

<b>MOHAMED ADEL YEHIA, PHD</b>
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**Name:** Mohamed Adel Yehia  
**Profession:** Remote Sensing Applications  
**Nationality:** Egyptian  
**Date of Birth:** October, 2, 1946  
  
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### **PRESENT OCCUPATION:**

**Professor**, Department of Geology, Faculty of Science, **Ain Shams University**.

**Coordinator**, of the Egyptian Space Council, **Egyptian Academy of Sciences**

**Chairman**, Sinai Manganese Company, **Chemical Holding Company**

### **KEY QUALIFICATION:**

Contributing to the establishment, development and transformation of the Egyptian remote sensing center to National Authority for remote sensing and space sciences. Institutional Capability Build up and Regulations for generation, transmission, distribution and end use systems; **Applications of Remote Sensing in:** Geology, Mineral Resources, Water Resources, Urbanization, Land Use. Peaceful Uses of Outer Space. Environmental Resources and Pollution, Desertification, Integrated Desert Studies, Sustainable Development.

Building the remote sensing centers in Qatar and the United Arab Emirates and contributing to the development of the remote sensing center in Syria and Kuwait.

Academic Features Teaching the scientific courses for postgraduate students and the undergraduate stage of the faculties of science, engineering and computers and the environment institute in Egyptian and Arab universities for the courses of remote sensing, geological imaging, geology, geomorphology, geographic information systems, economics, computers and environmental models.

In addition to working as an arbitrator for many scientific researches of Arabic and foreign magazines, master's and doctoral dissertations, and as a member of the Committee for Upgrades for professors and assistant professors of Egyptian universities, institutes and scientific centers.

The most important features are the establishment and management of research centers for remote sensing in Egypt and the Arab countries, supervising technology transfer projects and working with various state agencies in development projects.

Published of 90 research in scientific journals and conferences and a number of scientific reports and writing and participation in the number of 12 books and scientific atlas.

Now he is managing the oldest and largest mining company in Egypt - Sinai Manganese - in addition to membership of many mining companies in Egypt and abroad.

### **MAIN RESEARCH OR TECHNOLOGY TOPICS:**

- Remote Sensing
- Geographic Information Systems
- Space Technology

- Economic Geology
- Structure Geology & Geomorphology

## **EDUCATION**

- 1977 Postgraduate Diploma Remote Sensing Techniques, I.T.C. Netherlands
- 1973 Ph.D. Structural Geology and Photogeology Ain Shams University. Title of the thesis "Some Structural and Strategic Objectives of Selected Parts of the Nile Basin - Upper Egypt".
- 1970 M. Sc. General Geology, Ain Shams University, June 1970. Title of the thesis "Geology of Salloum Region, Western Desert - Egypt".
- 1967 B. Sc. Special Geology Honors, Ain Shams University.
- 1962 High School Degree, Khalil Aga High School.
- 1959 Preparatory School Degree, Abbasia Preparatory School.
- 1955 Primary School Degree, Al Zaher Primary School.

## **TEACHING EXPERIENCE:**

1. Demonstrator in the department of Geology Ain-Shams University from October 1967 until 1973. This post involved Laboratory instructions for under graduate students in the following subjects: Structural Geology, Surveying, Photogeology, Stratigraphy and Microfacies. Other Duties included organizing and participating in field excursions related to most of the above subjects.
2. Lecturer in the department of Geology, Ain-Shams University December 1973 this post involves Lectures in Photogeology, Structural Geology, Surveying, and Litho-stratigraphy for both under graduate and post graduate students.
3. Associate Professor May 1978 in the department of Geology Ain Shams University.
4. Professor of Photogeology and Remote Sensing Since, 1987 in the department of Geology, Ain-Shams University.
5. Visiting Professor in Al-Azhar, El-Mansoura, Suez, Tanta, Benha and El-Minia Universities. Duties are similar to those of Ain Shams University.
6. Seconded to Qatar University Science 1978 as Associate Professor of Geology and Director of the Remote Sensing Center.
7. Visiting Professor Since, 1983 in the Remote Sensing Center Academy of Science Cairo, Egypt as chief Geologist,
8. Seconded to United Arab Emirates University Science 1990 as Professor of Geology and Director of the Remote Sensing Center.

