Sultan Qaboos University
- Contribute to the development of the GIS program - Sultan Qaboos University
- Preparation of the courses related to the Geographic Information Systems (GIS) program, Sultan Qaboos University
- Establishment of the Master's Program - Department of Geography - Sultan Qaboos University
- Development of the sub-specialization of urban and regional planning - Sultan Qaboos University
- Contributing to the development of the regional and urban planning program of the Sultan Qaboos University
- Preparation of the courses related to the regional and urban planning and planning program of Sultan Qaboos University
- Participated in the writing of the book (Geography and modern technologies) for the twelfth grade in favor of the Ministry of Education,Oman - Grade XII
- Production of Oman Tourism Atlas in Arabic for the Ministry of Tourism - Sultanate of Oman
- Production of Amman Tourism Atlas in English for the Ministry of Tourism - Sultanate of Oman
- Participation in the project of translating the encyclopedic dictionary of human geography - National Center for Translation - Egypt
- Training of teachers in the Ministry of Education on GIS softwares - Sultanate of Oman
- Training of staff in the Ministry of Regional Municipalities on GIS softwares - Sultanate of Oman
- Training of officers in the Ministry of Defense on GIS softwares - Sultanate of Oman
- Training of police officers in GIS softwares - Sultanate of Oman
- Organizer of invited session of "GIS and Remote sensing applications in the Middle East", The 5th International Conference on Computing, Communications, and Control Technologies: CCCT 2007, July 12-15,2007, Orlando, Florida, USA
- Keynote speaker at the opening of the 2nd International Conference on Environmental Studies and Research on "Natural Resources and Future Challenges" on February 25, 2013, under the patronage of Dr. Minister of Higher Education, Dr. Mohamed Bahaa El Din Ahmed, Minister of Water Resources, and Dr. Ahmed Zaghloul, President of Menoufia University, organized by the Institute of Environmental Studies and Research at the University of Menoufia, Sadat. The title of his lecture was: Environmental Applications of Remote Sensing and Geographic Information Systems: Various situations

Professional Experience

5/2021 – Present

Professor of GIS and Urban Planning | Menofya University, Egypt

1/2017 – Present

Professor of GIS and Urban Planning | Qassim University, Saudi Arabia

- Courses for PhD and MA Students (**Human Applications in Remote Sensing, Human Applications in GIS, Statistical Methods, Physical Applications in Remote Sensing, Physical Applications in GIS**)
- Conducts supervisory panels for PhD students
- Supervises Postgraduates students (PhD and MA)
- Carrying out research projects in the fields of GIS and Remote Sensing.
- Providing consultancy service to the community in the fields of GIS and Remote Sensing.

09/2004 – 7/2016

Senior GIS and Remote Sensing Consultant – freelancer, Oman

Implemented Projects:

- Urban Primacy of Omani Capital; Muscat using GIS
- Oman National Spatial Strategy project "ONSS"
- Spatial database and web portal for archaeological, cultural and tourist resources of Oman using GIS and Remote Sensing
- Sultan Qaboos University guide map using GIS

07/2016 – 1/2017

Associate Professor of GIS and Urban Planning | Menofya University, Egypt

- Courses for Undergraduates Students (Introduction to Surveying and Maps)
- Courses for MA Students (Introduction to GIS, Introduction to Remote Sensing)
- Carrying out research projects in the fields of GIS and Remote Sensing.
- Providing consultancy service to the community in the fields of GIS and Remote Sensing.

09/2014 – 07/2016

Director of A Strategic Research Program | The Research Council, Oman

- Research promotion, Research evaluation and assessment, Research fund management, Training courses, Scientific conferences and workshop organization

09/2004 – 06/2014

Assistant Professor of GIS and Urban Planning, Sultan Qaboos University, Oman

- Courses for Undergraduates Students (**Introduction to Geographical Information system, Introduction to Remote sensing , Satellite Image Processing, GIS & Remote Sensing Applications , Aerial Photographs and Remote Sensing, WEB GIS , GIS Management, Mobile GIS, Contemporary Issues in GIS, Spatial Database & Applications, Spatial Analysis & Modelling, Statistical Analysis, Land Use, Surveying and Cartography, Digital Mapping**)
- Courses for MA Students (**Advanced Remote sensing, Advanced Quantitative and Qualitative Research Methods**)
- Carrying out research projects in the fields of GIS and Remote Sensing.
- Providing consultancy service to the community in the fields of GIS and Remote Sensing.

09/2000 – 06/2004

Teaching Assitant of GIS and Remote sensing, Newcastle University, England, UK

- Courses for Undergraduates Students (**Introduction to GIS, Introduction to Remote sensing**)

07/1997 – 03/1999

Assistant Lecturer, Surveying and Cartography, Menofya University, Egypt.

- Courses for Undergraduates Students (**Introduction to GIS, Remote sensing, Surveying and Cartography**)

05/1991 – 07/1997

Demonstrator, Surveying and Cartography, Menofya University, Egypt.

