

PERSONAL DETAILS

Name:Dr. Eng. Lamyaa Gamal Eldeen Taha

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National Authority for Remote Sensing and Space Sciences-23 jozief brozetito -
Alnozha Algedida - (P.O. Box : 1564 Alf Maskan)-cairo Egypt

Country Name: Egypt

Brief Biography

EDUCATION AND QUALIFICATIONS

-Professor in surveying and photogrammetry 19 April 2018

-Associate professor in surveying and photogrammetry 30th September 2012

-Ph.D in surveying and photogrammetry shoubra faculty of engineering -Banha university 2007

-MSc. in surveying Engineering -Shoubra faculty of engineering –Zagazig university 2004

-B.Sc in surveying Engineering-Shoubra faculty of engineering -Zagazig university 1999 very good Honour- graduate project excellent

EMPLOYMENT

-Head of the Aviation and aerial photography division –NARSS-Egypt 8/7/2012 Till now

-Head (Supervisor) of the Aviation and aerial photography Department –under Aviation and aerial photography division –NARSS-Egypt 6/9/2010 till 12/9/2012

-Professor in surveying and photogrammetry 19/4/2018

-Associate professor in surveying and photogrammetry 30/9/2012

Researcher(assistant professor) at Digital mapping Department Aviation and aerial photography Division- NARSS 30/9/2007

-Assistant researcher 4/5/2004

-Researcher assistant at NARSS 21/9/2000

MAIN RESEARCH AREA: Geomatics-Remote sensing-surveying-Digital photogrammetry .

FIELDS OF INTEREST : Remote sensing -digital photogrammetry –Urban Remote sensing

MAIN SPECIALITY : Image Fusion -change detection-DEM-Orthoimage-LIDAR-SAR-mapping from satellite images- feature extraction from remote sensing images-Hyperspectral

Publications

Dissertations:

-Performance Evaluation of Change Detection Algorithms Applied on Spatial Data used in GIS- PhD Thesis -Shoubra faculty of engineering -Banha university 2007

-Digital Orthophoto Using Different DEM Approaches -MSc. Thesis-Shoubra faculty of engineering –Zagazig university 2004

Refereed Journal and Conference Publications:

1-R.A.M.Ismail,A.R.Elshehaby and L.G.Taha "Different DEM Techniques for Orthophotography"Engineering Research Journal-Shoubra faculty of Engineering No.(1) June 2004

2-R.A.M.Ismail,A.A.Zaghlol,A.R.Elshehaby,K.S.Rashwan,L.G.Taha" Evaluation of Change Detection Approaches for Planimetric Map Updating Using Quick Bird Images" CERM- Al-Azhar University Vol. (27) No.(3) October 2005

3-R.A.M.Ismail,A.A.Zaghlol,A.R.Elshehaby,K.S. Rashwan and L.G.Taha "Assessment of the Impact of Urban Encroachment over Agricultural Lands by Utilizing Landsat Time Series Images" Engineering Research Journal -Helwan University Vol.(104) April 2006

4-A.R.Elshehaby and L.G.Taha "A New Expert System Module for Building Detection Toward Improving Automatic Building Extraction in Urban Areas Using Spectral Information and LIDAR Data"" CERM- Al-Azhar University Vol. (30) No.(2) April 2008

5-L.G. Taha "Digital Cartographic Database for Egyptian Villages" 35th annual conference for the Association of Egyptian American Scholars.AEAS 2008 27-29 Dec, 2008

6- L.Taha ,O. Abd Al-Qader , M.Hegazy , H . Effat "Assessment and Modelling of Urban Sprawl at El-Sharquia Governorate Using SPOT Images and GIS Data" CERM- Al-Azhar University Vol. (31) No.(1) January 2009

7-A.R.Elshehaby and L.G.Taha" A new expert system module for building detection in urban areas using spectral information and LIDAR data" Applied Geomatics journal- Germany- Springer publisher Volume 1, Issue 4 (2009), Page 97-110.