## **EXPERIENCE RECORD**

### **TEACHING EXPERINCIE**

#### **June 1967 – Present**

**Professor, Department of Geology, Ain Shams University, Cairo, Egypt (between 1997 and , 2003 – this was a leave of absence). Responsibilities include:**

- Teaching undergraduate and graduate students remote sensing courses and research projects.
- supervision of graduate students pursuing their M.Sc. and Ph.D.
- Membership of the Council of the Faculty of Science, Ain Shams University.
- Supervision of the remote sensing laboratory of the Central Laboratory Faculty of Science, Ain Shams University.
- Member of the Board of Directors of the Center of Photodynamics Faculty of Science, Ain Shams University.
- Member The Nature Reserves Center, Faculty of Science, Ain Shams University
- Membership of the committees of the department of Geology.
- Member of the Environment Council, Ain Shams University.
- Membership of the Council of the Faculty of Computer and Information Ain Shams University.
- Membership of the Board of the Faculty of Science, Banha University.

Visiting Professor at Al-Azhar University in Mansoura, Suez, Tanta, El-Minia, and in order to teach the materials of structural geology, geology and space for undergraduate and postgraduate students.

#### **September 2009 – Present:**

**Coordinator of the Egyptian Space Council.**

The work includes the following:

- 1- Supervising and implementing a road map for space and remote sensing for Egypt
2. Representing Egypt in international conferences
3. Reflecting on international initiatives and projects on space and remote sensing
4. To propose programs and research projects funded by the State

#### **March 1997 – March 2003**

**Chairman of the Egyptian Remote Sensing and Space Sciences Authority, Ministry of state of the scientific research**

The objective of the Authority is to regulate, supervise and control all matters related to Remote Sensing and Space Sciences on national bases to work on the state of the art on such technology to transmit ,distribute and the technology to the Egyptian Authorities, research institutes ,Universities and other Egyptian agencies , in a way that ensures availability and continuity of supply the technical support so as to satisfy the demand for the various aspects of usage of the remote sensing applications, taking into consideration technology transfer. . The Agency aims also at preparing laboratory and manpower in the field of Space Sciences . Main deliverables over these five years were:

- Introduce of new techniques in remote sensing including hyper spectrum, and Radar technologist. .
- Development the Egyptian Space Program including the first Egyptian Satellite (Egypt Sat-1).

- Introduce of Air born Laser techniques in Surveying.

### **September 1990 – July 1994**

#### **Director and Professor of the Remote Sensing Center United Arab Emirates University .**

He was elected to the University of the United Arab Emirates as a professor in the Department of Geology and Director of the Center of the remote sensing 1990 until 1994. The work included the following:

- Teaching for graduate students and bachelor's degree courses in remote sensing and research projects.
- Supervising graduate students to obtain master's degrees.
- Full supervision of the design, construction, development and operation of the Remote Sensing Technology
- Preparation of the National Atlas of the UAE.
- Participation in the establishment of a Master of Environment degree at the UAE University.
- Supervising the first Master Thesis at the UAE University.
- Supervising a number of courses in the field of remote sensing and information systems.

### **September 1978 - July 1983**

#### **Director of the Remote Sensing Center and Associate Professor of Geology Qatar University**

He was admitted to the University of Qatar as Assistant Professor, Department of Geology from 1978 until 1983. The work included the following:

- Teaching undergraduate students courses in remote sensing, geology, geomorphology and research projects.
- Establishment, processing and development of the remote sensing plant at Qatar University.
- Supervising the National Project of the Space Atlas in Qatar.
- Development of geology curricula at the Ministry of Education in Qatar.

