

Curriculum Vitae

Dr. : Tawab Edris Abdel-Baset ALY

Assistant Professor

"Civil Engr. Dept., Faculty of Engr., Assiut Univ., 71518 Assiut. Egypt"

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- ❑ **Name:** Tawab Edris Abdel-Baset ALY
 - ❑ **Gender :** Male
 - ❑ **Present Status:** Assistant Professor
 - ❑ **Nationality:** Egyptian.
 - ❑ **Date of Birth:** March 17, 1977.
 - ❑ **Place of Birth:** Qus, Kena, Egypt.
 - ❑ **Marital Status:** Married
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Scientific Transcript

- ❑ **B.Sc. "Civil Engineering"** June, 2000, from Faculty of Engineering, Assiut University, Assiut, Egypt. with accumulative average grade "Very Good with Honor's Degree" and rank "The Second" (84.62 %).
- ❑ **M.Sc. "Water Structures"** May, 2004, Assiut University, Egypt, with the title "Stability of Rigid Concrete Rafts Underneath Diversion and Head Water Structures against Vertical Uplift Forces", with grade 'Distinction degree (95.33 %).
- ❑ **Ph.D. "Water Structures"** June, 2009, "According to the Scientific Channel System between University of Assiut, (Egypt), and University of Innsbruck, (Austria) " with the title "Introducing a New Numerical Simulation for Water Tunnels", with grade 'Distinction degree (90.33 %).

Career Transcript

- ❑ **Demonstrator;** (from September, 2000 to May, 2004) at Civil Engineering Department, Faculty of Engineering, Assiut University.

- **Assistant Lecturer;** (from June, 2004 to December, 2006) at Civil Engineering Department, Faculty of Engineering, Assiut University.
- **Design Engineer;** from July 2002 till January 2005 as part-time work, at Consulting Construction office, Assiut, for design of Water Structures, Bridges, Syphons, and Coverage of Canals & Drains "more than 28 projects", besides design of building constructions and foundations.
- **Researcher;** from January, 2007 to January, 2009, at Institute of Fundamentals of Civil Engineering, Innsbruck University, Austria, for studying Ph. D., according to the scientific channel system between Austria and Egypt.
- **Assistant Professor;** from July 2009 till now at Civil Engineering Department, Faculty of Engineering, Assiut University, Egypt.
- **From July 2009 till December 2011,** Design of many water structures in Upper Egypt as follows:
 - Design of 9 R.C. bridges crossing canals and drains in Kena governorate.
 - Design of a culvert in Kena governorate.
 - Design of a syphon in Kena governorate.
 - Design of a coverage of a length, 3075 m in a branch drain in Sohage governorate.
 - Design of many building structures.
 - Participating in shop drawing and design of drainage culverts under the New Haramain High Speed Rail in Saudi Arabia.
- **Assistant Professor;** For 3 Teams, at Civil Engineering Department, Faculty of Engineering, Houn, Libya.
- **Engineering Counselor, General Project Management, and assistant professor at civil engineering department of faculty of Engineering;** from December 2011 till August 2013 at Al-Jouf University, Kingdom of Saudi Arabia.

Scientific Activities

□ **Teaching:**

Teaching the following under-graduate courses:

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| ▪ Design of Water Structures (I). | 3 rd Year Civil, Assiut Univ., Egypt |
| ▪ Design of Water Structures (II). | 4 th Year Civil, Assiut Univ., Egypt |
| ▪ Civil Engineering Drawing. | 1 st Year Civil, Assiut Univ., Egypt |
| ▪ Engineering Hydrology | 4 th Level at Houn Eng. Faculty Libya. |
| ▪ Water Engineering | 6 th Level at Houn Eng. Faculty Libya. |
| ▪ Surface Water Engineering | 8 th Level at Houn Eng. Faculty Libya. |
| ▪ Irrigation & Drainage Engineering | 8 th Level at Houn Eng. Faculty Libya. |
| ▪ Fluid Mechanics (I) | 4 th Level at Houn Eng. Faculty Libya. |