8- Abd Al-Qader O. , A. K. Helmy , Taha L. G. , Hegazy M.N. and Soultan W. M. "New automatic change detection software based on neural network "CERM- Al-Azhar University Vol. (32) No.(21) April 2010

9- L.Taha "The potential of expert systems in remote sensing applications domain" Chapter contribution in "Expert System Software: Engineering, Advantages and Applications" NOVA publishers –U.S.A accepted 27/5/2010

https://www.novapublishers.com/catalog/product_info.php?products_id=15901

April 2011

10-L.Taha and S Elbeih. "Investigation of Fusion of SAR and Landsat Data for Shoreline Super Resolution Mapping: The Northeastern Mediterranean Sea Coast in Egypt " Volume 2, Issue 4 (2010), Page 17 Applied Geomatics journal- Springer publisher -Germany

11- L.Taha "The role of Expert system in remote sensing applications " accepted in International journal of computer research" 16/8/2010

[International Journal of Computer Research](https://www.novapublishers.com/catalog/product_info.php?products_id=23722) Volume 18 Issue 3-4

https://www.novapublishers.com/catalog/product_info.php?products_id=23722

12- S. Elbeih and L. Taha "A Comparative Study of the Suitability of Advanced Techniques for Landmine Detection in Egypt" 37th annual conference for the Association of Egyptian American Scholars. AEAS 2010 26-30 Dec, 2010

13- A.R.Elshehaby and L.G.Taha "Assessment of cartographic potential of Egyptsat-1 satellite image (case study in flat areas)" Applied Geomatics journal- Germany-Springer publisher accepted on 18-04-2011 DOI: 10.1007/s12518-011-0050-4 published online 9 June 2011 Volume 3 / 2011

14- L. Taha " New procedure for road extraction based on integration of classification, mathematical morphology and Euclidean distance"38th annual conference for the Association of Egyptian American Scholars. AEAS 2011 26-29 Dec, 2011

15- L. Taha "Automatic feature detection based on classification of combination of orthoimage from digital camera and Lidar DSM "International Conference on SIGNAL PROCESSING (SIP '12) - Saint Malo & Mont Saint-Michel, France, April 2-4, 2012

16- A. R. Elshehaby, L. G.Taha and A. I. Ramzi "Assessment of Fused, Panchromatic and Multispectral Geoeye-1 Images for large scale mapping "CERM- Al-Azhar University Vol. (34) No.(2) April 2012

17- L. G.Taha Acceptance of the paper in CERM civil engineering research magazine Journal(Al-Azhar university-Egypt) Title: Texture Analysis of Panchromatic Geoeye-1 imagery for Improvement of Land Cover Classification june2012

18-L. G.Taha and Safaa M. Bedawi "New automatic building detection and extraction software based on Swarm intelligence based classification of LIDAR point clouds &combination of digital camera images and Lidar DSM"Engineering research journal - faculty of Engineering at Shoubra VOL NO.(17) july2012

19- L. G.Taha New trends in large scale satellite mapping August 2012

20- L. G.Taha "Improving Automatic Feature Detection from LIDAR Intensity by Integration of LIDAR Height Data and True Orthoimage from Digital Camera "International Journal of Circuits, Systems and Signal Processing Issue 3, Volume 6, 2012 -NAUN Journal ISSN: 1998-4464

21- A. R. Elshehaby, L. G.Taha and A. I. Ramzi"Population estimation of North Sainai Governorate from satellite images for sustainable development purpose"VOL.(34) NO.(4) CERM civil engineering research magazine Journal(Al-Azhar university-Egypt)

22- A. R. Elshehaby, L. G.Taha and A. I. Ramzi"Automatic road network extraction and updating based on Spectral angler mapper from Medium and high resolution Satellite images"CERM civil engineering research magazine Journal(Al-Azhar university-Egypt) , VOL. (35) NO. (1), pp. 165-192.

23-A. R. Elshehaby, L. G.Taha and A. I. Ramzi "DEVELOPMENT OF URBAN System Based on Pansharpened WorldView-2 image" EIGHTH SCIENTIFIC CONFERENCE S E S 2012 4 – 6 December 2012 Sofia-BULGARIA

24- L. G.Taha,A.Samir "Optimising the workflow of large scale planimetric map revision and updating using manual digitizing of true digital Orthophoto & supervised maximum likelihood classification of multi channels (Texture and pan) "39th, Annual Conference of the Association of Egyptian American Scholars Dec. 25-27 2012.