### **September 1983– July 1990**

**Visiting Professor at the Center for Remote Sensing, Academy of Scientific Research and Technology, Cairo,** to supervise the Department of Geology and Training Courses in Remote Sensing from 1983 to 1990. The work included the following:

- Supervising, developing and participating in research on remote sensing in the field of geology
- Participation in development projects in the country
- Establishing and conducting a series of training courses with the support of the American Support Agency and the New Institute of Michigan

### **Highlights:**

#### **a. The Egyptian Arabic Republic:**

- Studying the development of Suez Canal axis - Ministry of Housing
- Studying the development of the Golden Triangle - Ministry of Housing

- Study of the development of the third region (development of Sinai and the provinces of the Canal) - Ministry of Housing
- Study of the development of the northern coast of Egypt - Ministry of Planning
- Development Map Egypt 2052 - Ministry of Housing
- Study of the development corridor project and finding alternatives - Ministry of Planning
- Development of the National Authority for Remote Sensing and Space Sciences and the establishment of the Egyptian space program.
- Establishment of the Council for Space Research and Remote Sensing - Academy of Scientific Research and Technology
- Establishment of the Journal of Sensing Research and GIS and Space, Egypt.
- Establishment of the Egyptian Society for Remote Sensing and Geographic Information Systems.
- Participate in the development of the first space strategy in Egypt.
- Participating and supervising the processing of the information and remote sensing unit in the Egyptian Geological Survey.
- Participating in the development of the Information Center at the Ministry of Construction.
- Participation in the National Space Atlas of the Arab Republic of Egypt. Ministry of State for Scientific Research
- Participate in the project of inventory of mineral and petroleum resources funded by the US funding agency.
- Participation and supervision of geological studies of engineering, geological problems in the city of 15 May.
- Participating and supervising the geological studies of engineering, geological problems in the new city of Minia.
- Participate in the Committee for the Study of Alternatives to the Ring Road.
- Participate in the Sharm El-Sheikh City Planning Project.
- Participate in the planning project of Safa City, Assiut.
- Participate in the committee for the construction of Al-Tur Road, St. Catherine.
- Participating in the crash committee in Moqattam, Ministry of Scientific Research.
- Participating in floods studies at the Ministry of Construction, Ministry of Irrigation.
- Study of landslides in Deir El Bahary area, Luxor, Egyptian Antiquities Authority.
- Geological studies for the development of the pyramids of Giza, Egyptian Antiquities Authority.

**B.State of Qatar (1978-1983):**

- Establishment, processing and development of the remote sensing unit at the University of Qatar.
- Supervising the National Project of the Space Atlas in Qatar.
- Preparation of the land space map in Qatar.
- Development of geology curricula at the Ministry of Education in Qatar.
- Author of the book of geology for the second secondary grade

**C. State of United Arab Emirates:**

- Full supervision of the design, establishment, development and operation of the Center for Remote Sensing and Space Science Technology and its preparation to participate in the implementation of national

projects that serve development purposes in the fields of: mineral wealth. Agriculture. Land use potential. Land and marine environment Urban planning. Space mapping. the climate.

- Preparation of the National Atlas of the UAE.
- Participation in the National Environmental Committee.
- Participation in the establishment of a Master of Environment degree at UAE University.
- Supervising the first Master Thesis at the UAE University.
- Supervising the first Master Thesis at the UAE University.
- Participate in the establishment of a center for climate records from satellites.
- Supervising the Japanese Mission for the Study of Dry Areas and Sand Dune Movement.
- Supervising a number of courses in remote sensing and information systems.
- Participation in the military space modernization project (digital maps).

### **Research Experience:**

1. Publication of (90) researches in the field of geology and remote sensing applications.
2. Supervising a number of master's and doctoral dissertations for postgraduate students at Ain Shams University, Al-Azhar, Desert Center and Water Research Center in the Arab Republic of Egypt.
3. Authoring and participating in the preparation of a number of scientific books and atlases.

