


Contact Information				
	<b>Name</b>	Mohamed Kamel Abdelhamid Elshaarawy		
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	<b>Orcid</b>	<a href="https://orcid.org/0000-0002-1793-5617">https://orcid.org/0000-0002-1793-5617</a>		
	<b>Google Scholar</b>	<a href="https://scholar.google.com/citations?view_op=list_works&amp;hl=en&amp;hl=en&amp;user=ovYdeAgAAAAJ">https://scholar.google.com/citations?view_op=list_works&amp;hl=en&amp;hl=en&amp;user=ovYdeAgAAAAJ</a>		
	<b>ResearchGate</b>	<a href="https://www.researchgate.net/profile/Mohamed-Elshaarawy">https://www.researchgate.net/profile/Mohamed-Elshaarawy</a>		
	<b>Web of Science</b>	<a href="https://www.webofscience.com/wos/author/record/JQW-2973-2023">https://www.webofscience.com/wos/author/record/JQW-2973-2023</a>		
	<b>Semantic Scholar</b>	<a href="https://www.semanticscholar.org/author/Mohamed-Kamel-Elshaarawy/2237034583">https://www.semanticscholar.org/author/Mohamed-Kamel-Elshaarawy/2237034583</a>		
	<b>Loop</b>	<a href="http://loop.frontiersin.org/people/2421842/overview?referrer=orcid_profile">http://loop.frontiersin.org/people/2421842/overview?referrer=orcid_profile</a>		
	<b>Scopus</b>	<a href="http://www.scopus.com/inward/authorDetails.url?authorID=58557199500&amp;partnerID=MN8TOARS">http://www.scopus.com/inward/authorDetails.url?authorID=58557199500&amp;partnerID=MN8TOARS</a>		
Education / Academic Qualifications				
From	To	University	Specialization	Degree
Aug 2019	Present	Port Said University	Civil Engineering (Irrigation and Hydraulics Engineering)	Master of Science (M.Sc.)
Sep 2013	Jul 2018	Port Said University	Civil Engineering	Bachelor of Science (B.Sc.)
Academic Employment History				
From	To	Faculty / University	Title of Position	
Oct 2020	Present	Faculty of Engineering, Horus University-Egypt	Demonstrator	
Sep 2018	Jan 2019	Faculty of Engineering, Damietta University	Demonstrator	
Membership Positions (Faculty of Engineering, Horus University-Egypt)				
From	To	Committee Name		
Jan 2024	Present	Preparation of Final Files for Simulation Review and Grant Review for ISO Certification		
Oct 2023	Present	Leadership and Governance (Quality Standard)		

*I do hereby declare that the information furnished above is true to the best of my knowledge.*

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Aug 2023	Present	Tables Committee (All Departments)
Apr 2023	Present	International Organization for Standardization (ISO) Executive Committee
Jul 2023	Aug 2023	Documenting Graduation Projects Committee
Aug 2022	Sep 2022	Reviewing the Faculty Online Platform Committee
May 2022	Sep 2022	Preparing Bachelor of Engineering Degree File Committee
Apr 2022	Sep 2022	Study Program Amendment Committee
Apr 2022	Jun 2022	Preparing the Engineering Education Committee of the Federation of Arab Engineers Visit for Evaluating Academic Programs Committee
Nov 2021	Jan 2023	Final Exams Tables Committee
Nov 2020	Aug 2023	Tables Committee (Civil Engineering Program)

### Teaching Experience

- **Bachelor's degree, Faculty of Engineering, Damietta University.**
  1. Engineering Drawing (Preparatory)
- **Bachelor's degree for Civil Engineering, Faculty of Engineering, Horus University-Egypt.**
  2. Hydraulics 1 (Level 1)
  3. Hydrology (Level 1)
  4. Engineering Surveying (Level 1)
  5. Environmental Engineering (Level 2)
  6. Irrigation and Drainage Engineering (Level 2)
  7. Hydraulics 2 (Level 3)
  8. Design of Irrigation Structures (Level 3)
- **Bachelor's degree for Architecture Engineering, Faculty of Engineering, Horus University-Egypt.**
  9. Engineering Surveying for Architect (Level 1)
  10. Reinforced Concrete and Foundation (Level 2)

### Publications

- **Research articles**
  1. Eltarabily, M.G., **Elshaarawy, M.K.**, Elkiki, M. & Selim, T. (2023) Computational fluid dynamics and artificial neural networks for modelling lined irrigation canals with low-density

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polyethylene and cement concrete liners. Irrigation and Drainage, 1–18. Available from:  
<https://doi.org/10.1002/ird.2911>

2. **Mohamed Kamel Elshaarawy** & Abdelrahman Kamal Hamed (2024) Predicting discharge coefficient of triangular side orifice using ANN and GEP models, Water Science, 38:1, 1-20, DOI: 10.1080/23570008.2023.2290301
3. Eltarabily MG, Abd-Elhamid HF, Zeleňáková M, **Elshaarawy MK**, Elkiki M and Selim T (2023) Predicting seepage losses from lined irrigation canals using machine learning models. Front. Water 5:1287357. doi: 10.3389/frwa.2023.1287357
4. **Elshaarawy, M.**, Hamed, A. K., & Hamed, S. (2023). Regression-Based Models for Predicting Discharge Coefficient of Triangular Side Orifice. Journal of Engineering Research, 7(5), 224-231. doi: 10.21608/erjeng.2023.244750.1292
5. Mohamed Galal Eltarabily, **Mohamed Kamel Elshaarawy**, Mohamed Elkiki & Tarek Selim (2023) Modeling surface water and groundwater interactions for seepage losses estimation from unlined and lined canals, Water Science, 37:1, 315-328, DOI: 10.1080/23570008.2023.2248734

#### ▪ **Book Chapters**

1. Eltarabily, Mohamed Galal, and **Mohamed Kamel Elshaarawy**. "Risk Assessment of Potential Groundwater Contamination by Agricultural Drainage Water in the Central Valley Watershed, California, USA." 2023.

#### Other Relevant Experience

- **Participating with a research article in Applied Innovative Research in Engineering Grand Challenges (AIRGEC) Conference, (AIRGEC 2023), Faculty of Engineering, Horus University, New Damietta, Egypt, 25-26 October 2023.**

**Article title:** "Regression-Based Models for Predicting Discharge Coefficient of Triangular Side Orifice".

- **Registering for the degree of Master of Science in Civil Engineering, Faculty of Engineering, Port Said University (2021).**

**Thesis title:** "Hydraulic comparison of different types of lining for irrigation canals using computational fluid dynamic models"

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