

## ***CURRICULUM VITA***

**Dr. Rasha Ibrahim Mohammed Ahmed El Gohary**



### **General Information:**

**Place and Date of Birth:** Cairo, 19/12/1975

**Nationality:** Egyptian

**Native language:** Arabic

**Foreign languages:** English

**Address:** 4 Cournish El Nile – Maadi - El Mohandeseen Towers – Tower 4 –Floor 28 – Flat 3

**(Work):** Higher Technological Institute at 10<sup>th</sup> of Ramadan City

**(Work):** Central Laboratory for Environmental Quality Monitoring (CLEQM), Ministry of Water Resources and Irrigation, National Water Research Center, P.O. BOX 6, El Kanater Kalubeya 13621, Egypt.

**(Work):** Head of Contracts & Financial Department - Tawfic & Associates – Environmental & Water Consultants

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## **Scientific Degrees:**

**B.Sc. in Civil Engineering**, Ain Shams University, Cairo, 1998.

**M.Sc. in Civil Engineering, *WATER QUALITY STUDY FOR REUSE PROJECTS***, Ain Shams University, Cairo, 2002.

**Ph.D in Civil Engineering, *IN- STREAM WETLAND WATER QUALITY MANAGEMENT SYSTEM***, Ain Shams University, Cairo, 2006.

## **Courses:**

- **Advanced Fluid Mechanics**, Ain Shams University, Cairo, 1999.
- **Open Channel Flow (2)**, Ain Shams University, Cairo, 1999.
- **Hydraulic Structures (2)**, Ain Shams University, Cairo, 1999.
- **Surface Water Hydrology (2)**, Ain Shams University, Cairo, 1999.
- **Topics in Water Resources Engineering (2)**, Ain Shams University, Cairo, 1999.
- **Environmental Engineering in Coastal Zones**, Ain Shams University, Cairo, 1999.
- **TOEFL**, Ain Shams University, Faculty of Arts, Cairo, 2001.
- **Special Subjects in Water Resources (2)**, Ain Shams University, Cairo, 2002.
- **Special Subjects in Hydrology**, Ain Shams University, Cairo, 2002.
- **Surface Water Hydrology**, Ain Shams University, Cairo, 2002.

## **Teaching Experience:**

### **Undergraduate Courses:**

Irrigation - Drainage - Fluid Mechanics - Hydraulics - Design of Irrigation Structures - Civil Engineering Drawing. - Environmental Hydrology - Water Resources Engineering - Environmental Impact Assessment for Projects - Coastal Engineering - Environmental Engineering - Graduation Project (Coastal Engineering & Hydrology & Irrigation Engineering Projects)

**(Higher Technological Institute at 10<sup>th</sup> of Ramadan City & 6<sup>th</sup> of October University & Benha University-Faculty of Engineering - Shoubra)**

## **General Courses:**

1. Course Coordinator and Instructor for the course in Titled “***Design, Operation and Maintenance of Irrigation systems for Small and Large Areas*** “At Higher Technological Institute 10th of Ramadan City, Egypt for Training Program for Iraqi Personnel in Egypt funded by GTZ, from 5-17 January 2011.
2. Course Coordinator and Instructor for the course in Titled “***Water Quality Management*** “for Saudi Personnel in Kuwait by Masters (Technical Consulting & Solutions L.L.C.), from 7-11 November 2010.
3. Course Coordinator and Instructor for the course in Titled “***Advanced Course on Laboratory Techniques –Regional Short Course***” for Sudanese Personnel by Central Laboratory for Environmental Quality Monitoring, from 12-24 July 2010.
4. Course Coordinator and Instructor for the course in Titled “***Advanced Course on Laboratory Techniques –Regional Short Course (Lab Managers)***” for Nile Basin Countries Personnel by Central Laboratory for Environmental Quality Monitoring, from 1-3 December 2009.
5. Course Coordinator and Instructor for the course in Titled “***Techniques of Measurement and Collection of Data Concerning Irrigation and Drainage*** “At Higher Technological Institute 10th of Ramadan City, Egypt for Training Program for Iraqi Personnel in Egypt funded by GTZ, from 28 November – 11 October 2009.
6. Course Coordinator and Instructor for the course in Titled “***Advanced Course on Laboratory Techniques –Regional Short Course***” for Nile Basin Countries Personnel by Central Laboratory for Environmental Quality Monitoring, from 12-30 August 2007.