### **Participating and supervising several research projects including:**

1. Head of the United Nations Development Program (UNDP) project to upgrade the capacity of the Geological Survey and the National Authority of Remote Sensing and Space Sciences (1999-2002).
2. Land Use Study in the State of Afghanistan funded by the Food and Agriculture Organization of the United Nations (FAO) using Remote Sensing data-2011.
3. Land Use Study in the State of Yemen, funded by the Food and Agriculture Organization of the United Nations (FAO) using remote sensing
4. Supervision of several projects for the Urban Planning Authority and the Ministry of Housing" e.g. New Minia, May 15, Development of Upper Egypt, North Delta, ...etc." (1997-present).
5. Development project "e.g. Halaib, Shalatin, Egyptian Academy of Scientific Research" (1997-2002).
6. Geological studies of the proposed road Agiba - Najila (Marsa Matrouh - Sidi Barani)
7. Regional natural features of the area located between Cairo, Suez and Cairo, Ismailia, the Ministry of Housing- Egypt
8. Geophysical study of the new city of Giza
9. Radar survey project of Saqqara area for the search for buried effects, Japanese Space Agency (2000).
10. North Sinai Radar Survey for Groundwater Research, (2001-2002).
11. Mediterranean Disaster Monitoring Project (**Tramid**), Italian Space Authority (2001-2002).
12. Follow-up project for Petroleum Development in the Mediterranean, French Space Authority (1998-2001).
13. Environmental Tracking Project using the Communication Satellite (Metro) of the French Space Authority (2000-2001).

14. Project for the Follow-up of Environmental Changes in the Mediterranean Basin (CAMELIO), European Space Agency (2000-2002).
15. Remote sensing information for the Mediterranean environment (**MERCE**) European Space Agency (2000-2002).
16. Coastal Studies Project in Egypt, FAO (2001-2003).
17. Geographic Information Systems Project for Eastern Africa, FAO (1998-2002).
18. Environmental studies project in Siwa Oasis , Ain Shams University (1974-1976).
19. The Egyptian Deserts Project, a joint project between Ain Shams University and the Smithsonian Institute of the United States (1975-1978).
20. Survey of Natural Resources of the Arab Republic of Egypt, Academy of Scientific Research and Technology and the American Aid Organization (1973-1990).

### **Field experiences:**

#### **a. Inside Egypt:**

1. Geological Well in the Eastern Oil Company in the Gulf of Suez, 1965.
2. Journeys to North Western Sahara, Arab Republic of Egypt, 1969.
3. Trips to the Nile Valley, Upper Egypt.
4. Trips to the Eastern Desert and Sinai with a number of graduate students.

#### **b. Outside the Arab Republic of Egypt:**

1. A trip to the Angsana region, Sudan to study chromites deposits.
2. Journey to Gothenburg, West Germany to map geological.
3. Journey to the Montalba region, Spain to map a geological map.
4. Journey to the Red Sea Mountains, Saudi Arabia.
5. A series of geological excursions in Qatar with scientific research students.
6. A group of scientific trips in the United Arab Emirates
7. Geologic trips to Sudan and Morocco for Manganese investigation

### **ADDITIONAL QUALIFICATIONS:**

1. Chairman of the UNDP-UNESCO Joint Project for the Capacity Building of the Egyptian Geological Survey and Mining Authority (EGSMA) and the National Authority for Remote Sensing and Space Sciences (NARSS), for the Sustainable Development of the South Valley and Sinai (Project # Egy/97/011/A/01/3).
2. Chairman of Series of projects jointly conducted with the Ministry of Housing, Utilities and New Communities, for Geological Studies and Development Planning of Some New Cities in Egypt.
3. Chairman of the National Project on the Integrated Development of Halayib-Shalatiya Region in Southeastern Egypt, Sponsors by the Academy of Scientific Research and Technology.
4. Chairman of a Scientific Research Project to study the Economic Deposits in the Major Wades in Sinai and the Eastern Desert of Egypt.

