



PERSONAL DATA:

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- **Marital Status:** Married
- **Date of Birth:** 1/Jan. /1988
- **Gender:** Male
- **Country of Origin:** Egypt
- **Present Nationality:** Egyptian
- **Languages and Fluency Level:** Arabic (native), English (Very Good)
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EDUCATION:

- **PhD.** Thesis Title “A Research Study on the Returns of the National Project of Rehabilitation and Lining the Irrigation Canals in Upper Egypt Case Study: El-Sont Canal and its Branches in Assiut Governorate” Civil Engineering, Assiut University, Egypt, 12/2022.
- **M.Sc.** Thesis Title “Impact of The Headwall Inclination Over the Entrance of Under Desert Roads Culvert's Discharge Efficiency” Civil Engineering, Assiut University, Egypt, 4/2016.
- **B.Sc.** Civil Engineering, Faculty of Engineering, Assiut University (2010), Distinction with honor “87.17%” which is equivalent to 3.3 GPA scale, and Distinction in my graduate project (Design of Water Constructions).

WORK HISTORY (University):

- Assistant professor, Civil Eng. Dep. Assiut University 1/2023, till now.
- Assistant professor, Civil Eng. Dep. Sphinx University 9/2023- 2/2024 (partial time).
- Assistant professor, Civil Eng. Dep. Higher Institute of Engineering and Technology in New Minya 2/2023- till now. (partial time).
- Teaching Assistant, Civil Eng. Dep. Assiut University 4/2016 till 12/2022.
- Demonstrator, Civil Eng. Dep. Assiut University 3/2011 to 3/2016.
- Member of the Scientific Laboratories and Laboratories Committee at the Faculty of Engineering in Assiut.
- Member of the Organizing Committee of the 2nd Conference of the Department of Civil Engineering, Faculty of Engineering - Assiut University (ICCE2021), from October 30 to November 2, Hurghada, 2021.
- Member of the Organizing Committee of the 3rd Conference of the Department of Civil Engineering at the Faculty of Engineering - Assiut University (ICCE2023) in the period from October 24-27 in Hurghada 2023.

- Member of the Organizing Committee of the 4th Conference of the Department of Civil Engineering at the Faculty of Engineering - Assiut University (ICCE2025) in the period from October 30-27 in Hurghada 2025.
- Coordinator of the Faculty of Engineering, Assiut University, at the National Bank for Laboratories and Scientific Equipment, Supreme Council of Universities 1/2023.
- Member of the Control Committee of the Department of Decoration at the Faculty of Fine Arts - Assiut University for the academic year 2022/2023.
- Member of the Preparatory year control Committee at the Faculty of Engineering - Assiut University for the academic year 2023/2024 -2024/2025 -2025/2026.
- Member of the control Committee of the department of Construction Engineering and Project Management at the Faculty of Engineering - Assiut University for the academic year 2023/2024 -2024/2025 -2025/2026.
- Member of the control Committee of the department of Construction Engineering and Project Management at the Faculty of Engineering - Assiut National University for the academic year 2023/2024 -2024/2025 -2025/2026.

PRACTICAL EXPERIENCES AND CONSULTING STUDIES:

- Design and preparing the terms and technical specifications for tender of the mechanical works and irrigation network works for the second part of the job of plant cultivation project on tertiary treated wastewater for fuel oil extraction (final stage – 1000 fedans) in the Red Sea Governorate- Upper Egypt Development Authority. **2026-2025.**
- Preparing the terms and technical specifications for the irrigation network improvement works at the general site of Assiut National University - Irrigation Network Works. **2026**
- Design and preparation of a cost estimate for sanitary works and drinking water supply for the project to construct buildings for the State Cases Advisors Club in Sohag, models (1, 2 and 3). **2026.**
- Design and preparing a cost estimate for tender of the irrigation network works related to the opening of the Kindergarten College building at Assiut University in New Assiut City. **2026.**
- Design and preparation of the development and efficiency improvement works for the Arment Island Marina, Arment– Luxor Governorate – Owner: Central Agency for Reconstruction – Red Sea Reconstruction Projects. **2026**
- Design of a drainage project for leaking water around the foundations of Badya City compound - Residential Building Construction Project (Area 6 - Group 6-A7) Badya Residential Compound - 6th of October City - Giza Governorate. **2025**
- Design and preparation of utilities works for the Eliet Compound project - sewage networks, technical specifications, and bills of quantities - Nasser City (Al-Hadaba) – Assiut **2025** .
- Investigations and Recommendations Concerning Water leakage into Sub-surface layers of Assiut Cement Factory (Cemex), July-2023.
- June 2020 - Present: Member of the Consulting Committee of the Center for Engineering Studies and Consultations - Faculty of Engineering - Assiut University
- Periodic supervision of the national project for the rehabilitation and lining of irrigation canals in Assiut as part of the work of concluding the agreement between the Faculty of Engineering and the Ministry of Water Resources and Irrigation through the cooperation protocol signed between the two sides.