## **Experience:**

1. Working as a Training Center Director , and projects Coordinator with Central Laboratory for Environmental Quality Monitoring (CLEQM), Ministry of Water Resources and Irrigation, National Water Research Center (2006-
2. Working as Lecturer, Civil Engineering, Irrigation &Hydraulics Dept., Higher Technological Institute (H.T.I), 10th of Ramadan City (2006-
3. Working as Lecturer, Civil Engineering, Irrigation &Hydraulics Dept., 10th of Ramadan University (2010-
4. Working as Lecturer, Benha University - Faculty of Engineering at Shoubra , Civil Engineering Department (2010-

5. Working as a Project Coordinator with Central Laboratory For Environmental Quality Monitoring (CLEQM), Ministry of Water Resources and Irrigation, National Water Research Center at a funded project with title of " development of environmentally safe drinking water supply systems for the rural communities within he Nile delta region " (2007-
6. Working as a Project Coordinator with Central Laboratory For Environmental Quality Monitoring (CLEQM), Ministry of Water Resources and Irrigation, National Water Research Center at a funded project with title of "risk – based water resources management system " (2007-
7. Working as a Project Coordinator with Central Laboratory For Environmental Quality Monitoring (CLEQM), Ministry of Water Resources and Irrigation, National Water Research Center at a funded project with title of " ENVIRONMENTAL impact assessment for Hand pump in Rural Areas Project " (2003-2006)
8. Working as a Project Coordinator with Central Laboratory For Environmental Quality Monitoring (CLEQM), Ministry of Water Resources and Irrigation, National Water Research Center at a funded project with title of " Passive In-stream Wetland Treatment of Drain Water Project " (2003-2006)
9. Working as an Assistant Lecturer, Irrigation &Hydraulics Dept., Higher Technological Institute (H.T.I), 10th of Ramadan City (2004-2006)
10. Working as an Assistant Lecturer, Civil Engineering, Irrigation &Hydraulics Dept., & 6th of October University (2005-2006)
11. Working as a Assistant Researcher with Central Laboratory for Environmental Quality Monitoring (CLEQM), Ministry of Water Resources and Irrigation, National Water Research Center (2002-2006)
12. Working a M.Sc. Student under PROF.DR. GAMAL IBRAHIM ALLAM “Secretary General in (NWRC)”, (1999-2002) The study in the field of monitoring the Spatial and Temporal impacts of water quality Variations. The thesis is entitled: “Water Quality Study for Reuse Projects”. This thesis required field and laboratory data and information from the National Water Research Center (NWRC)
13. Working as an office engineer With “WRIDMP Engineering Consults” PROF.DR. GAMAL IBRAHIN YOUSSEF ALLAM, (1999-2002). In These Fields: Construction Management – Surface Water Hydrology – Groundwater Investigations and Development – Water Quality Issues.
14. Working as an office engineer With “Consulting Engineering Bureau” PROF.DR. A. MONGY & ASSOCIATES, (1996-2004) In These Fields: Irrigation - Drainage - Fluid Mechanics - Hydraulics - Design of Irrigation Structures - Civil Engineering Drawing. - Environmental Hydrology - Water Resources Engineering - Environmental Impact Assessment for Projects – Coastal Engineering -Environmental Engineering.
15. Working as an engineer under training with “The Engineering Projects Company for Steel Works (STELCO), (5-1996: 10-1996).

## **List of Published Research:**

1. Mona El Kady, A.A. Hassan ,Tarek A. Tawfic, S.M. Kamel, R.El Gohary. **“WATER QUALITY MANAGEMENT FOR REUSE DRAINAGE WATER PROJECTS”**, Civil Engineering Research Magazine, Al-Azhar University, Cairo, 2005.
2. *A.A. Hassan, Tarek A. Tawfic, S.M. Kamel, R.El Gohary* **" Environmental Water Quality Management for El Salam Project"** Ain Shams University, Engineering Bulletin, 2005.
3. **R.El Gohary**, A.N. El Bahrawy, Tarek A Tawfik, Mona El Kady, **"IN STREAM PASSIVE WATER QUALITY MANAGEMENT SYSTEM"** Ain Shams University, Engineering Bulletin, 2006.
4. H. A. Abd El-Gawad, **R. El-Gohary** and T. Tawfic **"ORGANIC, METAL UPTAKE AND POLLUTION CONTROL IN WETLAND"** Cairo university, Chemical Engineering Bulletin, 2007.
5. H. A. Abd El-Gawad, **R. El-Gohary** and T. Tawfic **" MITIGATION MEASURES OF ENVIRONMENTAL DEGRADATION FOR NON-CONVENTIONAL WATER: A CASE STUDY"** A Cup of Clean Water Conference, association of Maadi's intellectuals, 2007.
6. H. A. Abd El-Gawad, **R. El-Gohary** and T. Tawfic **" RESTORATION OF CHEMICAL, BACTERIOLOGICAL CHARATERIZATION FOR DRAINAGE WATER: CASE STUDY "** Ain Shams University, Engineering Bulletin, 2008.
7. **R. El-Gohary** and T. Tawfic **"DEVELOPMENT OD DRINKING WATER SUPPLY SYSTEMS USING HAND PUMPS IN RURAL AREAS"** Ain Shams University, Engineering Bulletin, 2008.
8. **R. El Gohary** ,T. Aly Esmaeel El Gohary **"DEFINING THE SAFEST DISTANCE BETWEEN DRINKING WATER WELL AND ONE OR TWO DRAINS UNDER THE EFFECT OF DIFFERENT TYPES OF SOIL"** Civil Engineering Research Magazine, Al-Azhar University Bulletin, 2008.
9. **R. El Gohary** ,T. Aly Esmaeel El Gohary **" EIA OF DRINKING WATER SUPPLY SYSTEMS USING HAND PUMP IN RURAL AREAS "** Civil Engineering Research Magazine, Al-Azhar University Bulletin, 2008.
10. **R. El Gohary**, T. Aly Esmaeel El Gohary **"The Improvement Efficiency of Water Quality in Egyptian Drains by using Re-aeration Weirs: A Case Study"** Civil Engineering Research Magazine, Al-Azhar University Bulletin, 2008.
11. **R. El Gohary**, T. Aly Esmaeel El Gohary **"STUDY OF EROSION OF EGYPTIAN COAST AND SHORE LINE CHANGES"** The 4<sup>th</sup> International Scientific Conference of The Military Technical Collage 27-29 May 2008.