5. Chairman of a Scientific Research Project to study the Application of Radar Images for Groundwater Exploration in southwestern Egypt.
6. Chairman of the Egyptian side of the International Project on Regional Earth Observation Application for Mediterranean Sea Emergency Surveillance (RAMSES), Sponsored by the European Commission.
7. Chairman of the Egyptian side of the International Project on Water Efficiency-Use in Natural Vegetation and Agricultural Areas, by Remote Sensing, in the Mediterranean Basin (WATERMED).
8. Chairman of the Egyptian side of the International Project on the Interactive Satellite Image Survey (ISIS) for Oil Slick Application in the Mediterranean Region.
9. Chairman of the Egyptian side of the International Project on Global Climate Change.
10. Chairman of the Egyptian side of the International Project on the Mediterranean and European Telecommunications for Environment Information Distribution (METEOR).
11. Chairman of the Egyptian side of the International Project on the Change in Arid Mediterranean Ecosystems on the Long-Term Through Earth Observation (CAMELEO).
12. Chairman of the Egyptian side of the International Project on the Mediterranean Environment Remotely Sensed Information (MERSI-WEB).
13. Chairman of the Egyptian side of the International Project on the Application of Remote Sensing to Agriculture and Land use for East Mediterranean Region (Land-Water MED).
14. Co-Principal Investigator of the FAO Project AFRICOVER for Soil Investigation of North Africa.
15. Co-Principal Investigator of the FAO Project to Prepare Soil Map of Egypt.
16. Co-Principal Investigator of the National Project on New-Valley Information System for Land Management and Environment (NILE).

### **MEMBERSHIPS:**

- Reporter of the Committee on Space Research and Remote Sensing - Academy of Scientific Research and Technology
- Reporter of the National Committee for Space, Sensing and Meteorology - Academy of Scientific Research and Technology
- Member of the Committee of Senior Geologists - Ministry of Petroleum and Mineral Resources
- Member of the Promotion Committee for Professors of Geology - Supreme Council of Universities
- Member of the promotion committee for professors and assistant professors of geology - National Research Center
- Member of the promotion committee for professors and assistant professors of geology - Desert Institute and Ministry of Agriculture
- Member of the Supreme Advisory Committee for the reconstruction of the Arab Republic of Egypt. - Ministry of Construction
- Member of the Board of Directors of the Egyptian Antiquities Authority - Ministry of Culture
- Reporter of the Egyptian Committee for Natural Disasters. - Scientific Research Academy



- Member of the Permanent Committee for Mineral Resources and Petroleum Resources, Academy of Scientific Research, Egypt.
- Member of the Permanent Committee for Environment. - Supreme Council of Universities
- Reporter, Mining Division, Academy of Scientific Research, Egypt.
- Member of the Board of Directors of the Photovoltaic Energy Center, Faculty of Science, Ain Shams University.
- Member of the General Secretariat of the Ministerial Committee for Technology Development.
- Member of the Board of Directors of the Egyptian Geological Survey for four sessions.
- Member of the Board of Directors of the Egyptian Survey Authority
- Member of the National Committee for the implementation and follow-up of the decisions of the Sahara and Sahel Conference - Ministry of Agriculture.
- Member of the National Committee for Climate Change.
- Member of the Ministerial Committee for Technology Development.
- Member of the Ministerial Committee on Transport.
- Member of the Supreme Council of Research Centers and Institutes - Ministry of State for Scientific Research.
- Member of the committee to study the project of establishing geographic information systems for monuments in Egypt - Supreme Council of Antiquities.
- Member of the Board of Directors of the National Institute of Oceanography and Fisheries - Ministry of State for Scientific Research.
- Member of the Board of Directors of the National Institute of Astronomical and Geophysics Research - Ministry of State for Scientific Research.
- Member of the Board of Directors of the Egyptian General Authority for Geological Survey and Mining Projects.
- Member of the Board of Directors of the Egyptian General Authority for Surveying.
- Member of the Board of Directors of the Egyptian Coal Company.
- Member of the Board of the Center for Photovoltaic Energy and its Chemical Applications, Faculty of Science, Ain Shams University.
- Member of the Board of Directors of the Middle East Research Center.
- Consultant of the Egyptian General Authority for Geological Survey and Mining Projects in the Arab Republic of Egypt.
- Consultant of the Urban Planning Authority.
- Vice Chairman of the Science and Technology Research Council of the Academy of Scientific Research and Technology