- Courses for Undergraduates Students (**Surveying and Cartography**)

Education

PhD: GIS and Urban Planning	2004
School of Civil Engineering and Geosciences and School of Architecture, Planning & Landscape, Newcastle University, England, UK.	
MA: Urban Geography and Cartography	1997
Menofya University, Egypt.	
GIS and Remote sensing Postgraduate Diploma	1996
Information and Decision Support Centre (IDSC), The Cabinet, Egypt.	
BA: Surveying and Cartography	1990
Alexandria University, Egypt	

Area of research interests:

- The use of GIS and remote sensing in regional and urban planning and human applications.
- Environmental applications of GIS and remote sensing in developing countries.
- Urban quality of life - urban and regional planning - decision support systems - and urban growth modeling.

Professional expertise:

- Member of the Scientific Committee for evaluation of scientific production provided for the promotion of the faculty members In GIS and Remote Sensing fields at Iraqi universities.
- Member of the Scientific Committee for evaluation of scientific production provided for the promotion of the faculty members In GIS and Remote Sensing fields at Jordanian universities.
- Member of the Scientific Committee for evaluation of scientific production provided for the promotion of the faculty members In GIS and Remote Sensing fields at Saudi universities.
- External Reviewer to evaluate scientific research submitted for funding in one of Saudi universities.
- Scientific adviser to a research funded in one of Saudi universities.
- Member of the organizing committee of Oman GIS Forum 2008- 2014.

Professional Affiliations and Networks:

- The Remote Sensing and Photogrammetry Society, UK.
- The Royal Geographical Society (with the Institute of British Geographers)
- The Egyptian Geographical Society
- The Geographical Society of the GCC countries
- Competence Center of Urban and Regional Planning.

- Association for Promotion and Research of Urban Planning and Regional Development in the Information Society.
- The Royal Town Planning Institute, UK.

Participation in Technical and Scientific projects :

Role	Project Title	Beneficiary	Budget	year
Principle Investigator	Urban Primacy of Omani Capital; Muscat	Sultan Qaboos University	US \$ 25,000.00	(2012)
Urban Planning and GIS Consultant	Oman National Spatial Strategy project "ONSS"	The Supreme Council for Planning	Not available	10-13
Co Principle Investigator	Spatial database and web portal for archeological, cultural and tourist resources of Oman	Ministry of Tourism, Oman)	US \$ 130,000.00	(2007)
Co Principle Investigator	Sultan Qaboos University guide map using GIS	Sultan Qaboos University	US \$ 26,000.00	(2007)
Project Manger and Principle Investigator	Monitoring and Modelling urban growth in Alexandria, Egypt using Remote Sensing and GIS	Ministry of Higher Education , Egypt	US \$ 98,880.00	(2004)
Team leader	Investment and Development of Siwa Oasis, Egypt Using satellite images and GIS	The Cabinet, Egypt	US \$ 20,000.00	(1996)
Team member	Study of the resources in Menofya Governorate, Egypt,	Menofya Governor ate	Not available	(1995)
Team member	Environmental limitations of planning in Saint Catherine area, Sinai	South Sinai Governor ate	Not available	1994

Team member	Development capabilities of New Sadat city, Menofya	Menofya Governorate	Not available	1993
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Publications

Books

1. Azaz L., and Alawadiah T., (2009), Tourist Atlas of Oman , 'Get Going' — Oman's official guide and atlas Ministry of Tourism, Oman and Dar El-Nahda (Arabic version)
2. Azaz L., and Alawadiah T., (2008), Tourist Atlas of Oman , 'Get Going' — Oman's official guide and atlas Ministry of Tourism, Oman and Dar El-Nahda (English version)
3. Azaz L. Alawadiah T., (2007), Introduction to Surveying and cartography (Arabic), AL-falah, UAE. (2007).
4. Azaz L. Alawadiah T., (2007), "Modern Techniques in Geography" book for 12th Grade, Ministry of Education, Oman 2007

Book chapters

1. Azaz L., (2011), The use of Geographic Information Systems (GIS) in Business, ICHGE, PSRC - Planetary Scientific Research Centre Book, pp.299-303 ISBN: 978-81-922428-2-8
2. Azaz L., (2010), Capabilities of Using Remote Sensing and GIS for Tropical Cyclones Forecasting, Monitoring and Damage Assessment, in Indian Ocean Tropical Cyclones and Climate Change Book, PP: 177-186, ISBN: 978-90-481-3108-2 (Print) 978-90-481-3109-9 (Online), SpringerLink, 2010.
3. Azaz, Lotfy and Al-Awadhi, Talal (2010), Oman Tourist Atlas Production Using Geographic Information Systems (GIS) and Global Positioning System (GPS). Geography and GIS Department Annual book, Faculty of Arts, Alexandria University
4. Azaz, Lotfy (2009), Urban Planning Applications of GIS and Remote Sensing, in Libyan organization of Remote sensing book, Tripoli, Libya
5. Azaz, L. (2009), Using satellite images and GIS, and digital modeling techniques to monitor and predict future urban growth, in GIS and Remote sensing applications book – Kuwait (in Arabic)

Articles

1. Azaz L.K., (2020), Self-sufficient cities: A forward-looking look at the prospects for urban planning after Covid-19 pandemic, The Egyptian Journal of Environmental Change, Volume 12, issue 4 ,2020