- 25- L. G.Taha “Toward digital photogrammetry centre of scientific excellence“39th, Annual Conference of the Association of Egyptian American Scholars Dec. 25-27 2012.
- 26- A. R. Elshehaby, L. G.Taha and A. I. Ramzi ‘Automatic Road Network Extraction Based on Spectral Angler Mapper“ International Journal of Circuits, Systems and Signal Processing NAUN Journals USA Issue 5, Volume 7, 2013
- 27- L. G.Taha and A.A. Shahin “ Assessment of Cartographic potential of airborne hyperspectral data for large scale mapping “ International conferences Remote 13 in Budapest, Hungary, December 10-12, 2013
- 28- L. G.Taha and A. Sharawi “ Assessment of Urban Feature Extraction from SPOT5 Image “CERM civil engineering research magazine Journal(Al-Azhar university-Egypt) April-2014
- 29- L. G.Taha and A. A. Shahin “ Improvement of SAM Land Cover Classification of Airborne Hyperspectral Data Using Expert System” open journal of remote sensing and positioning Scientific Online Publishing (SOP) USA Volume 1, Number 1, June 2014
- 30- H . Effat and L.Taha ,K.Fathy “ Mapping land cover changes and related urban heat island, case study,Tanta city, Egypt“ 5th international conference on cartography and GIS June ,15-21,2014 Riviera,Bulgaria
- 31- L. G.Taha “Cloud Removing from EgyptSat-1 image using Wavelet image Sharpening“ Al Azhar University Engineering Sector23-25 December ,JAUES,2014
- 32-L. G.Taha and A. A. Shahin “Assessment of large scale urban mapping from airborne hyperspectral data based on SVM and ANN“ International Journal of Neural Networks and Advanced Applications NAUN Journals USA accepted 29/5/2014 Volume 1, 2014 ISSN: 2313-0563 **Inspecc - The IET**
- 33- L. G.Taha and A. Sharawi “Toward Enhancement of Multi-scale Wavelet Image Fusion for Improvement of Land Cover Mapping Using Neural Network Classification“ CERM civil engineering research magazine Journal(Al-Azhar university-Egypt) July-2014.
- 34- L. G.Taha "Assessment of Urbanization Encroachment over Al- Monib Island using Fuzzy Post Classification Comparison and Urbanization Metrics" The Egyptian Journal of Remote Sensing and Space Sciences Volume 17, Issue 2, Pages 111-230 (December 2014)
- 35- H . Effat and L.Taha ,K.Fathy “Change Detection of Land cover and Urban Heat Islands using Multi-Temporal Landsat Images, application in Tanta City, Egypt” Open Journal of Remote Sensing and Positioning Scientific Online Publishing (SOP) USA Volume 1, Number 2, December 2014

- 36- L.Taha and H . Effat "GIS-based Estimation of Potential Solar Energy on Flat Roofs in Maadi, Cairo, using True ortho WorldView image and Digital Surface Model." Journal of Advanced Remote Sensing and GIS. accepted 2/6/2015 2015, Volume 4, Issue 1, pp. 1092-1108, Article ID Tech-422 ISSN 2320 – 0243 I.F 1.97 [Google Scholar](#)
- 37- L. G.Taha “LIDAR las point clouds” Chapter - Book Title: Horizons in Computer Science Research. Volume 12-NOVAA publishers –U.S.A accepted 27/7/2015 ISBN: 978-1-63483-926-6
- 38- L. G.Taha and R.E.IBRAHIM,2016 ‘‘ New Object Based Model for Automatic Building Extraction by Integrating LIDAR Point Clouds and Lidar Derived Layers’’ International Journal of Circuits, Systems and Signal Processing,accepted 16/2/2016 I.F
- 39- L. G.Taha ,2016 ‘‘Land Cover Extraction from Fused Very High Resolution Image Using Pixel Based and Object Based Classification Methods’’ CERM civil engineering research magazine Journal(Al-Azhar university-Egypt April-2016.
- 40- ElSharkawy A.R., Mostafa A. E.A., L. G.Taha, Rana Rezaq Mahmoud R. R. 2016, ‘‘Merging SAR and Egyptsat Images for Improvement Roads Network Extraction’’ Engineering Research Journal 151 (Sep 2016) C1- C24 Helwan university
- 41 -L. G.Taha ,2016 Classifier Ensemble for Improving Land Cover Classification International Journal of Circuits, Systems and Signal Processing -NAUN Journals USA
- 42- L. G.Taha ,2017’’ LPS FUNDAMENTAL’’ lecture research gate
- 43- L. G.Taha ,2017 ‘‘Assessment of Urban Land Cover Classification using Wishart and Support Vector Machine (SVM) based on different decomposition parameters of fully-polarimetric SAR ‘‘Journal of Geomatics Vol 11 No. 1 April 2017 Indian Society of Geomatics- India
- 44- L. G.Taha ,2017 ‘‘Pixel based and Object-based classification of remotely sensed data’’ Chapter -Book Title: Horizons in Computer Science Research. Volume 12-NOVAA publishers –U.S.A accepted
- 45-Hattab M., Samir A. , Taha L.G.,2017 ‘‘Monitoring and Assessment of Urban Heat Islands over the Southern Region of Cairo Governorate, Egypt ‘‘Egyptian journal of remote sensing and space sciences
- 46- L. G.Taha ,2017 ‘‘The applications of automatic image interpretation in surveying and photogrammetry’’ State of art
- 47- L. G.Taha and A. Sharawi ‘‘ASSESSMENT OF PLANET IMAGE FOR LAND COVER MAPPING USING SOFT AND HARD CLASSIFIERS’’ accepted ICRSG 2018 :20th Int. Conf. on Remote Sensing and Geoinformation- Istanbul, Turkey -Jul 23-24, 2018
- 48-L. G.Taha and A. Sharawi’’ Urban Land Cover from GF-2 Satellite Images Using Object Based and Neural Network Classifications ‘‘ accepted ICGE 2018 : 20th International Conference on Geomatics Engineering Istanbul, Turkey -August, 16-17, 2018.

