

## Alaa Nabil El-Hazek



**Lecturer**  
(Assistant Professor),  
Water Resources Eng. and  
Hydraulics,  
Civil Engineering Dept.,  
Faculty of Engineering at  
Shoubra, Cairo,  
Benha University, Egypt

## SUMMARY

### Education

- Ph. D. Degree, Civil Engineering, 2001
- M. Sc. Degree, Civil Engineering, 1993
- B. Sc. Degree, Civil Engineering, 1984

### Experience

- Teaching different courses of water resources engineering and hydraulics, civil engineering, for both undergraduates and postgraduates, [www.bu.edu/staff/alaalhathek3](http://www.bu.edu/staff/alaalhathek3)
- Supervision of 11 Ph. D. and M. Sc. these of water resources and hydraulics
- Establishing Fluid Mechanics and Hydraulics Laboratory, KSA, 2013.
- Head of Civil Engineering Department, Lybia, 2002.

### Research

- Publishing 20 scientific papers through international peer-reviewed journals and conferences, [www.researchgate.net/profile/Alaa\\_El-Hazek](http://www.researchgate.net/profile/Alaa_El-Hazek)
- Reviewer, Journal of Water Resources and Ocean Science, Science Publishing Group, USA, [www.sciencepublishinggroup.com/j/wros](http://www.sciencepublishinggroup.com/j/wros)
- Reviewer, ASDF, UK, <https://comt.myasdf.us/user/ala/>
- Reviewing more than 20 scientific papers for publication at international scientific journals, [www.publons.com/author/1284415/dr-alaanabil-el-hazek#profile](http://www.publons.com/author/1284415/dr-alaanabil-el-hazek#profile)

## PERSONAL

**Nationality:** Egyptian  
**Date of Birth:** 16/6/1960

### Address

67 Mohamed El-Makrief St.,  
Parallel to Hassan Maamoon  
St., 6<sup>th</sup> Zone, Nasr City,  
Post Code 11371, Cairo,  
Egypt

### Mobile

+201060996993

### Email

[alaahazek@yahoo.com](mailto:alaahazek@yahoo.com)

## EMPLOYMENT

**2001 – Present**

**Lecturer (Assistant Professor),** Civil Engineering Department, Faculty of Engineering at Shoubra, Cairo, Benha University, Egypt.

**2009 – 2014**

**Assistant Professor,** Civil Engineering Department, Faculty of Engineering, Al-Baha University, KSA.

**2001 – 2003**

**Head of Civil Engineering Department and Lecturer (Assistant Professor),** High Center for Poly-Works, Tobrok, Lybia.

**1986 – 2001**

**Demonstrator and Assistant Lecturer,** Civil Engineering Department, Zagazig University, Zagazig, Egypt.

## Education

<b>2001</b>	<b>Ph. D. Degree</b>	Irrigation and Hydraulics, Civil Engineering, Faculty of Engineering, Ain Shams University, Egypt.
<b>1993</b>	<b>M. Sc. Degree</b>	Irrigation and Hydraulics, Civil Engineering, Faculty of Engineering, Ain Shams University, Egypt.
<b>1984</b>	<b>B. Sc. Degree</b>	Irrigation Engineering and Environment, Civil Engineering, Faculty of Engineering, Zagazig University, Egypt – (Very Good with Honor).

## Experience

<b>2014 – Present</b>	Teaching different courses of civil engineering for both undergraduates and postgraduates, and supervising Ph. D. and M. Sc. these of water resources engineering and hydraulics, Faculty of Engineering at Shoubra, Benha University, Egypt.
<b>2009 – 2014</b>	Establishing Fluid Mechanics and Hydraulic Laboratory, teaching different courses of civil engineering, and academic supervision of summer training and graduation projects – Faculty of Engineering, Al-Baha University, KSA.
<b>2003 – 2009</b>	Teaching different courses of civil engineering for both undergraduates and postgraduates - Faculty of Engineering at Shoubra, Benha University, Egypt.
<b>2001 – 2003</b>	Head of civil engineering department and teaching different courses of civil engineering - High Poly-technique Institution, Tobrok, Lybia.
<b>1986 – 2001</b>	Teaching different courses of civil engineering as Demonstrator and Assistant Lecturer, Faculty of Engineering at Shoubra, Benha University, Egypt.
<b>1984 – 1999</b>	Site engineer, project manager, contractor of some construction projects, establishing and managing trading projects.