2. Azaz L.K., (2020), Coronavirus and Geospatial Technology (Translated into Arabic), The Egyptian Journal of Environmental Change, Volume 12, issue 4 ,2020
3. Azaz L.K., (2019), Qassim WebGIS, The 13th GIS Symposium in Saudi Arabia, Sheraton Dammam Hotel and Towers, 8-10 April ,2019
4. Azaz L.K., (2019), Recent and Future Trends in Environmental Studies, Forum on the Geographical Environment with Vision 2030, Princess Noura Bint Abdul Rahman University in cooperation with the Ministry of Environment, Water and Agriculture, Riyadh 27-28 March 2019
5. Azaz L.K., (2019), Recent and Future Trends in Geographic Information Systems, International Conference on Geographical Information 2019 (IGC-2019) Riyadh 10-13 February 2019
6. Azaz L.K., (2018), "Smart Cities, an Integrated Perspective", Regional Conference on Geographic Information Systems, "e-Government and Geographic Information Systems", Bibliotheca Alexandrina, 21 November 2018.
7. Azaz L.K., (accepted for publication in 2018), Recent Trends in GIS Applications and Remote Sensing Techniques in Geography of Urbanization between 1995 and 2017, Journal of Geographical Letters, Research and Translation Unit, Kuwait Geographical Society
8. Azaz L.K., (accepted for publication in 2018), Muscat; a study in urban geography, Qaseem University Journal (Arabic and Human Sciences).
9. Azaz L., (2018), Using Remote sensing and GIS in waste assessment and Management, Liwa case study, Qassim University Journal , (Arabic and Human Sciences).
10. Azaz L., and Ahmed, Soha, (2018), Using Geographic Information Systems Techniques for Optimizing Locations for Solar Desalination Plants, International Conference on Water Resources in the Arab World between Constraints and Development Prospects, Center for Geographical Research and Cartography.
11. Azaz L., and Alharthy Nadhirah,(2018), Effect of Rainfall on the Road Network in Boucher, Muscat, Sultanate of Oman Using GIS and Remote Sensing, Journal of the Egyptian Geographical Society.
12. Azaz L., and Alraeissy Zainb,(2018), Monitoring land use changes in Alseeb, Muscat, Oman, between(2005-2010) Using Geographic Information Systems, Journal of the Faculty of Arts - Menoufia University - Issue No. 112 of January
13. Azaz L.K. and Al Suleimani, M. , (2017), Using GIS to evaluate sewage network at Al-Khoud district, Al-Seeb, Sultanate of Oman, Bulletin of The Egyptian Geographical Society, Cairo, Egypt

14. Azaz L., (2016), Detecting coastline changes using gis and remote sensing,a case study from oman", "2nd International Conference and Exhibition on Satellite & Space Missions " July 21-23, 2016 at Berlin, Germany.
15. Azaz L., (2015), Dilemma of Vibrant City and Endless Urban Growth, Lessons from Alexandria, Egypt, International Conference on Urban Planning and Regional Development in the Information Society GeoMultimedia, REAL CORP 2015, Editors: M. SCHRENK, V. V. POPOVICH, P. ZEILE, P. ELISEI, C. BEYER, ISBN: 978-3-9503110-9-9
16. Azaz L., (2014), "Geographic information systems (GIS) in tourism planning", the ITC'14 – International Tourism Congress in Muscat, Sultanate of Oman, December 02-04, 2014.
17. Azaz L., (2013), Using Remote sensing and GIS in waste assessment and Management, Liwa case study, Gulf Conference of solid and hazardous wastes in GCC countries from April 29 to May 1, 2013
18. Azaz, L., (2013) Environmental applications of remote sensing and geographic information systems: a variety of case studies, Second International Conference on Environmental Studies and Research on "natural resources and future challenges " The 2nd International Conference of Environmental Studies and Research " Natural Resources and Future Challenge" 25/2/2013.
19. Azaz L., (2012), The Use of remote sensing and geographic information systems to assess the damage and flooding case study of the Omani capital Muscat after Cyclone Gonu 2007, Geographical Society Gulf Cooperation Council for the Arab Gulf States Journal.
20. Azaz L., (2012), USING GIS AND REMOTE SENSING TO MAP COASTLINE CHANGES OF WEDAM_ALSAHEL AREA, BATINAH, OMAN BETWEEN 1998 AND 2008 ,The 33rd Asian Conference on Remote Sensing, November 26-30, 2012 Thailand
21. AZAZ L., et al, (2011) Flood Hazards and Electricity Networks: A case Study of Wadi Ady-Muscat, Bulletin of The Egyptian Geographical Society, TOMLXXXIV, VOL., 84, 2011.
22. AZAZ L., (2011),The use of Geographic Information Systems (GIS) in Business, International Conference on Humanities, Geography and Economics (ICHGE'2011)
23. Azaz, L. and Al-Awadhi, T. (2010), OMAN TOURIST ATLAS PRODUCTION USING GEOGRAPHIC INFORMATION SYSTEMS (GIS) AND GLOBAL POSINTING SYSTEM (GPS), The twelfth Conference of Geography and GIS Department, Faculty of Arts, Alexandria University,24-25July 2010
24. AZAZ L., (2010), Capabilities of Using Remote Sensing and GIS for Tropical Cyclones Forecasting, Monitoring and Damage Assessment, in Indian Ocean Tropical Cyclones and Climate Change Book, PP: 177-186, ISBN: 978-90-481-3108-2 (Print) 978-90-481-3109-9 (Online), SpringerLink, 2010.
25. AZAZ L., (2010), Using Remote Sensing and GIS for Damage Assessment after Flooding, the Case of Muscat, Oman after Gonu Tropical Cyclone 2007, Urban