49- L. G.Taha, A. I. Ramzi,A. Sharawi A. Bekheet Assessment of the true digital ortho from digital aerial camera and from LIDAR data accepted The 12th international conference Geomatics of Middle East and North Africa Aqaba Jordan 1 to 4 April 2018

50- L. G.Taha, A. I. Ramzi,A. Sharawi A. Bekheet **“URBAN FEATURE EXTRACTION FROM MERGED AIRBORNE LIDAR DATA AND DIGITAL CAMERA DATA”**submitted to the **Journal of Geomatic-** Indian Society of Geomatics-India

51- A.R.Elshehaby and L.G.Taha, 2018 ‘‘ Assessment of the Automatic digital surface model from digital aerial camera and from LIDAR Point clouds data’’ AUSTRALIAN JOURNAL OF BASIC AND APPLIED SCIENCES Vol. 12, No. 9 (September ISSUE), 2018

52-A.R.Elshehaby and L.G.Taha, 2018 ‘‘A Novel Classifier Ensemble for Combining Pixel-Based and Object Based Classification Methods for Improving Feature Extraction from LIDAR Intensity Data and LIDAR Derived Layers’’ American journal of geographic information system -August 2018

53- Rania Elsayed,Lamyaa Gamal el-deen,Adel Shalaby ‘‘Urban Expansion and Pattern analysis using Shannon’s Entropy approach in ElMinya Governorate, Upper Egypt’’ accepted in 7/10/2019 International Journal of Circuits, Systems and Signal Processing . usa

Research projects participations

- 1-Studying the Effects of High Dam Disaster, NARSS (2001-2002)
- 2-Large Scale map production using different tools and resources 2004
- 3-Rational use of development corridors in Egypt 2007-2008
- 4-Monitoring and modeling of urban Sprawl /Growth (Enchroachments) on agricultural land in Egypt ,using remote sensing and GIS techniques :El Sharkia and El Ismailia Governorates as an example 2008-2007&2008-2009
- 5-Cartographic modelling for landfill site selection using remote sensing and GIS 2009
- 6-“ Evaluation of different image fusion techniques of Geoeye-1 pan band with multispectral bands for Large scale mapping ” co-P.I 2010-2011
- 7-Road network updating and Population Estimation from high resolution Satellite images(North Sainai) co-P.I 2011-2012

