



CURRICULUM VITA

Name: *EL SAYED MOHAMED EL SHAHAT ZAKI*

Birth Date: *October 21, 1986*

Work Address: Water & Water Structures Engineering,
Department, Faculty of Engineering,
Zagazig University, Egypt.

Home Tel: Tel: +20-055 –3722403, (002) 012-29396963 and +2-01140005860

Marital Status: Married

Military Service Exempted

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Passport no.:

Current Position. Lecturer, Department of Water and Water Structures Engineering,
Faculty of Engineering, Zagazig University, Zagazig, 44519, Egypt.

Education:

1- Bachelor of Science in Civil Engineering in 2009.

Zagazig University, Egypt, May 2009.

Specializing in Civil Engineering.

General Grade "Very good with honors (82.3% average percent) ".

2- Master of Science in Civil Engineering in 2015.

Zagazig University, Egypt, January 2015.

Specializing in water and water structures.

3- Doctor of Philosophy in Civil Engineering in 2019.

Zagazig University, Egypt, August 2019.

Specializing in water and water structures

Employment Record:

- **October 2009 / March 2015:** Teaching assistant, Water and Water Structures Engineering Department, Faculty of Engineering, Zagazig University, Zagazig, Egypt.
- **March 2015 / November 2019:** Assistant Lecturer, Water and Water Structures Engineering Department, Faculty of Engineering, Zagazig University, Zagazig, Egypt.
- **November 2019 till present:** Lecturer in the Department of Water and Water Structures Engineering, Faculty of Engineering, Zagazig University, Zagazig, Egypt.

Teaching experience:

1. **Teaching and supervising the following under-graduate courses both theoretically and experimentally.**
 - Hydraulics (2019 up to now)
 - Civil Engineering drawing (2009 up to now).
 - Fluid Mechanics (2009 up to 2012).
 - Irrigation and Drainage Engineering (2009 up to 2012).
 - Design of Irrigation and Hydraulic Structures (2012 up to now).



- Design of heading up Structures (2013 up to now).
- Supervising the following qualification project**
- Design of water Hydraulic Structures (2013 up to 2015).
 - Hydraulic project (2015 up to now).
- 2. Postgraduate Courses:**
- Hydraulics, Advanced Hydraulics, Advanced fluids, and Selective courses.
- 3. Visitor:**
- Teaching different courses in the Higher Technology Institute in 10 of Ramadan.

Research interests:

Hydraulic - Water structure

Languages:

Arabic (Native language)
English (Very good command)

Computer skills:

Computer operating systems (Windows)
Analysis Programs (SAP 2000)
Drawing Programs (AutoCAD-2D)
Software Programs (Microsoft Office, Internet, CCHE-2D, FLOW-3D)

Personal skills:

Good managing and written works,
Working under pressure,
Dealing with other people kindly and patiently,
Accuracy is essential in my work.

Membership in scientific and syndicate organizations:

Member of Egyptian Engineering Syndicate since 2009.
Member of the teaching staff of Faculty of Engineering, Zagazig University,
Zagazig, Egypt, since 2009.

Awards:

Award of excellence from Faculty of Engineering, Zagazig University as one
of the top five graduates in Civil Engineering, 2009.
Award of excellence from Faculty of Engineering, Zagazig University for
awarded Master of Science in Water Engineering, 2015.

Publications

1. Saleh, Osama K., Ahmed M. Moussa, and M. El-Sayed. "USING CCHE2D MODEL FOR PREDICTION OF RIVER NILE HORIZONTAL VELOCITY DISTRIBUTION AND BED MORPHOLOGY." The Egyptian International Journal of Engineering Sciences & Technology 17.4 (2014).