26. AZAZ L., (2009), Using satellite images and GIS, and digital modeling techniques to monitor and predict future urban growth, Fifth Forum of Arab Geographers – Kuwait (in Arabic)
27. AZAZ L., (2009), Urban Planning Applications of GIS and Remote Sensing, International conference of Remote sensing and GIS, Tripoli, Libya.
28. AZAZ L., (2008), Towards Arab Knowledge society: prospects and possibilities of using geographic information systems and geographical electronic publishing in Arabic digital content development, First International Scientific Conference of Faculty of Arts and Social Sciences at Sultan Qaboos University knowledge society: social, cultural and linguistic challenges in the Arab world in the present and future.
29. AZAZ L., (2007), ANALYSIS AND ASSESSMENT OF LAND USE CHANGE IN ALEXANDRIA, EGYPT USING SATELLITE IMAGES AND MODELING TECHNIQUES, EGYPTIAN JOURNAL OF REMOTE SENSING AND SPACE SCIENCES, V 11, PP23-36, 2007
30. AZAZ L., (2007), Multi Variables Analysis of Urban Heat Islands in Alexandria, Egypt using Remote Sensing and GIS, ACRS2007, The 28th Asian Conference on Remote Sensing, 12-16 November 2007, Putra World Trade Centre (PWTC), Kuala Lumpur Malaysia, Jointly organized by, Asian Association on Remote Sensing (AARS) & Malaysian Centre for Remote Sensing (MACRES), Ministry of Science, Technology and Innovation (MOSTI), Malaysia
31. AZAZ L., (2007), Spatial database and web portal for tourist resources of Oman using remote sensing, Geographic information systems (GIS), and WebGIS for Ministry of Tourism, ESRI Middle East & North Africa Users Conference, Muscat, Oman, October 29 to 31st 2007
32. Azaz, Lotfy (2006), Quantifying and modelling urban growth in Alexandria, Egypt using satellite images and SLEUTH model, Remote Sensing and photogrammetry Society Annual conference, Cambridge, UK, 5-9 September, 2006
33. Azaz, L. and Al-Awadhi, T. ,(2005) Monitoring urban growth in Oman using remote sensing & GIS case study Seeb Wilayat, Oman, The first joint conferences of URBAN and URS, 3rd International Symposium, Remote Sensing and Data Fusion Over Urban Areas (URBAN 2005) and 5th International Symposium, Remote Sensing of Urban Areas (URS 2005), 14-16 March, 2005, Arizona State University, Tempe, Arizona, USA
34. AZAZ L., (2005), Urban Desertification using remote sensing in Alexandria, Egypt, The role of research in combating desertification and stabilization of sand dunes Symposium, Sultan Qaboos University, Oman, 2-4 April 2005.
35. AZAZ L., (2002), Monitoring urban growth in Alexandria, Egypt using satellite images, Forum, The postgraduate Journal of Architecture, Planning and Landscape, Newcastle University, Volume (5), Issue (1).

36. AZAZ L., (2000), Map of urban growth in Alexandria, Egypt, Forum, The postgraduate Journal of Architecture, Planning and Landscape, Newcastle University, Volume (3), Issue (1)

Articles in Conference Proceedings (peer reviewed)

37. Azaz L.K., (2019), Qassim WebGIS, The 13th GIS Symposium in Saudi Arabia, Sheraton Dammam Hotel and Towers, 8-10 April ,2019
38. Azaz L.K., (2019), Recent and Future Trends in Environmental Studies, Forum on the Geographical Environment with Vision 2030, Princess Noura Bint Abdul Rahman University in cooperation with the Ministry of Environment, Water and Agriculture, Riyadh 27-28 March 2019
39. Azaz L.K., (2019), Recent and Future Trends in Geographic Information Systems, International Conference on Geographical Information 2019 (IGC-2019) Riyadh 10-13 February 2019
40. Azaz L.K., (2018), "Smart Cities, an Integrated Perspective", Regional Conference on Geographic Information Systems, "e-Government and Geographic Information Systems", Bibliotheca Alexandrina, 21 November 2018.
41. Azaz L., (2016), Detecting coastline changes using gis and remote sensing,a case study from oman", "2nd International Conference and Exhibition on Satellite & Space Missions " July 21-23, 2016 at Berlin, Germany.
42. Azaz L., (2015), Dilemma of Vibrant City and Endless Urban Growth, Lessons from Alexandria, Egypt, International Conference on Urban Planning and Regional Development in the Information Society GeoMultimedia, REAL CORP 2015, Editors: M. SCHRENK, V. V. POPOVICH, P. ZEILE, P. ELISEI, C. BEYER, ISBN: 978-3-9503110-9-9
43. Azaz L., (2014), "Geographic information systems (GIS) in tourism planning", the ITC'14 – International Tourism Congress in Muscat, Sultanate of Oman, December 02-04, 2014.
44. Azaz L. and Sheikh A., (2013), Publishing of religious tourism sites in Medina on the Internet using geographic information systems technology Web (WEB GIS), Conference: "Geography of contemporary global changes," the College of Arts and Humanities - University of Thebes - Medina, KSA
45. Azaz L., (2013), Gulf women's role in economic activity: working status for Omani women as a model, Fourth Scientific Meeting Medina of Geographical Society of the Gulf Cooperation Council (GCC) 7-10 Safar 1435 AH, corresponding to 10 to 13 December 2013 Movenpick Hotel – Medina, Saudi Arabia
46. Azaz L., (2013), Muscat: Population and Built-up area, Symposium "Muscat; history and civilization," humanitarian Research Center, and Center for Omani Studies, Sultan Qaboos University, 27 to 28 October 2013
47. Azaz L., (2013), Using Remote sensing and GIS in waste assessment and Management, Liwa case study, Gulf Conference of solid and hazardous wastes in GCC countries from April 29 to May 1, 2013