- Member of the Engineering Committee formed by the Faculty of Engineering, the Ministry of Water Resources and Irrigation, and the Assiut Governorate to conduct the study of the environmental area of the area between the reservoir and the 25th of January Bridge in Assiut Governorate, under the umbrella of "Your Life Matters to Us."
- Preparing a study, redesign, and technical evaluation of the network of Al-Sunnut Canal and its branches in Assiut Governorate (45 distribution canals and 13 subsidiary canals) within the engineering scope of Selim Coast Irrigation and Abnoub Irrigation - General Administration of Assiut Irrigation.
- Preparing a study and advisory report on the stability and safety of the water sector of the Manasterly Canal, West Minya Irrigation Engineering - Minya Governorate, and proposing and designing the alternative sector in case of insecurity, along with making the necessary hydraulic studies.
- Redesigning the Bani Ghalib Canal Sector (Branch 2) of the General Administration for the Maintenance of Reservoirs and Grand Barrages for Irrigation of Assiut to overcome the problem of water infiltration and the presence of lining collapses.
- Preparing the final validity report and periodic supervision reports for the process of rehabilitating the Abnoub branch canal in the Abnoub Irrigation Engineering Department affiliated to the General Administration of Assiut Irrigation.
- Preparing the final validity report and periodic supervision reports for the Shaqalqil Canal rehabilitation process at the Abnoub Irrigation Engineering Department affiliated to the General Administration of Assiut Irrigation.
- Preparing a technical report on the possibility of covering a 300-meter section of the coastal canal in Dayrut - Assiut Governorate.
- Preparing a technical report on the rehabilitation of the Ismail Branch Canal in West Tarfa Irrigation Engineering - West Samalout - Minya Governorate.
- Preparing the final validity report and periodic supervision reports for the rehabilitation of the 1.34 km long Makkawi branch canal of the General Administration for the Maintenance of Reservoirs and Grand Barrages of Assiut Irrigation.
- Preparing the final validity report and periodic supervision reports for the rehabilitation of Bani Ghalib Canal, Branch (3), with a length of 1.44 km, affiliated to the General Administration for the Maintenance of Reservoirs and Grand Barrages of Assiut Irrigation.
- Preparing the final validity report and periodic supervision reports for the rehabilitation of Bani Ghalib Canal, Branch (2), with a length of 1.99 km, affiliated to the General Administration for the Maintenance of Reservoirs and Grand Barrages of Assiut Irrigation.
- Preparing the final validity report and periodic supervision reports for the rehabilitation of Bani Ghalib Canal, Branch (1), with a length of 1.21 km, affiliated to the General Administration for the Maintenance of Reservoirs and Grand Barrages of Assiut Irrigation.
- Preparing the final validity report and periodic supervision reports for the rehabilitation of the 1.7 km long Abd al-Rasoul branch canal of the General Administration for the Maintenance of Reservoirs and Grand Barrages of Assiut Irrigation.
- Preparing the final validity report and periodic supervision reports for the rehabilitation process of (6) canals (Banub - Al-Basiouni - Awaja - Al-Muhit - Bani Ghaleb - Janabiya Baqour Al-Thaniya) affiliated to the Horizontal Expansion Sector and Irrigation Projects Management in Assiut.

- Preparing the final validity report and periodic supervision reports for the rehabilitation of the 10.45-km-long Al-Majrouh Al-Assiut canal and the 5.3-km-long Sheikh Suf canal of the General Administration for the Maintenance of Reservoirs and Grand Barrages of Assiut Irrigation.
- Preparing a technical report on the construction study for the implementation of government watering sectors No. 5, 6 and 7 (rectangular sector, model 2, item 2) taken from Al-Masara Canal in Assiut Governorate, affiliated to the Horizontal Expansion Sector and Irrigation Projects Management in Assiut. Proposing and designing the alternative sector in case of insecurity, with the necessary hydraulic studies.

TEACHING COURSES:

➤ **Undergraduate**

- Open channels hydraulics
- Fluid dynamics and pipe flow hydraulics.
- Irrigation works design (Bridges, Culverts, Syphons, Aqueducts, Earthen Dams, Regulators, Weirs.....).
- Modern Irrigation systems and design of irrigation canals networks.
- Water Supply Engineering.
- Civil Drawings.
- Civil Drawings and Computer Applications
- Sanitary and plumbing installations in buildings.
- Sanitation and environmental Engineering.
- Inland Navigation and Harbor Engineering
- Concrete technology and Quality control.
- Fundamentals of project management.
- Fundamentals of scientific Research.
- Risk management.
- Irrigation and Drainage Engineering.

