

**Dr. Khaled Ali Amen Ahmed**

*Lecture of, Sanitary and Environmental ,Water Supply system,  
Hydraulics and management of water resources,  
Civil Engineering Department,  
Faculty of Engineering, Assiut University, Assiut, Egypt.*



## 1. PERSONAL INFORMATION

**Name** :Khaled  
**Surname** :Amen  
**Date of birth (Day/month/year)** :3/1/1972  
**Place of birth (City – Country)** :Sohag - Egypt  
**Nationality** :Egyptian  
**Sex (M / F)** :Male  
**Marital status** :Married  
**Number of Children** :Five  
**Occupation** : **Lecture in civil Eng. from 30/4/2006 till now**  
**Major area** :Civil Engineering  
**Specialization area** : ***Sanitary and Environmental, hydraulics and Water Supply system***  
**Permanent address** :Civil Eng. Dept., Faculty of Eng., Assiut Univ.,  
 Assiut 71516, Egypt  
**E-mail address** :[khalid1010\\_2000@yahoo.com](mailto:khalid1010_2000@yahoo.com)  
**Tel.** :002 0105686179 **Mob.**  
**Fax.** :002 088 2332553 or 002 088 2336672

## 2. LANGUAGES

-**German** : I have got a “*Grundstufe 1*” at Goethe institut, Cairo, Egypt.  
 -**English** : I have a ( toefl score 530) good level in " reading , writing and listening ".

## 3. SCIENTIFIC DEGREES

- **B.Sc.** " Civil Engineering ", Faculty of Engineering, Assiut University, Assiut, Egypt,  
**May 1994, (very good with honor's degree).**  
 - **M.Sc.** " Civil Engineering ", Faculty of Engineering, Assiut University, Assiut, Egypt,  
**Dec.1998.**

The title of my thesis was:

**“The effect of irrigation structure Gate-shapes on discharge coefficient“**

I passed successfully this courses for fulfillment of obtaining the master degree:

- **Water Supply system Engineering (Degree is distinction);**  
 - **Hydraulics of water structures (Degree is distinction);**  
 - **Advanced design of irrigation works (Degree is distinction);**  
 - **Advanced mathematics and statistics (Degree is distinction).**  
 - **Ph.D.** "Civil Engineering [Hydraulics and water construction]",

Assiut University Faculty of Engineering, civil Eng. **Sep. 2005**  
 under title:

**“A comprehensive study concerning the effect of curved weir shapes on the flow characteristics and bed topography”**

#### **4. OCCUPATIONS**

- **Demonstrator**, Civil Engineering Dept., Faculty of Engineering, Assiut University, Assiut, Egypt, **1996-2000**.
- **Assistant lecturer**, Civil Engineering Dept., Faculty of Engineering, Assiut University, Assiut, Egypt, **2000-2005**.
- **Lecture**, Civil Engineering Dept., Faculty of Engineering, Assiut University, Assiut, Egypt, **2006 to date**.

#### **5. TEACHING EXPERIENCE**

**I have taught the following courses for undergraduate students:**

a- " *Advanced Sanitary and Environmental and Water Supply system* .

*Fourth Year Students, Faculty of Engineering, Assiut University, Assiut, Egypt.*

b- " *Advanced design of Water Eng. construction ( Bridges, Syphons, Culverts, .etc)*",

*Third Year Students, Faculty of Engineering, Assiut University, Assiut, Egypt.*

c- " *Design of Irrigation and Drainage Systems* ",

*Second Year Students, Faculty of Engineering, Assiut University, Assiut, Egypt.*

d- " *Hydraulics* ",

*Second Year Students, Faculty of Engineering, Assiut University, Assiut, Egypt.*

e- " *Internal Navigation* ",

*Fourth Year Students, Faculty of Engineering, Assiut University, Assiut, Egypt.*

f- " *Civil Engineering Drawing* ",

*First Year Students, Faculty of Engineering, Assiut University, Assiut, Egypt.*

**I have taught the following courses for postgraduate students:**

a-“ *Application of Artificial Neural Networks*” in hydraulics

*Ph.D. Students, Faculty of Engineering, Assiut University, Assiut, Egypt.*

#### **6. PROJECTS:**

-“*Advanced Sanitary and Environmental and design of irrigation constructions*”,

*Fourth Year Students, Faculty of Engineering, Assiut University, Assiut, Egypt.*

- a. Planning of *Water Supply system*.
- b. Design and drawing cross sections of Canals and Drains.
- c. Design and drawing of Water Constructions.
- d. Design and drawing of Advanced Irrigation Systems " Drip and Sprinkling irrigation".