48. Azaz, L., (2013) environmental applications of remote sensing and geographic information systems: a variety of case studies, Second International Conference on Environmental Studies and Research on "natural resources and future challenges " The 2nd International Conference of Environmental Studies and Research " Natural Resources and Future Challenge" 25/2/2013.
49. Azaz L., (2010), The Use of remote sensing and geographic information systems to assess the damage and flooding case study of the Omani capital Muscat after Cyclone Gonu 2007, Qatar University Conference
50. Azaz L., (2012), USING GIS AND REMOTE SENSING TO MAP COASTLINE CHANGES OF WEDAM_ALSAHEL AREA, BATINAH, OMAN BETWEEN 1998 AND 2008, The 33rd Asian Conference on Remote Sensing, November 26-30, 2012 Thailand
51. Azaz L., (2011), The use of Geographic Information Systems (GIS) in Business, International Conference on Humanities, Geography and Economics (ICHGE'2011)
52. Azaz L., (2011), The Principles and Dimensions of Sustainable Urbanization, (2011), 1st Oman Sustainable Urbanization Conference, Muscat, Oman.
53. Azaz, Lotfy (2010), The Use of remote sensing and geographic information systems to assess the damage and flooding case study of the Omani capital Muscat after Cyclone Gonu 2007, Third Scientific Meeting of the Geographical Society Gulf Cooperation Council for the Arab Gulf States: Conference of the modern technologies and their applications in studies of sustainable development in the GCC Geographical Society in GCC countries Gulf Arab March 2010, Doha, Qatar
54. Azaz, Lotfy (2010), The inevitability of Arab integration in the Investment and development of human resources in the Arab world, The Second Arab Conference entitled Development of Human Resources and the Support of National Economy Arab Organization for Administrative Development: Muscat.
55. Azaz, Lotfy and Al-Awadhi, Talal (2010), Oman Tourist Atlas Production Using Geographic Information Systems (GIS) and Global Positioning System (GPS). Geography and GIS Department Annual Conference, Faculty of Arts, Alexandria University
56. Azaz, Lotfy (2010), Using Remote Sensing and GIS for Damage Assessment after Flooding, the Case of Muscat, Oman after Gonu Tropical Cyclone 2007, Urban Planning Perspective, 15th International Conference on Urban Planning and Regional Development in the Information Society GeoMultimedia 2010, 18 - 20 May 2010, (pp.879-888) Vienna <http://www.corp.at/Download/CORP2010/realcorp2010programme.pdf>
57. Azaz, Lotfy (2009), Capabilities of Using Remote Sensing and GIS for Tropical Cyclones Forecasting, Monitoring and Damage Assessment, First International Conference on Indian Ocean Tropical Cyclones and Climatic change, Muscat, Oman
58. Azaz, Lotfy (2009), Urban Planning Applications of GIS and Remote Sensing, International conference of Remote sensing and GIS, Tripoli, Libya

59. Azaz, L. (2009), Using satellite images and GIS, and digital modeling techniques to monitor and predict future urban growth, Fifth Forum of Arab Geographers – Kuwait (in Arabic)
60. Azaz, L. (2008), Towards Arab Knowledge society: prospects and possibilities of using geographic information systems and geographical electronic publishing in Arabic digital content development, First International Scientific Conference of Faculty of Arts and Social Sciences at Sultan Qaboos University knowledge society: social, cultural and linguistic challenges in the Arab world in the present and future, December 2008, (in Arabic)
61. Azaz, Lotfy (2007), Multi Variables Analysis of Urban Heat Islands in Alexandria, Egypt using Remote Sensing and GIS, ACRS2007, The 28th Asian Conference on Remote Sensing, 12-16 November 2007, Putra World Trade Centre (PWTC), Kuala Lumpur Malaysia, Jointly organized by, Asian Association on Remote Sensing (AARS) & Malaysian Centre for Remote Sensing (MACRES), Ministry of Science, Technology and Innovation (MOSTI), Malaysia.
62. Azaz, Lotfy (2007), Spatial database and web portal for tourist resources of Oman using remote sensing, Geographic information systems (GIS), and WebGIS for Ministry of Tourism, ESRI Middle East & North Africa Users Conference, Muscat, Oman, October 29 to 31st 2007
63. Azaz, Lotfy (2006), Quantifying and modelling urban growth in Alexandria, Egypt using satellite images and SLEUTH model, Remote Sensing and photogrammetry Society Annual conference, Cambridge, UK, 5-9 September, 2006
64. Azaz, Lotfy (2005), Monitoring and modelling urban growth in Alexandria, Egypt using GIS and remote sensing, The first joint conferences of URBAN and URS, 3rd International Symposium, Remote Sensing and Data Fusion Over Urban Areas (URBAN 2005) and 5th International Symposium, Remote Sensing of Urban Areas (URS 2005), 14-16 March, 2005, Arizona State University, Tempe, Arizona, USA
65. Al-Awadhi, Talal , Azaz, Lotfy (2005), Monitoring urban growth in Oman using remote sensing & GIS case study Seeb Wilayat, Oman, The first joint conferences of URBAN and URS, 3rd International Symposium, Remote Sensing and Data Fusion Over Urban Areas (URBAN 2005) and 5th International Symposium, Remote Sensing of Urban Areas (URS 2005), 14-16 March, 2005, Arizona State University, Tempe, Arizona, USA
66. Azaz, Lotfy (2005), Urban Desertification using remote sensing in Alexandria, Egypt, The role of research in combating desertification and stabilization of sand dunes Symposium, Sultan Qaboos University, Oman, 2-4 April 2005.
67. Azaz, Lotfy (2005), Urban Growth Management in Egypt, Development and Environment conference, Faculty of Education, Salala, Oman, December 2005
68. Azaz, Lotfy (2005), Urban expansion in Alexandria using Landsat TM satellite images, Geography and GIS Symposium, Geography and GIS Symposium, Geography Department, Alexandria University, Egypt, 21 July 2005
69. Azaz, Lotfy (2002), Monitoring and modelling urban growth in Alexandria-Egypt using satellite images and GIS, Remote Sensing and Photogrammetry Society Meeting, Durham University, 21ST March 2002