➤ **Postgraduate**

- Advanced Hydraulics.
- Ground water.
- Hydraulics Modeling
- Inland Navigation and Harbor Engineering
- Precision Hydraulic Measurement Technology
- Environmental Assessment of Water Projects

PUBLICATIONS:

- [1] Ashour, M. A., Abu-zaid, T. S., Sayed, M. A., & **Abdou, A. A.** (2026). Effect of canal bed slope on the working efficiency of water energy dissipaters downstream control structures. *Journal of King Saud University–Engineering Sciences*, 38(3), 23. <https://doi.org/10.1007/s44444-025-00084-w>
- [2] Ashour, M. A., Abu-Zaid, T. S., Ali, M. K., Abueleyon, H. M., & **Abdou, A. A.** (2026). Impact of the Combined Performance of Canal Inside Slope and Wing Wall Geometry on Scour Behavior: Towards Sustainable Water Structure Design. *Sustainability*, 18(10), 4902. <https://doi.org/10.3390/su18104902>
- [3] Ashour, M. A., Abueleyon, H. M., Ali, M. K., **Abdou, A. A.**, & Abu-Zaid, T. S. (2026). Interactive effects of wing wall configuration and canal inside slope on hydraulic performance of water structures. *Applied Water Science*. <https://doi.org/10.1007/s13201-026-02826-w>

- [4] Ashour, M. A., Mohamed, H. I., **Abdou, A. A.**, & Abu-Zaid, T. S. (2025). Economic viability of irrigation canal lining in Upper Egypt: a benefit-cost analysis for sustainable water management. *AQUA—Water Infrastructure, Ecosystems and Society*, 74(11), 733-761.
- [5] Ashour, M. A., Mohamed, H. I., **Abdou, A. A.**, & Abu-Zaid, T. S. (2024). New approach for the rehabilitation of irrigation canals based on implementation priority. *Ain Shams Engineering Journal*, 102831.. <https://doi.org/10.1016/j.asej.2024.102831>
- [6] Ashour, M. A., El Degwee, Y. A., Hashem, R. H., **Abdou, A. A.**, & Abu-Zaid, T. S. (2024). The Extent to Which the Available Water Resources in Upper Egypt Can Be Affected by Climate Change. *Limnological Review*, 24(2), 164-177. <https://doi.org/10.3390/limnolrev24020009>
- [7] Ashour, M. A., Abueleyon, H. M., Khairy Ali, M., **Abdou, A. A.**, & Abu-Zaid, T. S. (2024). Numerical Simulation for the Desired Compatibility between the Inside Slopes of Open Irrigation Canals, and the Used Type of Wing Walls for the Most Efficient Performance of Water Structures. *Limnological Review*, 24(3), 192-204. <https://doi.org/10.3390/limnolrev24030011>
- [8] Ashour, M. A., Aly, T. E., Abu-Zaid, T. S., & **Abdou, A. A.** (2023). A comparative technical study for estimating seeped water from irrigation canals in the Middle Egypt (Case study: El-Sont branch canal network). *Ain Shams Engineering Journal*, 14(3), 101875. <https://doi.org/10.1016/j.asej.2022.101875>
- [9] Ashour, M., Sayed, T., & **Abdallah A.A.** (2021). Water-Saving from rehabilitation of irrigation canals case study: el-Sont Canal, Assiut governorate. *Aswan University Journal of Environmental Studies*, 2(3), 190-201. <https://dx.doi.org/10.21608/aujes.2021.89249.1034>
- [10] Mohamed A. Ashour, Tawab E. Aly, Tarek S. Abu-Zaid, **AbdAllah A. Abdo** “Comparative Technical Study for Estimating Seeped Water from Irrigation Canals In Middle Egypt” 2nd International Conference on Civil Engineering: Recent Applications and Future Challenges; ICCE2021; 30 Oct- 2 Nov, Hurghada, Egypt. (2021).
- [11] ASHOUR, M. A., ALY, T. E., & **Abdou, A. A.** (2014, SEPTEMBER). INCLINED HEADWALL IS AN EFFICIENT TOOL FOR MAXIMIZING THE DISCHARGE EFFICIENCY THROUGH CULVERTS. IN PROCEEDINGS OF THE 3RD INTERNATIONAL CONFERENCE—WATER RESOURCES AND WETLANDS, TULCEA, ROMANIA (PP. 9-13). <http://www.limnology.ro/wrw2016/proceedings.html>.
- [12] Ashour, M. A., **Abdallah A.A.**, Aly, T. E., & El-Attar, S. E. (2015). Increasing the Efficiency of Under Road Culverts in Protecting the Desert Roads Against Torrents & Flash Water. *International Journal of Scientific Research and Innovative Technology*, 2(4).

COMPUTER SKILLS:

- MICROSOFT OFFICE (Word, Excel, Power Point,.... etc.), “ICDL”.
- AUTOCAD any version..
- Structur Analysis Software (SAP 2000, ETABES, SAFE).
- WATER CAD. and Sewer Gems Programs.
- ANSYS FLUENT Flow Modeling.
- EbaNet Flow Modeling program for modeling water flowing through pipe systems.
- HEC-RAS computer program for modeling water flowing through systems of open channels.

FACULTY AND LEADERSHIP DEVELOPMENT TRAINING PROGRAMS:

- University teacher preparation course.
- Effective management of time and work stress.
- Quality standards in teaching.
- Analytical and creative thinking in teaching.
- Using technology in teaching.
- Scientific publishing.
- Strategic planning.
- Publishing research in international journals.
- Organizing scientific conferences.
- Preparing a proposal for a competitive research proposal.
- Research ethics.
- Crisis Management.
- Technical aspects of conducting and implementing scientific research.
- University administration.
- Effective presenting.
- Profession behaviour.