## Scientific Conferences

<b>2012</b>	Conference of Water Resources and Wetlands, Tulcea, Romania.
<b>2012</b>	VII - International Conference on Environmental Hydrology with 1 <sup>st</sup> Symposium on Environmental Impacts on the Nile Water Resources, Cairo, Egypt.
<b>2009</b>	Regional Conference and the 6th International Symposium on Environmental Hydrology, Cairo, Egypt.
<b>1999</b>	Regional Conference and the 2nd International Symposium on Environmental Hydrology, Cairo, Egypt.
<b>1995</b>	Regional Conference and the International Symposium on Environmental Hydrology, Cairo, Egypt.

## Supervision of Ph. D. Theses

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|---|--|
| 1 | “Investigating the Improvement of Water Circulation and Water Quality of the Egyptian Northern Lakes, Case study Al-Manzala Lake”. |
| 2 | “Using Jets to Minimize the Passive Influence of Hydraulic Jump Downstream Hydraulic Structures”.                                  |

## Supervision of M. Sc. Theses

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|---|--|
| 1 | “Influence of Diversion Channels Curvature on Flow Characteristics”.   |
| 2 | “Groundwater Evaluation and Management for Wadi Bada, Ain Sukhna – Egypt”.   |
| 3 | “Interaction between the Nile River Morphological Changes and Navigation Channels from Assuit Barrage to Delta Barrage”. |
| 4 | “Transient Flow Simulation, Analysis and Protection for Irrigation Systems”.   |
| 5 | “Flash flood hazards and risk maps for Wadi Abou-Had Ras Ghareb”.  |
| 6 | “Best Solution for the Problem of Sedimentation at Water Intake of Nazlet Abdallah Water Station at Assuit, Egypt”.      |
| 7 | “Investigating and Analysis of the Slope Stability and Seepage Water on Earth Dams for Different Types of Soil”.         |
| 8 | “Effecting of Climate Changes on the Hydrology and Morphology of the Valleys in the Red Sea Region”.                     |
| 9 | “Surge Analysis and Protection for Water Supply Systems”.  |

## Published Papers

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|---|---|---|
| 1 | “Impact of Bed Material on the Local Scour Downstream Fayoum Type Weir with Various Designs of Floor Jets”. | Asian Journal of Engineering and Technology, Volume 08 – Issue 0, March 2020. |
| 2 | “Groundwater Evaluation and Management in Ain Sukhna, Egypt”.   | Asian Journal of Engineering and Technology, Volume 08 – Issue 0, Feb. 2020.  |
| 3 | “Influence of Using Floor Jets on the Local Scour Downstream Fayoum Type Weir”.                             | Asian Journal of Engineering and Technology, Volume 08 – Issue 0, Feb. 2020.  |
| 4 | “Numerical and Experimental Modeling of Slope Stability and Seepage Water of Earthfill Dam”.                | Journal of Water and Land Development, No. 44 (I-III), March 2020.            |

## Cont. Published Papers

5	“Excel Approach for Infiltration Capacity for Different Lands”.	Journal of Engineering Research and Reports, Volume 2, Number 4, October 2018.
6	“Hydro Pneumatic Tank Design for Surge Protection of Irrigation Pipeline Systems”.	Journal of Scientific Research & Reports, Volume 18, Number 6, April 2018.
7	“Spread Sheets for Laterals Spacing Design Application on Mit Kenana Area in Egypt”.	International Journal of Plant & Soil Science, Volume 16, Number 4, June 2017.
8	“Revision Approach for Optimum Design of Pressurized Irrigation Systems”.	Archives of Current Research International, Volume 5, Number 3, October 2016.
9	“Assessment of Different Leaching Treatments in Gated Pipe Irrigation System”.	International Journal of Plant & Soil Science, Volume 12, Number 5, September 2016.
10	“Challenges for Optimum Design of Surface Irrigation Systems”.	Journal of Scientific Research & Reports, Volume 11, Number 6, August 2016.
11	“Optimum Design of Storing Water and Predicting Storage Unit Cost in Al-Baha, KSA”.	American Journal of Environmental Engineering, USA, Volume 4, Number 5, September 2014.
12	“Optimum Water Storage in Al-Baha, Kingdom of Saudi Arabia”.	American Journal of Environmental Engineering, USA, Volume 4, Number 2, April 2014.
13	“Subsurface Drainage Impact Assessment in Ibshan, Egypt”.	Journal of Environmental Science and Engineering, USA, Volume 2, Number 9, September 2013.
14	“Cost of Dams in Al-Baha Province, Kingdom of Saudi Arabia”.	Journal of Environmental Science and Engineering, USA, Volume 2, Number 2, February 2013.
15	“Best Hydraulic Sections for Open Channels employing Spread Sheets”.	VII – Int. Conference on Enviro. Hydrology with 1 <sup>st</sup> Symposium on Enviro. Impacts on the Nile Water Resources, Cairo, Egypt.
16	“Unit Cost for Pumping Irrigation Water in Egypt”.	Conference of Water Resources and Wetlands, Tulcea, Romania.
17	“Simplified Approach for Optimization by Dynamic Programming”.	VI – Int. Conference on Enviro. Hydrology with 1 <sup>st</sup> Symposium on Coastal & Port Eng., Cairo, Egypt.
18	“Optimum Design for Water Quality in Rivers”.	VI – Int. Conference on Enviro. Hydrology with 1 <sup>st</sup> Symposium on Coastal & Port Eng., Cairo, Egypt.
19	“Linear Programming: A Tool for Management of Pollutants in Rivers”.	Regional Conference and the 2 <sup>nd</sup> Int. Symposium on Environmental Hydrology, Cairo, Egypt.
20	“Cost of Pumping Stations for Irrigation Projects in Egypt”.	Regional Conference and the International Symposium on Environ. Hydrology, Cairo, Egypt.