- 70. Azaz, Lotfy (2001), Monitor Urban Growth in Alexandria- Egypt using Satellite Images, 2nd Symposium REMOTE SENSING OF URBAN AREAS, 22 - 23 June, 2001, Regensburg, (Germany)
- 71. Azaz, Lotfy (2001), Urban growth in Alexandria, Egypt using Remote sensing and GIS (UGARS/GIS), 9th annual conference of GIS Research UK, Wales,2001
- 72. Azaz, Lotfy (2001), Urban growth predication in Alexandria-Egypt using remote sensing and GIS, IEEE/ISPRS joint Workshop on Remote Sensing and Data Fusion over Urban Areas, Rome, November, 8-9th, 2001

Supervising experience

- **Supervised (8) PhD Students**

- **Supervised Master Students (examples)**

- Analysis of the Changes in Land Use Patterns in Wilayat Al-Seeb, Zainb EL-Raisi, (Main Supervisor), department of Geography, College of Arts and Social Sciences, Sultan Qaboos University.
- Urban growth for the city of Salalah, Oman Geographical study using geographic information systems (GIS) And Remote Sensing, Said Cotton, (Main Supervisor), Arab Research and Studies Institute, Cairo, Arab Organization for Education, Science and Culture, Arab League.
- Geomorphologic effects exchanged between the road networks and water streams in the governorate of Muscat: A Study in Anthrope-geomorphology, Nazira Al-Harhi, (Main Supervisor), department of Geography, College of Arts and Social Sciences, Sultan Qaboos University.
 - **Supervised/Co-Supervised Undergraduate Final Year Projects**
- Supervised the graduation projects of students at Sultan Qaboos University (GIS and Urban Planning Sections (Geog. 4810), Spring 2005, Spring 2006, Spring 2007, Spring 2008, Spring 2009, Spring 2010, Spring 2011, Spring 2012, Spring 2013, Spring 2014

Management experience

2014-2016

Director of A Strategic Research Program | The Research Council, Oman

2004-

Principle Invistigator and Project Mnager for a number of Research and Technical Projects

Referee (International and Regional Scientific Journals):

- IEEE Transactions on Geoscience and Remote Sensing Journal [IEEE].
[<http://www.grss-ieee.org/publications/transactions/>]
- International Scientific Academy of Engineering & Technology (ISAET), International Scientific Committee
[<http://www.isaet.org/committees.php>]
- Planetary Scientific Research Center (PSRC), Technical Committee
[<http://psrcentre.org/page.php?subcid=62&pageid=230>]
- International Journal of Remote Sensing [Taylor & Francis].
[<http://www.tandfonline.com/toc/tres20/33/2>]
- Natural Hazards [Springer]
[<http://www.springer.com/earth+sciences+and+geography/natural+hazards/journal/11069>]
- Ecological Modelling [Elsevier]
[<http://www.journals.elsevier.com/ecological-modelling/>]
- Qatar National Research Fund (QNRF), [Qatar Foundation]
[<http://www.qnrf.org/>]
- The Research Council (TRC), Oman
[<http://home.trc.gov.om/tabid/40/language/en-US/Default.aspx>]
- The Egyptian Journal of Remote Sensing and Space Sciences [Elsevier].
[http://www.elsevier.com/wps/product/cws_home/723780]
- Gulf Geographic Society Journal

Academic Committee membership

- Member of the Academic Guidance Committee, Qassim University (2017-)
- Member of the e-learning and training unit, Qassim University (2017-)
- Member of the Graduate Studies Committee, Qassim University (2017-)
- Member of the Faculty Promotion Committee, Qassim University (2017-)
- Member of the committee of preparing the academic schedule , Qassim University (2017-)
- Member of the Appointment Committee, Qassim University (2017-)
- Member of the comprehensive examination committee for doctoral students, Qassim University (2017-)