#### **7- SUPERVISION ON post graduate in field of Sanitary and Environmental Engineering**

**1- Advanced solid wastes management**

**2- Industrial wastes treatment**

**3-Removal of heavy metals and hazard wastes from waste water**

**4- Advanced Water Supply Engineering**

**5- Advanced waste water Engineering**

## **7. SUPERVISION ON THE SCIENTIFIC THESES**

**I Am a Supervisor on many Scientific Thesis and I give them many courses:**

- 1- Engineering Application of Computer in Hydraulic and Water Resources For first year Master**
- 2- Advanced Sanitary Compartments.**
- 3-Water Supply Engineering**

## **8. PUBLICATIONS**

- [1]Ashour and Amen, K.A. " Local Scour profile downstream Weirs by Using Artificial neural\_Network" Journal of Eng. Sciences –Facility of Eng. Assiut University, vol.32. No.4**
- [2] Ashour and Amen, K.A. " The Effect of Weirs Shapes on the Discharge Coefficient" Journal of Eng. Sciences –Facility of Eng. Assiut University, vol.33. No.2**
- [3] Ashour and Amen, K.A. " Scour Hole Dimensions Downstream Weirs" Journal of Eng. Sciences –Facility of Eng. Assiut University, vol.33. No.3, May 2005.**
- [4] Amen, K.A. " Mathematical Model for Estimating Scour Downstream Weirs" Journal of Eng. Sciences –Facility of Eng. Assiut University, vol.36. No.2, March 2008.**
- [5] Amen, K.A. " Artificial Neural Network Model for Predicting Discharge Below Gates" Journal of Eng. Sciences –Facility of Eng. Assiut University, vol.33. No.3, May 2008.**
- [6] Amen, K. A., Yasser M.R., "Prediction of Scour Depth Around Bridge Piles Using Artificial Neural Networks" Journal of Engineering Sciences, Assiut University, Assiut, Egypt, March 2009..**
- [7] Amen, K.A. " Prediction Model for predicting Evaporation Rate Using Artificial Neural Networks". EMWAWA 2009, Assiut,University , Egypt, 18-19 Nov. 2009.**
- [8] Ashour M. A and Amen, K.A. " A Study for Estimating the Lake Nasser Evaporation Losses from Reservoir s Surface ". EMWAWA 2009, Assiut,University , Egypt, 18-19 Nov. 2009.**

## **9. CONFERENCE**

- 1) 1<sup>st</sup> International conference of civil engineering science, 7-8 October, Assiut - Egypt 2003;**
- 2) 2<sup>nd</sup> International conference on great rivers attractors for local civilization, 12-14 October, Assiut - Egypt 2003;**
- 3) 1<sup>st</sup> International conference " Economics and Management of water in Arab World and Africa**

## **10. PROFESSIONAL SOCIETIES**

- Very good background in computer programming as well as utilizing some standard software.
- From 1995 to 2002 beside my work in Assiut university, I worked senior engineer in the "special consultant engineering office"– Assiut – Egypt and I designed many projects about buildings, **Water Supply Eng, Sanitary and**

**Environmental Engineering**, and water constructions "bridges, barrages, culverts, syphons, Locks ....etc", advanced design for the springing and drip irrigation system .

**المشاركة في اللجان و الأنشطة المختلفة بالقسم:**

- ١ - المشاركة في الإشراف على الرحلات العلمية لطلاب الفرق المختلفة و كذلك طلاب البكالوريوس بقسم الهندسة المدنية – جامعة أسيوط.
- ٢ - المشاركة في لجان الامتحانات الفصلية بقسم الهندسة المدنية – جامعة أسيوط.
- ٣ - الأعداد و التجهيز والمشاركة في المؤتمر الدولي الأول عن اقتصاديات وإدارة المياه في الوطن العربي وأفريقيا " من 18-19 نوفمبر 2009 جامعة أسيوط

**المشاركة في اللجان و الأنشطة المختلفة بالكلية و الجامعة:**

- ١ - عضو مركز الدراسات و الاستشارات الهندسية بكلية الهندسة – جامعة أسيوط ابتداء من أول ابريل 2009 م حتى الآن.

**Dr. Eng. Khaled Ali Amen**