## Review Papers for Publishing in International Journals

1	Prediction of Infiltration Capacities by Field Measurement and Selected Empirical Models for Irrigated Agriculture	Archives of Current Research International - 9(1): 1-10
2	Pre-Extension Demonstration and Evaluation of Hip Pump in Western Oromia, Ethiopia	Asian Journal of Agricultural Extension, Economics & Sociology - 21(4): 1-5
3	Effective Rainfall Calculation Methods for Field Crops: An Overview, Analysis and New Formulation	Asian Research Journal of Agriculture - 7(1): 1-12
4	Management of Climatic Degraded Embankment of the River Nakanbé (B. F.) by Participatory Reforestation	Advances in Research – 13(1): 1-9
5	Infiltration Characteristics of Soils in Owerri, Imo State, Southeastern Nigeria under Four Selected Land Uses	Asian Soil Research Journal - 1(3): 1-8
6	Effect of Soil Texture on Soil Infiltration Rate	Archives of Current Research International - 14(3): 1-8
7	Scale to Measure Attitude of Farmers towards Recommended Water Management Technologies and Practices	Asian Journal of Agricultural Extension, Economics & Sociology - 26(1): 1-8
8	Assessment of Aquifer Vulnerability using Multi-criteria Decision Analysis around Akure Industrial Estate, Akure, Southwestern Nigeria	Journal of Engineering Research and Reports
9	Surface Runoff Estimation using SCS-CN Method in Siddheswari River Basin, Eastern India	Journal of Geography, Enviro. and Earth Science Int. - 17(2): 1-9
10	Development and Comparison of Infiltration Models and Their Field Validation	Journal of Experimental Agriculture International
11	Abnormal Pressure Detection using Integrated Approach from Wireline Logs in Oluku Field, East Niger-Delta, Nigeria	Journal of Geography, Environment and Earth Science International - 9(3): 1-11
12	Comparative Growth Performance of Timber Tree Species Cultivated under Drip Irrigation Farmlands	International Journal of Plant & Soil Science - 16(4): 1-4
13	Spatial correlation between eucalyptus DBH and particle size fractions of an Oxisol	Journal of Experi. Agriculture International – 23(4): 1-10

## Attended Courses

2019	Course on “Credit Hours Educational System”.	Benha University, Egypt.
2019	“Advanced Word Processing”.	Central Unit of IT Training, Supreme Council of Universities, Egypt.
2019	Course on “Academic Management”.	Benha University, Egypt.
2019	Course on “Strategic Planning”.	Benha University, Egypt.
2018	Course on "Managing Electronic Sites".	Benha University, Egypt.
2018	Course on "Self-Evaluation and External Revision".	Benha University, Egypt.
2000	Course on “Preparing for the Academic Professor”.	Zagazig University, Egypt.
1986	7 <sup>th</sup> International Course “Environmental Hydrology”.	UNESCO, Cairo, Egypt.

### Various Activities

<b>2019 – 2020</b>	Member, Committee of Society Service and Environmental Development, Faculty of Engineering at Shoubra, Benha University, Egypt.
<b>2014 – 2017</b>	Supervisor of Students' Families Committee, Faculty of Engineering at Shoubra, Benha University, Egypt.
<b>2013</b>	Consultant for evaluation of a research project "Evaluating and Rehabilitating an Industrial Sewage Plant at Al-Taief" - Faculty of Eng., Al-Taief University, KSA.
<b>2005 - 2009</b>	Supervisor of a Students' Family, Benha University, Egypt.