- Member of the Admissions Tests Committee for PhD Students, Qassim University (2017-)
- Member of the Admissions Tests Committee for Masters Students, Qassim University (2017-)
- Member of the organizing committee of the International conference of the College of Arts and Social sciences, Sultan Qaboos University. 2010-2012
- Member of organization committee of the First International Conference of Indian Ocean Tropical Cyclones and Climate Change, Co-sponsored by the World Meteorological Organization (WMO), Muscat 8-11 March 2009
- Organizer of invited session of " GIS and Remote sensing applications in the Middle East", The 5th International Conference on Computing , Communications, and Control Technologies :CCCT 2007 , July 12-15,2007- Orlando, Florida, USA
- Member of the organizing committee of the Annual GIS Forum, Department of Geography, Sultan Qaboos University. 2008-Present [www.gisoman.com]
- Member of the Quality Assurance Committee, Geography Department, College of Arts & Social Sciences, 2012.
- Member of the Conference Committee of the Faculty of Arts and Social Sciences, 2011-2012
- Member of Geography Department council, Sultan Qaboos University (2005- present).
- Member of the committee of updating and development courses for Urban and Regional Planning, minor program (adopted by the Department of Geography, fall 2011-2012).
- Member of the committee of updating and development courses for GIS minor program (adopted by the Department of Geography, fall 2011).
- Member of the committee of updating and development courses for the whole program (adopted by the Department of Geography, fall 2011-2012).
- Member of the Scientific Committee, College of Arts & Social Sciences Board, 2011
- Member of the College of Arts & Social Sciences Board, 2010.
- Member of the college educational supplies, College of Arts & Social Sciences, 2010
- Member of the Student Liaison Committee, Geography Department, College of Arts & Social Sciences, 2011.
- Member of the Student Liaison Committee, Geography Department, College of Arts & Social Sciences, 2010.
- Member of the committee of courses files preparation to the audit committee of the University, SP 2009
- Member of the committee of courses files preparation to the external assessor, SP 07.

- Member of Library committee, College of Arts and Social Sciences, Sultan Qaboos University (2006).
- Chair of the scientific committee of the GIS forum 08- Present.
- Member of Geography Department council, Menofya University, Egypt, (2004).
- Postgraduate Representative, School of Architecture, Planning and Landscape, Newcastle University, UK, (2000-2002)
- Mature students and Postgraduate officer, Union Society, Newcastle University, UK, (1999-2000)
- Head of Egyptian Postgraduates students Society in Newcastle, UK, (1999 -2004)
- Academic staff Representative, Menofya University, Egypt, (1991-1999)
- Cultural Committee officer, Student Union, Faculty of Arts, Alexandria University, (1987-1990)

PROFESSIONAL DEVELOPMENT

1. Crisis and disaster management, Center for Strategic Studies and Capacity Development of Faculty Members and Leaders - Menoufia University 2018
2. Using mental mapping skills, Center for Strategic Studies and Capacity Development of Faculty Members and Leaders - Menoufia University 2018
3. Management Skills, Cambridge Training College Britain, 2017.
4. Human Resources Management , Cambridge Training College Britain, 2017.
5. Marketing Management , Cambridge Training College Britain, 2017.
6. Financial Management and Accounting, Management , Cambridge Training College Britain, 2017.
7. Negotiation skills and contract preparation, Training Program, The Research Council, Oman,2014
8. Student Learning Portfolio, Center of Staff Development (CSD), Sultan Qaboos University, 2013
9. "Becoming an effective Supervisor" workshop for postgraduate research supervisors, Deanship of Postgraduate Studies, Sultan Qaboos University, March 2011
10. University Management Program, Center for Strategic Studies and Capacity Development of Faculty Members and Leaders - Menoufia University 2010
11. Strategic Planning Program, Center for Strategic Studies and Capacity Development of Faculty Members and Leaders - Menoufia University 2011
12. Quality standards in the teaching process, Center for strategic studies and development of faculty members and leaders - University of Menoufia 2011