- 8- Road network updating from high resolution Satellite images(South Sainai) P.I 2012-2013
- 9- Assessment of land cover changes in island located in Nile River From remotely sensed data for sustainable development P.I 2012-2013
- 10- Assessment of Cartographic potential of Airborne hyperspectral data P.I 2013-2014
- 11- Geo-environmental Studies for Sustainable Development of the Suez Canal Corridor, Egypt. co-P.I2014-2016
- 12- Geo-environmental Studies for Sustainable Development of the new administrative capital, Egypt. co-P.I2015-2016
- 13- URBAN FEATURE EXTRACTION FROM GF-2 and Planet SATELLITE IMAGES USING OBJECT BASED & NEURAL NETWORK CLASSIFICATIONS P.I 2016-2017
- 14- Urban feature extraction from fused airborne lidar data and digital camera using subpixel based (neural network) and pixel based (minimum distance and maximum likelihood) P.I 2017-2018
- 15- Documentation of Amr Ibn El-aas mosque using terrestrial laser scanner and GPS 2018-2019

Contract project participations

- 1-Planimetric map production for kafr alshikh and Domyat Governorates scale 1:2500 5/8/2002 (project supervisor)
- 2-Planimetric map production for a part of Almeniah Governorate scale 1:2500 (project supervisor)
- 3-determination of the border of northern lakes project Al-Brolous lake 2010
- 4-contour map production for Garada (near Alariesh)) 2010
- 5-Boring of extension of new misr tram to new cairo
- 6-Base map of new valley 27/2/2017
- 7- urban enchrochment of Governorates lands2018
- 8-Studies of Qaliobia Governorate2018

Supervision of the following Thesis

اولا درجة الماجستير المنتهية

-Road detection using multi-resolution remote sensing data Msc. Thesis -faculty of engineering –Helwan university (Rana Rezk omran)29/12/2015

- Monitoring of urban heat islands using multitemporal remote sensing images -Msc. Thesis –environmental institution –El-Sadat university (Amany Samir Mahmoud)2017

تحكيم رسائل الماجستير

-Road detection using multi-resolution remote sensing data Msc. Thesis -faculty of engineering –Helwan university (Rana Rezk omran)29/12/2015

- Monitoring of urban heat islands using multitemporal remote sensing images -Msc. Thesis –environmental institution –El-Sadat university (Amany Samir Mahmoud)2017

ثانيا رسائل الدكتوراة الجارى العمل بها

A Novel Model for Land Registration System Utilizing the Integration between Hyper Spectral Satellite Image, DGPS and GIS” Rehab Mohammed Amer-Ph.D 4/6/2018
SHebeen AL-Koum Engineering -Monofiaa university

Attending the following Conference

- 1- 2nd international conference on Earth observation and Environmental information
11-14 November 2000 Cairo- Egypt
- 2- 35th annual conference for the Association of Egyptian American Scholars.AEAS
2008 27-29 Dec, 2008” Cooperation among scholars in Egypt and Abroad ‘Strategies
and vision for modern education”
- 3- Al-Azhar Engineering Eleventh international conference AEIC 2010 21-23
December,2010
- 4-37th annual conference for the Association of Egyptian American Scholars.AEAS
2010 26-30Dec, 2010
- 5-The 2nd International Conference :Environmental change in lakes ,Lagoons&Wetlands
of the Mediterranean region 3 January 2011
- 6- 38th annual conference for the Association of Egyptian American Scholars.AEAS
2011 26-30Dec, 2011

International Conference after Associate professor

- EIGHTH SCIENTIFIC CONFERENCE S E S 2012 4 – 6 December 2012 Sofia-
BULGARIA

-39th, Annual Conference of the Association of Egyptian American Scholars Dec. 25-27
2012.

-International conferences Remote 13 in Budapest, Hungary, December
10-12, 2013

- 5th international conference on cartography and GIS June ,15-21,2014 Riviera,Bulgaria

- Al Azhar Engineering Thirteenth International Conference December 23-25,2014

-41th annual conference for the Association of Egyptian American Scholars.AEAS
2014 26-28 Dec, 2014

-GeoMakani 2015 20th May 2015

-GeoMakani 2016 17-18 May 2016

Attending the following workshops:

- Egyptian –Japanese Symposium Symposium Applications of Remote Sensing in
Archaeology 3-5 March 2002

-Applications of supercomputing in climate sciences and remote sensing 2008 May
16- 13

