Curriculum Vitae
Mohamed Khairy Ali Mohamed

Personal Data:

First Name: Mohamed Khairy Ali Mohamed
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  https://www.researchgate.net/profile/Mohamed-Khairy-3
Marital Status: Married
Date of Birth: 12/5/1990   \   *Gender*: Male
Country of Origin: Egypt   \   *Present Nationality*: Egyptian
Languages: Arabic (Native), English

Education:

M.Sc. Thesis Title "*Improving the Water Energy Dissipation and Flow Aeration through some Geometrical Treatments of Spillways Back*", Civil Engineering, Assiut University, Egypt, 9/2020.
B.Sc. Civil Engineering, Faculty of Engineering, Assiut University (2014), Distinction with honor and Distinction in the graduation project (Special Structures).

Academic Positions

1) Assistant Lecturer, Civil Engineering Department, Assiut University, Eygpt (11/2020 till now).
2) Demonstrator, Civil Engineering Department, Assiut University, Eygpt (7/2016 to 11/2020).

Work Experience:

I am interested in studying the **hydraulics of water structures** in waterways and the **safety of water structures** against different damages such as seepage, cavitation, scour, overturning, sliding, and dissipated kinetic energy downstream these structures.

My master's study was concerned with the safety of spillways against kinetic energy. The study produced the optimum dimensions of spillways such as angle of the back surface, number of steps, and some modification in steps geometry which dissipated the maximum energy and protecting its safety. On another hand, these optimum dimensions improve the water quality by generating huge aeration at the flow which increases the dissolved oxygen content in water.

Publications:

- Ashour, Mohamed A., Tawab E. Aly, and Mohamed K. Ali, " *An Investigation Concerning the Water Energy Dissipation and Flow Aeration over Stepped Spillways*", Twenty-Second International Water Technology Conference, IWTC22.

Software Skills:

1. Microsoft Office (Word, Excel, PowerPoint,…. etc.), ICDL.
2. AutoCAD Software.
3. Structure Analysis Software (SAP, Etabs, Safe).
4. Surfer Program.
5. SketchUp Program.
6. Abaqus CFD (beginner).