13. Management Skills, Center for Strategic Studies and Capacity Development of Faculty Members and Leaders - Menoufia University 2011
14. A course in communication skills in different types of education - faculty development program - Menoufia University - 2009
15. Course in Organizing Conferences - Faculty Development Program - Menoufia University -2008
16. Course in Thinking Skills, Faculty Development Program, Menoufia University, 2005
17. Course in guidance and academic supervision and the system of credit hours - Teaching Skills Development Unit - Education Technology Center - Sultan Qaboos University - 2005
18. Course in teaching and teaching for the university - Teaching Skills Development Unit - Education Technology Center - Sultan Qaboos University - 2005
19. Course in the design of the course - Teaching Skills Development Unit - Education Technology Center - Sultan Qaboos University - 2005
20. Course in Communication Skills and Teaching Strategies - Teaching Skills Development Unit - Education Technology Center - Sultan Qaboos University - 2005
21. Course in the use of information technology in teaching and teaching - Teaching Skills Development Unit - Education Technology Center - Sultan Qaboos University - 2005
22. Course in the design, selection and use of multimedia in teaching - Teaching Skills Development Unit - Education Technology Center - Sultan Qaboos University - 2005
23. Course in Evaluation of Teaching Outputs, Teaching Skills Development Unit, Education Technology Center, Sultan Qaboos University, 2005
24. Course in Management of Projects, Grants, Research Contracts and Academic Publications - Teaching Skills Development Unit - Education Technology Center - Sultan Qaboos University - 2005
25. Using Moodle in E-learning, August 2006, Sultan Qaboos University
26. Advanced Moodle, August 2006, Sultan Qaboos University
27. Designing Courses using Moodle, August 2006, Sultan Qaboos University
28. Preparing Quizzes using Moodle, August 2006, Sultan Qaboos University
29. Preparing Course materials using FrontPage, August 2006, Sultan Qaboos University
30. Using WebCT in E-learning, January - April 2005, Sultan Qaboos University
31. QUALITY STANDRDS IN TEACHING AND LEARNING, 05-MAR-05-08- MAR-05, Sultan Qaboos University
32. THINKING SKILLS, 03-JAN-05- 05-JAN-05, Sultan Qaboos University
33. ETHICS OF SCIENTIFIC RESEARCH, 02-APR-05-03-APR-05, Sultan Qaboos University
34. MANAGEMENT SKILLS, 09-JAN-05-11-JAN-05, Sultan Qaboos University
35. TEAHING IN THE ONLINE CLASSROOM, 12-FEB-05-08-APR-05, Sultan Qaboos University
36. EVALUATION METHODS AND EXAMS SYSTEMS, 26-FEB-05-27-FEB- 05, Sultan Qaboos University
37. ACADEMIC PUBLISHING, 19-MAR-05- 21-MAR-05, Sultan Qaboos University

38. Faculty Training Research Program, September 1999- May 2000, Newcastle University, UK
39. IT Training, Information Technology Institute, Information and Decision Support Center, The Cabinet, Egypt, January-May 1995
40. Microsoft Package (Windows, MS Word, MS Excel, PowerPoint, MS Project), Information Technology Institute, Information and Decision Support Center, The Cabinet, Egypt, 1995.
41. Programming languages (C, C ++, and Visual Basic). Database (Fox Pro, Access, Sybase, Oracle) Information Technology Institute, Information and Decision Support Center, The Cabinet, Egypt, 1995.

AWARDS & RECOGNITION

- 2012: Invited to be a Member of the Review panel of Natural Hazards Journal. Journal of the International Society for the Prevention and Mitigation of Natural Hazards.
- 2010: Awarded a certificate of recognition of my efforts and contribution in the organization of the third GIS forum, at SQU.
- 2009: Awarded a letter of recognition for the Deputy Vice Chancellor of Postgraduate studies and Scientific Research for my efforts and contribution in the organization of the First International Conference of Indian Ocean Tropical Cyclones and Climate Change, Co-sponsored by the World Meteorological Organisation (WMO), Muscat 8-11 March 2009
- 2009: Awarded a certificate of recognition of my efforts and contribution in the organization of the second GIS forum, at SQU
- 2008: Awarded a certificate of recognition of my efforts and contribution in the organization of the first GIS forum, at SQU
- 2007: Invited Organizer session of " GIS and Remote sensing applications in the Middle East", The 5th International Conference on Computing , Communications, and Control Technologies :CCCT 2007 , July 12-15,2007- Orlando, Florida, USA
- 2005: Invited to be a Member of the Review panel of IEEE Transactions on Geoscience and Remote Sensing Journal.
- 2004: Invited to be a Member of the Review panel of the International Journal of Remote Sensing.
- 2001: Awarded the best GIS paper prize on the 9th annual conference of GIS Research UK, Wales, 18-20 April, (2001).
- 1999: Awarded the Best Research Prize about "Agricultural Integration in the Arab World", Dar So'ad Al-Sabah Prize, Kuwait, (1999).
- 1999: Awarded a Governmental Scholarship (From Egypt) for Postgraduate studies from March. 1999 till July 2004.

- 1998: Awarded Best Research prize about “National Union in Egypt, Egyptian Society for Culture and Enlightenment. (1998)
- 1989: Awarded Best Student Prize, Alexandria University, Egypt (1989).
- 1989: Awarded Best paper prize, Alexandria University (1989).
- 1988: Awarded Best paper prize, Alexandria University (1988).
- 1987: Awarded Best paper prize, Alexandria University (1987).
- 1986: Awarded Best paper prize, Alexandria University (1986)

Languages:

- **Full professional proficiency in English, and Arabic**

Technical skills:

- GIS database design, edit, and management
- GIS Data Management
- GIS Data Conversion
- Data maintenance
- GIS Data Modeling and Data Management
- GIS Analysis
- Web GIS Applications
- ESRI ArcGIS , Imagine Erdas and AutoCAD
- Programming language (C, C++- Object Oriented programming)
- QA/QC for all GIS stages
- Integration between GIS and Remote Sensing
- Technical problems solving
- GIS project management
- Project management skills
- Ability to apply expertise in multiple domains
- Data collection using filed surveys
- Map Production
- Good communication skills
- Team leader skills
- Training Skills
- Technical problems solving

- project management
- Project management skills
- Ability to apply expertise in multiple domains
- Data collection using filed surveys
- Good communication skills
- Team leader skills
- Training Skills

IDENTIFIERS



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