-Geo environmental risks on the informal settlements 27 october 2008

-E-Learning in higher education Supreme council of universities 2008

- Applications of Remote Sensing in Archaeology 14 – 15 February 2009 (The 3rd Egyptian –Japanese Symposium) Supreme council of Antiquities
- Demographic and environmental risks of urban sprawl over Nile valley and Delta 22/6/2009
- Remote Sensing and climatic change 29 march 2010 -cairo
- The third international Egyptian Syrian workshop" Using of Remote Sensing and GIS in enviromental resource development "20-22 September 2010
- Attending training course on " XMLTechnologies in the field Of geoinformatics " Held at NARSS,Cairo ,Egypt through a collaboration program with Stuttgart University of Applied Science ,Germany,26-28 October 2009
- 1st Egyptian – Italian Joint workshop "Remote sensing applications on Archaeology" 13june ,2011 Cairo ,Egypt
- "Integrated Development In Sinai" held in the period of 19-20\9\2011 in Narss, Cairo –Egypt (coordinator of the session of urban development)
- US-Egypt LIDAR applications workshop 15-19 Jan 2012;Cairo,Egypt
- http://www.opentopography.org/index.php/resources/short_courses/US-Egypt12/
- 3D Geospatial data applications industries for decision making (15-16 May 2016

Presentation “Planning for airborne LIDAR survey”

- Attending the Using remotely sensed satellite images and GIS sustainable development of Sainai 19/1/2012
- Attending the training workshop on Radar remote sensing for Arid reigon development 29 jan-2 feb
- Attending SEMINAR ‘characterization and sustainable use of Egyptian degraded soils-SUDSOE’
- Attending one day LIDAR workshop NARSS 29May 2012
- Seminar Presentation New trends in large scale satellite mapping 26/9/2012 NARSS
- Organizing Seminar Presentation 'Leica LIDAR systems' and attending the Seminar 14 Nov 2012
- Organizing and attending 39th, Annual Conference of the Association of Egyptian American Scholars Dec. 25-27 2012.
- Attending Workshop of spectral soil mapping for agriculture development in El-Gallaba plain project ,western desert9 January 2013 at NARSS
- Attending Water waves observation, analysis and modeling 10 January2013
- Attending Workshop Environmental and costal modeling14-15January 2013 Cairo university
- Attending SUDSOE Workshop 19 February 20132013 at NARSS
- Attending Workshop of Application of geographic information system and aerial photography in the field of disaster risk reduction 20/3/2013 Regional centre for Disaster risk reduction
- Attendingthe first Workshop of regional coordination on improved Water Resources management and capacity building program 15 April 2013

- Attending the first meeting of the rule of scientific research in development of Sainai and swize canal21/4/2013
- Attending the second conference of scientific research output conference 12/5/2013
- Seminar Presentation Airborne hyperspectral data 23/9/2013 at NARSS
- Attending the Symposium Space Technology- 27/11/2013
- Attending the workshop of Spectral soil mapping for agricultural development in El-Gallaba plain, Western desert ,Egypt 24 December,2013 NARSS
- Attending the workshop Climatic modelling and its applications in remote sensing 14/4/2014-17/4/2014
- Attending Workshop of ‘‘visual analytic’’ Cairo university18/2/2016

- Organizing and attending ISNET/NARSS WORKSHOP 27-30 November 2016

COMPUTER EXPERIENCE

Computer Programming Languages: Matlab-Basic
 Image processing Software: Erdas Imagine –ENVI
 Photogrammetric Software: Leica photogrammetric Suit(LPS) Erdas Imagine
 Digital Mapping Packages: AutoCAD–Surfer- Microstation
 GIS software: ArcGIS-ERDAS IMAGINE
 Programming with relational database system: Access
 - Project Management Software: MS project server /manger
 -LIDAR processing Software: TopoSys LIDAR processing -Applanix software – Lastools- Geomagic- point Vue LE
 Other courses: ICDL- Introduction to digital image processing- Quality documentation –Iso2000 training-PMP (leadership &management center) -Microwave remote sensing-Fundamentals of Hyperspectral techniques and analysis -Python programming language –Polarimetric radar-PolSAR –terrestrial LIDAR-Skyline terra Explorer Pro

OTHER ACTIVITIES

Membership of the following

- Cosultant of photogrammetry,GIS and remote sensing from Syndicate of Engineers in Egypt14/2/2015
- Member of the Egyptian Society of Engineers since 2010 till now
- Member of the Egyptian Society of Geography since 2010 till now
- Member of the Association of Egyptian American Scholars since 26/12/ 2010 till now
- Member of the Egyptian Society of remote sensing since 2012till now
- Member of World Academy of science engineering and technology Waset