### **EXTRACURRICULAR ACTIVITIES:**

- Ex editor, Middle East Research Journal, Earth Research Series, Ain Shams University.
- Ex editor in Chief of the Journal of Remote Sensing Research and Space Sciences, Egyptian Society for Sensing.

- Nomination of the UNESCO Office and Ain Shams University, Ministry of Construction for the International Award for Best Achievement in Remote Sensing for 1995.

### **PROFESSIONAL SOCIETIES:**

1. Member of the of Scientific Society Professions.
2. Member of the International Society of Geological Engineers.
3. Member of the Egyptian Geological Society.
4. President of the Egyptian Society for Remote Sensing and Geographic Information Systems.
5. President of the Association of Dutch University Graduates in Egypt.
6. Member of the Egyptian Association of Mining.
7. Member of the Renaissance Mining Association

### **MEMBERSHIP OF RELATED COMPANIES:**

1. Member of the Board of Directors of Ascom Mining Group
2. Member of the Board of Directors of the Egyptian Company for Precious Metals
3. Member of the Board of Directors of South Valley Mining Company (formerly)
4. Member of the General Assembly of the Egyptian Company for Mining
5. Chairman of Sinai Manganese Company

### **AWARDS:**

1. **Pioneers Award for Basic Sciences - Academy of Scientific Research 2018**
2. **Ain Shams University Appreciation Award for Technology Sciences 2016**
3. The Gagarin Medal in Space from Russia
4. Armor Department of arming the armed forces
5. Shield of Luxor Governorate
6. Shield of Minia Governorate
7. 5. Shield of the remote sensing - Republic of Syria
8. Shield and certificate of appreciation Faculty of Science, Ain Shams University
9. Certificate of Merit of the Ministry of Environment
10. Shield and Certificate of Appreciation of the Center for Arid Land Studies (LAS)

### **MANAGEMENT:**

**Director**, National Authority for Remote Sensing and Space Sciences (1997- 2003)

**Director**, Remote Sensing Center, Al Ain University, United Arab Emirates (1992-1996)

**Director**, Remote Sensing Center, Qatar University, Doha, Qatar.(1978-1983)

**Manager**, UNDP-UNESCO Joint Project for the Capacity Building of the Egyptian Geological Survey and Mining Authority (EGSMA) and the National Authority for Remote Sensing and Space Sciences (NARSS), UNDP(1999-2003)

**Chairman**, of Sinai Manganese Company (2015- Present)

### **PUBLISHED BOOKS AND ATLASES:**

- Western Desert Development - Ministry of Planning
- Atlas of the Development Corridor - Ministry of Planning
- Space Atlas of the Arab Republic of Egypt - National Authority for Remote Sensing
- Climate Atlas of the Sinai Peninsula - UNESCO Cairo
- Geological Atlas of the Sinai Peninsula and South Valley - UNESCO Cairo
- Hydrographic Atlas of the Sinai Peninsula - UNESCO Cairo
- Geological Hazards of the Sinai Peninsula - UNESCO Cairo
- The dangers of sand dunes in southern Egypt - Definition of the problem - Desertification book in the Arab world - ACSAD Center - League of Arab States
- Geology of Gabal Al Mokattam - Scientific Research and Technology Academy
  - Sand Encroachment on the Nile in Southern Egypt: Problem Identification Using Remote Sensing Techniques-ACSAD-2007
  - Conservation and Sustainable Use of Medicinal Plants Project- Part I: GEOGRAPHY AND ECOLOG –Medicinal Plants Conservation Project- GEF-2005
- WATERSHED MANAGEMENT PROJECT IN EGYPT/SUDAN, ENTRO, SWECO International, Stockholm, 2007