12. **R. El Gohary, T. Aly Esmael El Gohary "PHYSICAL REPRESENTATION OF HURRICANES"** Civil Engineering Research Magazine, Al-Azhar University Bulletin, 2008.
13. **R. El Gohary, "THE IMPROVEMENT EFFICIENCY OF WATER QUALITY IN EGYPTIAN DRAINS BY USING RE-AERATION WEIRS: A CASE STUDY"** 27th Annual Water Treatment Technology Conference, from 16th. -18th May 2009 in FOUR SEASONS HOTEL, Alexandria at San Stefano, Egypt.
14. **R. El Gohary "GUIDELINES FOR ENVIRONMENTAL IMPACT ASSESSMENT OF PORTS, HARBORS AND MARINAS A CASE STUDY"** First International Conference on Coastal Zone Management of River Deltas and Low Land Coast Lines , Sheraton Montazah Hotel , Alexandria, Egypt, 6-10, March 2010
15. **R. I. El Gohary·T. A. El Gohary "SUBMERGED HYDRAULIC JUMP AS A NON CONVENTIOINAL SOURCE OF ENERGY AND THE VARIANCE OF VELOCITY DISTRIBUTION THROUGH IT "**Ain Shams Journal of Civil Engineering (ASJCE), September 2010.
16. **R. I. El Gohary "ENVIRONMENTAL IMPACT ASSESSMENT STUDY FOR THE DEVELOPMENT OF A TOURISTIC AREA "** *Int'l Journal of Arts & Sciences (IJAS) Semi-Annual Conference* Which will be held at, Schulstraße 15, 79288 Gottenheim, Germany (28 Nov – 3 Dec 2010), **and** *International Journal of Arts & Sciences (IJAS)*
17. **R. El Gohary, N. A.A. Hassan "ENVIRONMENTAL IMPACT ASSESSMENT (EIA) OF MARINE STRUCTURES -A CASE STUDY"** Korean Society of Civil Engineers (KSCE) Journal of Civil Engineering, February 2011.

## **Practical Experience:**

- 1- Environmental Impact Assessment (EIA) and water works consultant for Jollie Ville Resort, Melouk Island, Luxor, El Temsah Touristic Development Company. (2009)
- 2- Environmental and Hydrology Consultants for Red Sea Sharm Touristic Development Company (Oriental Weavers) in Marsa Alam. (2009)
- 3- Assessment of Water Quality Status and laboratory requirements for Southern Sudan (2009)
- 4- Environmental and Hydrology Consultants to the Libyan Government for the Sudan Libya Misr Company for Land Reclamation of 40,000 Feddans in Saleheya in Egypt (2008-Present)
- 5- Environmental Impact Assessment (EIA) and water works consultant to the development of a touristic resort on 7,400,000 m<sup>2</sup> in Sharm El-Sheikh, Golden Pyramids Company -City Stars. 2007-
- 6- Environmental Impact Assessment (EIA) and water works consultant to the development of a touristic resort on 1,800,000 m<sup>2</sup> in Northern Coast, Golden Pyramids Company -City Stars. 2007-
- 7- Environmental Impact Assessment (EIA) and water works consultant to the development of a touristic resort on 2,400,000 m<sup>2</sup> in Soma - Hurghada, Golden Pyramids Company -City Stars. 2007-
- 8- Environmental Impact Assessment (EIA) and water works consultant to the development of a touristic resort and marina, Orientals for development, Marsa Alam (1998-2007)
- 9- Environmental Impact Assessment of the use of hand-pump in drinking water, Cairo, Egypt. (2003-2006)
- 10- Evaluation of in-stream constructed wetlands as a method for wastewater treatment, Cairo, Egypt (2003-2006)
- 11- Environmental Impact Assessment for "El-Sharm El-Quibely Touristic Project" - El-Qusier - Red Sea - Sharm Red Sea Company for Touristic Development. (El-Mongy & Associates) 1997
- 12- Environmental Impact Assessment for "Dana Beach Resort Project" - Hurghada - Red Sea - NR Company for Touristic Development. (El-Mongy & Associates) 1998
- 13- Environmental Impact Assessment for "El-Obour Paper Factory Project" - El-Obour City - (BG Consulting Group, Dr. Ahmed Ghali) 2001.
- 14- Preliminary Environmental Impact Assessment for "Port Said Marina" - (ACE, Moharam - Bachum) 2003.