- volunteer work in FP7 Open access publishing 2010
- Member of the Editorial Board of the Information and Knowledge Management IIST
- Member of EDITORIAL ADVISORY BOARD ,Integrated Publishing Association since 2010 till now

عضو هيئة تحرير فى المجلات التالية

- Member of the Editorial Board of the international journal of remote sensing applications IJRSA –WORLD ACADEMIC PUBLISHING CO. Hong Kong since 25/11/2011 till now
- Associate Editor in ARPN Journal of Engineering and Applied Sciences

-Member of the Editorial Board of the Journal of Middle East Applied Science and Technology (JMEAST). Since 2014

-coordinator of the theme urban development in” Integrated Development In Sinai workshop” held in the period of 19-20\9\2011 in Narss,Cairo –Egypt

-Collaboration with a Member of WSEAS organization since 1/12/2011 for one year under supervision of Prof. N.Mastorakis.

التحكيم الدولي (المجلات الدولية)

- Reviewer at Scientific & Academic Publishing American Journal of Signal Processing May 7, 2012 USA

- Reviewer at Scientific & Academic Publishing American Journal of Geographic information system May 7, 2012 USA

- Member of the Editorial Board of the Egyptian Journal of remote sensing and Space Science since 29/2/2013 till now

-Reviewer in ORIC Publishing

-Reviewer at international Journal of Geomatics and Geosciences 26/4/2013 till now

-Reviewer in ISPRS Journal of Photogrammetry and Remote Sensing till now

-Reviewer at Palestine Technical University Research Journal (PTUKRJ)

-IEEE Transactions on Geoscience and Remote Sensing since 23/5/2014

-Reviewer at Applied Geomatics

- Reviewer at the Egyptian Journal of remote sensing and Space Science since

-Reviewer at Wseas Conference since 15/1/2011 till now

-Reviewer in international journal of remote sensing applications IJRSA -WORLD ACADEMIC PUBLISHING CO. Hong Kong since 15/6/2012 till now

-Reviewer Geoinformatica - An International Journal (GIJ) CSC Journals, Kuala Lumpur, Malaysia

-Reviewer World Applied Sciences Journal WASJ.org 2012 till now

-Reviewer American Journal of Electrical and Computer Engineering(AJECE) November 10, 2018 till now

التحكيم الدولي (المؤتمرات الدولية)

• Reviewer in 8th WSEAS International Conference on REMOTE SENSING (REMOTE '12) 2012

• Reviewer in KMIC 2014

• Reviewer in 4th international civil engineering and urban planning CEUP 2014

• Reviewer in 5th international civil engineering and urban planning CEUP 2015

• Reviewer in 6th international civil engineering and urban planning CEUP 2016

-Teaching the following training course at the National Authority of Remote Sensing and Space Sciences for petroleum engineers at Petrojet Petroleum Company: Applications of remote sensing in surveying & cartography

-Teaching the following training course at the National Authority of Remote Sensing and Space Sciences for engineers at Al-Menia Governorate : AutoCAD

- Presentations:"Urban encroachment over agriculture lands" A presentation given at the Demographic and environmental risks of urban sprawl over Nile valley and Delta workshop 22/6/2009
- Teaching the following training course at the National Authority of Remote Sensing and Space Sciences for the engineers in the Aviation and aerial photography division :Applanix software - Erdas Imagine- Introduction to remote sensing-Leica photogrammetric suite
- Presentation "Different methods of mapping and data integration with GIS" at the authority of industrial development"7/4/2014
- Presentation" Different methods for map production and map updating "at the Egyptian General Survey authority 10/4/2014
- Consultant" in Remote sensing from Syndicate of Engineers in Egypt2015 8/2201210/1999/3
- Teaching the " Different methods for map production and map updating" training course at the National Authority of Remote Sensing and Space Sciences for the students of the summer course 4/6/ 2017
- Teaching the " The role of remote sensing and GIS for surveying" training course at the National Authority of Remote Sensing and Space Sciences for the students of the summer course 6/7/ 2017
 - Learning management system
 - <https://www.edmodo.com/home#/group?id=24517391>

<https://edmo.do/j/8pcjir>

-orcid.org/0000-0003-2890-2498

- h index in Scopus3 -RG SCORE 5.73