### **LANGUAGES**

<b>Arabic</b>	Mother tongue	<b>English</b>	Fluent
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Signature: Mohamed Adel Yehia (PhD)

January 2018

## **LIST OF PUBLICATION**

**Prof. Mohamed Adel Yehia**

1. **Yehia, M.A. and Basada M. (2012)**Monitoring of Air Pollution Using Remote Sensing Technology: A CASE STUDY CAIRO, EGYPT-ACSAD
2. **Mashel Bent Mohamed Al SAUD and Yehia M.A. (2012)**The Influence of the Geomorphologic Parameters and Soil Properties on the Hydrological Characteristics of MakkAh Area –SAUDI ARABIA (In press)
3. **Mashel Bent Mohamed Al SAUD and Yehia M.A. (2011)**SRTM IN INTERFEROMETRY AND APPLICATIONS IN GEOMORPHOLOGY- (Holley Makah Area Case Study)- J .Remote Sensing
4. **Yehia, M.A.; (2010):**Egyptian Phosphate Database- **EMIRA**

**Yehia, M.A.; (2010)**Preparation of Standardized a Guidelines for Monitoring Land Degradation Syndromes at Site Level (Hot Spots). The ACSAD/GTZ project on the Arab countries

**Yehia, M.A.; (2009)** Ground Penetrating Radar (GPR) Survey for Detection of Subsurface Utilities Along Cairo- Alexandria ,**Egyptian Arab contractors Magazine.**

**Yehia, M.A.; (2008)** Monitoring dust storms and mapping landscape vulnerability to wind erosion using satellite and ground-based digital images-ACSAD

**Zaghloul,E.A.,Yehia,M,A and Elewa,H.H (2003)** Art Painting (Rock Inscriptions) at Gebel Abraq, South Eastern Desert ,Egypt, The Egyptian Journal of RS and Space Sciences, vol, VI.

**Gad, A. and Yehia, M. A.; (2001).** Implying Space data and GIS in the Survey of Unconventional water resources and their economic potentiality the Arabic World, Submitted and presented for the conference of UARC Recent techniques in agriculture water economies, Tunis, Sept.17-19, 2001.

5. **Gad, A; Yehia, M. A. and Escadafal, R.; (2001).** Integration of multi-temporal satellite data, ground truth and GIS in the sustainable management of northwestern coastal zone, Egypt, submitted for the International symposium of "Arid Regions Monitored by Satellites from Observing to Modeling for Sustainable Management", Marrakech, Nov.12-15, 2001.
6. **Gad, A.; Ghaderi, M.A, and Yehia, M.A.; (2001).** Long term change detection of land use / land cover in northwestern coast of Egypt on basis of remote sensing and GIS, submitted for the International symposium of "Arid Regions Monitored by Satellites from Observing to Modeling for Sustainable Management", Marrakech, Nov, 12-15, 2001.
7. **Yehia, M.A.; Ihab, N., and Gad, A.; (2001).** characterizing the environmental conditions of land use / land cove., classes towards the assessment of desertification. submitted for the International symposium

of "Arid Regions Monitored by Satellites from Observing to Modeling for Sustainable Management', Marrakech, Nov, 12-15, 2001.