2. Abdel Aal, G. M., A. A. Elsaïad, E. A. Elnikhely, and E. M. Zaki. "MINIMIZING OF SCOUR DOWNSTREAM THE OUTLETS OF THE BOX CULVERT." International Journal of Civil Engineering and Technology, Volume 10, Issue 04, April 2019, pp. 2006-2022.
3. Abdel Aal, G. M., A. A. Elsaïad, E. A. Elnikhely, and E. M. Zaki. "Reducing the Local Scour Depth at the Culvert Outlets." International Journal of Engineering Science and Computing, Volume 9, Issue 5, May (2019), pp. 22540-22547.
4. Elshahat, E., & Elnikhely, E. (2022). Influence of the Shape and Properties of the Bridge Pier's Nose on Scour Depth. The Egyptian International Journal of Engineering Sciences and Technology. Volume 42, Issue 1, pp 15-22.
5. Elshahat, E. M., & Awaad, A. S. (2023). Investigation of using sill under gate as a scour countermeasure downstream of a sluice gate. The Egyptian International Journal of Engineering Sciences and Technology. Volume 43, Issue 1, pp74-80.
6. Elshahat E., AbdelAal G., Hassan S., and Eltohamy E. (2023). Effect of Perforated Sills on Maximum Scour Depth Downstream From a Sluice Gate. Open Civ. Eng. J., vol. 17.
7. Elshahat E., AbdelAal G., Hassan S., and Eltohamy E. (2023). Effect of Perforated Inclination and Height of Sill on Maximum Scour Depth and Energy Losses Downstream a Sluice Gate The Egyptian International Journal of Engineering Sciences and Technology.
8. Elsayed M. Elshahat, Gamal M. AbdelAal, Atef A. EL-Saiad & Rana F. Tantawy (2024) Reducing the maximum scour depth downstream of the sluice gate using a combination of two buried plates with a sill, ISH Journal of Hydraulic Engineering, DOI: 10.1080/09715010.2024.2304034

Contact Persons

Professor Dr. Gamal Mohammed Mostafa

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Arabic Republic of Egypt
ZAGAZIG UNIVERSITY
FACULTY OF ENGINEERING

Post Graduate Affairs

CERTIFICATE



This to certify that Mr **ELSAYED MOHAMED ELSHAHAT ZAKI RAMADAN ALIA**

Nationality **EGYPTIAN** Born in **EL SHARKIA** On **21/10/1986**

Has obtained Degree **Doctor of Philosophy Degree (Ph.D.) from the department of: WATER AND WATER STRUCTURES ENGINEERING**

The Thesis Title is **"ANALYSIS AND PREDICTION OF LOCAL SCOUR CHARACTERISTICS AT CULVERT OUTLETS"**

That was approved by the Faculty Council on **15/9/2019**

and the University Council on **8/10/2019**

Post Graduate Affairs

Loubna

Registrar

Loubna

Dean

hesh



Issued on **9/10/2019**





ARAB REPUBLIC OF EGYPT

ZAGAZIG UNIVERSITY
FACULTY OF ENGINEERING

CERTIFICATE

The Faculty of Engineering, Zagazig University, hereby certifies that Mr. / **ELSAYED MOHAMED EL SHAHAT ZAKI RAMADAN**, Nationality: Egyptian, National ID no.: 28610211301117, born in : Sanhout, Menia Elkamh, Sharkia, on : October 21st, 1986, **WAS AWARDED THE ACADEMIC DEGREE: "BACHELOR OF CIVIL ENGINEERING "**, with General Grade: "V. Good with Honor", Aggregate Mark: 6165 out of 7500, Percentage: 82.20%, May Session 2009. The Faculty Board and the University Senate consecutively approved the result of his examination on: 22.07.2009 and 24.08.2009.

Official in Charge

Head of Alumni Dept.

Director of Students' Affairs

DEAN

Said
17.2.2013

Almed

Prof. Dr.

issued on: 13.01.2013 .

ZAGAZIG UNIVERSITY
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MANAGERIAL DIRECTOR

GENERAL DIRECTOR

ESSAM MARAD

TRANSLATED BY

Mohamed Elsayed
14.1.2013
(ESHAHAT HUSSEN)