- **Fluid Mechanics (II)** 5th Level at Houn Eng. Faculty Libya.
- **Mechanical Engineering** 4th Level at Houn Eng. Faculty Libya.
- **Water treatment** 7th Level at Jouf Univ., KSA.
- **Water structures** 8th Level at Jouf Univ., KSA.
- **Properties and testing of materials** 5th Level at Jouf Univ., KSA.
- **Properties and testing of concrete** 5th Level at Jouf Univ., KSA.
- **Structural Engineering (I)** 6th Level at Jouf Univ., KSA.
- **Transportation Systems** 6th Level at Jouf Univ., KSA.
- **Hydraulic** 7th Level at Jouf Univ., KSA.
- **Planning and management of water resources** 8th Level at Jouf Univ., KSA.
- **Taking part in B. Sc. Final year Projects for design of water structures.**

□ **List of Publications:**

1). Paper: "Influence of Depths and Arrangements of Cutoffs on the Uplift Forces under the Floors of Heading-Up Structures" **First International Conference of Civil Engineering Sciences Volume 2, Assiut University, Assiut, Egypt, October 2003.**

2). Thesis: "Stability of Rigid Concrete Rafts Underneath Diversion and Head Water Structures against Vertical Uplift Forces" **M.Sc. thesis, Civil Engineering Department, Faculty of Engineering, Assiut University, Assiut, Egypt, February, 2004.**

3). Paper: "Nonlinear Numerical Simulation for Concrete Hinges of TBM Tunnels" **Second International Conference on Computational Methods in Tunnelling, Ruhr University, Bochum, Germany, Volume 1, September, 2009.**

4). Paper: "Effect of Joint Attributes on Water Tunnel Lining" **First International Conference on Economics & Management of Water in Arab World and Africa, Assiut University, Assiut, Egypt, November, 2009.**

5). Thesis: "Introducing a New Numerical Simulation for Water Tunnels" **Ph.D. thesis, Assiut University, Assiut, Egypt, June, 2009.**

□ **Cultural Seminars and Cultural Conferences:**

- **1st Egyptian-Austrian Alumni Conference "International Cooperation and Innovation" at the Austrian cultural forum, Austrian Embassy Cairo, 24-25/2/2010.**
- **Conference of "The role of youth in reform" at the Library of Alexandria, 22-24/2/2005.**

- **Preparing for the first international conference on "Economics & Management of Water in Arab World and Africa", Assiut University, Egypt, November, 2009. With the co-operation between Assiut University and Moscow State University, Russia, as a member in the organizing committee, for about one year, during the period from January 2009 till the date of the conference 18-19 November, 2009.**
- **Participating in our faculty teamwork for preparing of the department program for quality assurance and accreditation (Faculty of Engineering at Assiut University is the first faculty of engineering in Egypt obtains the accreditation and the only one till now at May 2011).**

□ **Student Activities**

- **Coordinator of Civil Engineering Department at the Second Scientific Symposium for students of the Faculty of Engineering at Assiut University (May 2010).**
- **A supervisor for 4 student research groups at the Second Scientific Symposium about the development of building systems.**

□ **Training Courses**

- 1). " University teacher Preparation Course " , Assiut University, two weeks in the period 6-17/12/2003**
- 2). " Effective Teaching " - Assiut University, in the period 18-21/12/2005**
- 3). " Modern Trends in Teaching ", Assiut University, in the period 26-28/12/2005**
- 4). " Methods of Scientific Research ", Assiut University, in the period 25-28/2/2006**
- 5). " Skills of Effective Presentation ", University of Assiut, in the period 10-12/6/2006**
- 6). " Strategic Planning ", Assiut University, in the period 21-23/3/2009**
- 7). " Research Team Management ", Assiut University, in the period 4-6/4/2009**

Honoring

- **Honoring by the President of Assiut University as one of the best two organizers in preparing for the first international conference on economics & management of water in Arab world and Africa, which had been held at Assiut University, Egypt, in November, 2009.**
- **Honoring in the Egyptian syndicate of Engineers in April 2002 as a distinguish engineer.**

- Honoring many times during the preparatory school period for researches about illiteracy and problems of our environment, and advantages & disadvantages in our town.

With my best regards

Dr. Tawab Edris Abdel-Baset ALY

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