8. **Yehia, M.A.; & Gad, A.G.; (2001).** A case study in northwestern coast of Egypt, submitted for the International symposium of "Arid Regions Monitored by Satellites from Observing to Modeling for Sustainable Management", Marrakech, Nov.12-15, 2001.
9. **El Baz, F, Yehia, M.A. ,Ramadan, T,and Kusky, T,M: (2000)** Notes on the Structural and Neotectonic Evolution of El-Faiyum Depression, Egypt: Relationships to Earthquake Hazards, The Egyptian Journal of RS and Space Sciences, vol,III.
10. **Yehia, M. A., Hamdan,A.H ,Ashmawy,M.H, Hassan,O.,A., ,Hermas and ,El-Etr,H.:(2000)** Preliminary Appraisal of Geo-Data of the Asyut-Kharga District,Egypt,for Urban Development, The Egyptian Journal of RS and Space Sciences, vol,III.
11. **Yehia, M. A.,Ashmawy,M.H, Hassan,O.,A.,Hamdan,A.H,Hermas and ,El-Etr,H.:(2000)** Geo-Environmental Study of the Central Part of the Western Desert, Egypt. The Egyptian Journal of RS and Space Sciences, vol,III.

**Yehia M.A., Amina. H. Hamdan, Hassan O.A., El-Etr H.A. (2000):** A Regional Study of the Drainage Basins of the Gulf of Suez and an Assessment of their Flash Flood Potential. 2<sup>nd</sup> Inter. Conf. On Earth Observation and Environmental Information, 11-14 Nov. 2000, Cairo, Egypt.

12. **Gad, A, Abdel-Samei, A.G. & Yehia, M.A.; (2000).** Monitoring, Assessment and Combating Desertification Processes - Case studies in Egyptian Arable Land, Proceedings of the 2nd International Conference on Earth Observation & Environmental Information (on a CD), Cairo, Egypt, November 11-14, 2000.
13. **Gad, A.; El-Raey, M.; Abdel-Razik, M. S. & Yehia, M.A.; (2000).** Changes in land use and land cover in arid southern Mediterranean on the long term using remote sensing and GIS - A study case on Northwest of Egypt. Egypt, Paper submitted for the Middle East and African Remote Sensing International Symposium - MARISY 2000, Rabat, Morocco, 26-27 October 2000.
14. **Gad, A. & Yehia M. A.; (2000).** Detection and evaluation of land degradation in the northern coast, Egypt, using multi temporal space

imageries. Paper submitted for the regional conference of the Egyptian Soil Science Society, October 2000.

15. **Ahmed, M.; Frihy, H.; & Yehia, M.A.; (2000).** Environmental Management of the Mediterranean Coastal Lagoons of Egypt. *Annals Geol. Surv. Egypt* V.XXIII pp. 491-508.
16. **Abdeen, M.M.; Stern, R.J.; Yehia, M.A.; & Cherif, O.H.; (2000).** Evolution of the Neoproterozoic Allaqi-Heiani Suture Zone, Southern Egypt, 38<sup>th</sup> meeting of the Geological Society of Egypt, Cairo.
17. **Abdeen, M.G.; Nielsen, K.C.; & Yehia, M.A.; (2000).** Active dextral Wrenching in Southern Egypt, 38<sup>th</sup> meeting of the Geological Society of Egypt, Cairo.
18. **Ahmed, M.H.; Yehia, M.A.; & Robert J. Nicholls; (2000).** Monitoring the Nile Delta: A Key Step in Adaptation to Long-Term Coastal Change. 2<sup>nd</sup> International Conference of Earth Observation and Environmental Information, 11-14 November 2000, Cairo, Egypt.
19. **Yehia, M.A.; Abdel-Salam, M.G., Kennedy, A.; & Lehart, T.M. (2000).** Orbital Remote Sensing of the Kalabsha and Related Faults Southern Egypt, The International Conference on the Western Desert, Cairo, pp. 53-54., Cairo.
20. **Nielsen, K.C.; Yehia, M.A.; & Abdel-Salam, M.; (2000).** Kalabsha fault a seismic hazards for the Aswan High dam, Southern Egypt, Annual meeting of the Geological Society of America.
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