CURRICULUM VITAE

Mahmoud Mohamed Mostafa Ali, July 2026

Personal Data:

Last Name: Ali

First Name: Mahmoud Mohamed Mostafa

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Marital Status: Married

Date of Birth: 1/4/1991

Gender: Male

Country of Origin: Egypt

Present Nationality: Egyptian

Languages and Fluency Level: Arabic (Native), English (Very Good)

Education:

Ph.D. Thesis Title: Systematic analysis and optimization of seepage in zoned earth dams, Hydraulic Structure Engineering, Hohai University, China, March 2026.

M.Sc. Thesis Title: An investigation concerning the effect of canal width contraction may be needed in the location of constructing some irrigation works, Irrigation Engineering and Water Structures, Assiut University, Egypt, January 2018.

B.Sc. Civil Engineering, Faculty of Engineering, Assiut University (2013), Distinction with honor "86.91%", and Distinction in the graduation project (Reinforced Concrete).

Work History:

1) Demonstrator, Civil Eng. Dep., Assiut University, from December 2014 to February 2018.
2) Assistant Lecturer, Civil Eng. Dep., Assiut University, from February 2018 to May 2026.
3) Lecturer, Civil Eng. Dep., Assiut University, from May 2026 till now.

Publications:

1. Ashour, M. A., Aly, T. E., Mostafa, M. M. (2016). An investigation concerning the effect of canal width contraction that may be needed in the location of constructing some irrigation works. Annals of Valahia University of Targoviste. Geographical Series, 16(2): 5-12.

2. Ashour, M. A., Aly, T. E., Mostafa, M. M. (2018). Effect of canal width contraction on the hydraulic parameters and scour downstream water structures. Limnological Review, 18(3): 93-101.
3. Ashour, M. A., Aly, T. E., Mostafa, M. M. (2019). Effect of canal width contraction on the hydraulic parameters and scour downstream water structures. Ain Shams Engineering Journal, 10(1): 203-209.
4. Mostafa, M. M., Shen, Z. (2021). A review on analysis of seepage in zoned earth dams. 2nd International Conference on Civil Engineering: Recent Applications and Future Challenges, Hurghada, Egypt, 2(1): 137-146.
5. Mostafa, M. M., Shen, Z. (2023). Effect of zones' dimensions and geometry on seepage through zoned earth dams. Journal of Engineering and Applied Science, 70(1): 1-24.
6. Mostafa, M. M., Shen, Z. (2023). Numerical study concerning the different drainage systems in earth dams. Journal of Hydraulic Structures, 9(2): 101-117.
7. Mostafa, M. M., Shen, Z. (2024). Seepage behaviour through earth dams with zones of different filling materials. Water SA, 50(1): 106-120.
8. Mostafa, M. M., Shen, Z. (2026). Sensitivity analysis of hydraulic and geometric characteristics on seepage through zoned earth dams. Aswan University Journal of Sciences and Technology, 6(1): 17-31.

Teaching and Activities:

Courses:

1. Civil Drawing.
2. Irrigation and Drainage Engineering.
3. Design of Irrigation Works.
4. Harbor Engineering and Internal Navigation.

Students Projects:

1. Irrigation and Drainage Project (Canals and Drains Networks Alignment and Design).
2. Design of Irrigation Works Project (Design of Movable Lock).

Computer Skills:

1. Microsoft Office (Word, Excel, Power Point,..etc.), ICDL.
2. AutoCad.
3. Structure Analysis (SAP 2000, Etabs).

4. Surfer.
5. SPSS.
6. Ansys Fluent.
7. Hec-Ras.
8. Abaqus.
9. Geostudio (SEEP/W).
10. Groundwater Modeling System (SEEP2D).

Engineering Experience & Technical Reports

- Member of the Advisory Committee at the Faculty of Engineering assigned to follow up all activities related to the cooperation protocol between the Ministry of Water Resources and Irrigation and Assiut University (September 2020 – November 2022).
- Supervision of rehabilitation and lining works for the following canals in Assiut Governorate:

1. Bani Ghalib Canal (West of the Nile).
2. Genabia Baqour II Canal (West of the Nile).
3. Abnoub Branch Canal (East of the Nile).
4. Shaqlqeel Canal (East of the Nile).
5. Al-Majrour Al-Assiuty Canal (East of the Nile).
6. Al-Sheikh Sweif Canal (East of the Nile).
7. Bani Ghalib Canal – Branch (1), (2), and (3) (West of the Nile).
8. Abdelrasoul Branch Canal (West of the Nile).
9. Makawy Branch Canal (West of the Nile).
10. Al-Sont Canal and its branches (East of the Nile).

- Technical study on the feasibility of covering a section of El-Sahelia Canal in Dairut City, Assiut Governorate.
- Technical study on the challenges facing the rehabilitation of Bani Ghalib Canal (West Assiut).
- Technical study on the challenges facing the rehabilitation of Al-Moheet Canal (West Assiut).
- Technical study on the hydraulic stability and safety of Al-Manestrly Canal cross-section – West Minya Irrigation Directorate.
- Technical study on the rehabilitation of El-Khofoog Canal – West Minya Irrigation Directorate.
- Hydraulic study for the replacement and renovation of Nagaa Al-Sheikh Mohamed Bridge – Sohag Governorate.
- Technical study on the feasibility of modifying the toe geometry of two dams as part of the Assiut Valley flood protection project.