

Hadir AbdElMoneim Bassouni Moustafa

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Civil Engineer



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EDUCATION

- **Working in Master of Science**, Faculty of Engineering, Hydraulic and Irrigation Department, Alexandria University, Egypt.
- **Master Science Courses GPA:** (A⁻).
- **Master of Engineering**, Faculty of Engineering, Hydraulic and Irrigation Department, Alexandria University, Egypt, April 2018.
- **Master Eng. GPA:** (A⁻).
- **Diploma in Water Resources** Faculty of Engineering, Hydraulic and Irrigation Department, Alexandria University, Egypt, 2015.
- **Diploma GPA:** (A⁻).
- **Diploma Project:** Water resources in some Arab countries in light of contemporary water challenges.
- **Diploma Project GPA:** (A)
- **B.Sc.** Civil Engineering, Alexandria University, 2013.
- **Graduation Project:** Reduce the risk of flooding and how to use them
- **Graduation Project Grade:** Excellent.
- **High School:** Saint Joseph, 2008.

PERS. INFOR.

Date of Birth: 01/01/1992.

Nationality: Egyptian.

KEY QUALIFICATIONS

Good experience in Hydrology (Hydrological Models Application), and Design of Irrigation Structures.

SKILLS

Personal Skills

- Teamwork spirit and cooperation.
- Hard worker under stress.
- Good Communication Skills.

- Self-motivated.
- Good Communication, Presentation, and Leadership skills.
- Self-Planning and Time Management.
- Ability to face & solve problems.

Computer Skills

- Language programming such as Fortran and MATLAB.
- User of WMS model in hydrologic modeling.
- Professional of ArcGIS v10 software and its different applications.
- Expert of Google Earth (Pro.6).
- User of Global Mapper Program.
- Professional in dealing with internet, search engines and browse through the web.
- AutoCAD.
- Familiar with Surfer program.
- Familiar with Water CAD program.
- Microsoft office software (Excel, word, power point).
- Professional in dealing with Computer Software & Hardware.

Language Skills

- Native language Arabic.
- Very Good command of both written and spoken English.
- Very Good command of both written and spoken French.

Courses

- Engineering Hydrology.
- Hydraulic, Hydrological and environmental measurements.
- Design of Small Dams.
- Planning and establishment of irrigation and drainage projects.
- Agricultural Needs of Water and Water Budget in Egypt.
- Applied Hydraulics.
- Analysis of water source systems
- Pollution of water sources
- Computer Applications in Water Resources Study
- Environmental impact of irrigation and drainage projects.
- Design and Construction of Canal Lining.
- Canal Falls Structures.
- Shore Engineering and Protection.

- Design and Execution of Agricultural Drainage Networks.
- Water Hammer (WH) in Pipelines and Protection Methods.
- Hydrological and Hydraulic Study of the River Nile.
- Stability of Canals and Drains Embankments.
- Flash Flood Hydrology and Protection Methods.
- Improvement of Irrigation Water Control and Management Systems.
- Hydraulics of Wells.
- Fluid Mechanics.
- Computational Hydraulics.
- Unsteady Flow in the open channel.
- Remote Sensing.
- Local scour for different Hydraulic Structures.
- Hydrology of water basins for rivers.
- Statistical Analysis in Water Resources Engineering.
- Finite element Method in Fluid Flow.
- River Engineering and Sediment Transport Course.

Publication

- **“Hydrologic Evaluation of TRMM Multi-satellite Precipitation Analysis Products over Blue Nile Basin”** Oral Presentation, ICCEEE 2019, 2nd International conference of Chemical, Energy and Environmental Engineering 16-18 July 2019 Egypt Japan University of Science and Technology, Alexandria, Egypt.
- **“Assessment of TRMM 3B42V7 Satellite Precipitation Product Using Fully Distributed Hydrological Model over the Blue Nile Basin”** Poster, The Fourth International Symposium on Flash Floods in Wadi Systems, 4th ISFF2018, December 4th– 6th, 2018, Casablanca, Morocco.
- **“Numerical Simulation of Blue Nile Basin Using Distributed Hydrological Model”**, Oral Presentation, RETBE'17, 11th International Conference, Alexandria University, Faculty of Engineering, December 2017, Alexandria, Egypt.

Presentations at technical meetings and conferences

Additionally, the presentation of the aforementioned conferences:

- Oral Presentation of the final report of Master Engineering, Seminar, Faculty of Engineering, Hydraulic and Irrigation Department, Alexandria University, Egypt, March 2018.

- Oral Presentation of report entitled:” **A Comprehensive Study for the Nile River and Applications of Remote Sensing in Water Resources**“ Seminar, Faculty of Engineering, Hydraulic and Irrigation Department, Alexandria University, Egypt, September 2018.

Activities

- Attending of 2nd International conference of Chemical, Energy and Environmental Engineering, **ICCEEE 2019**, 16-18 July 2019 Egypt Japan University of Science and Technology, Alexandria, Egypt.
- Attending of Scientific Symposium entitled “**Naval Corridor Victoria Lake – Mediterranean Sea between theory and practice**” at Faculty of Engineering, Alexandria University, 8 December 2018.
- Attending of the Role of Engineering Towards a Better Environment, **RETBE'17, 11th International Conference**, Alexandria University, Faculty of Engineering.
- Attending seminar Master Thesis titled “**Controlling Sedimentation problem at Damietta Harbor Navigation Channel Using Numerical Modeling**” at Faculty of Engineering, Alexandria University – Hydraulic and Irrigation Department.
- Attending seminar Master Thesis titled “**Modeling of Unsteady Flow in Irrigation Canals**” at Faculty of Engineering, Alexandria University – Hydraulic and Irrigation Department.
- Attending seminar Master Thesis titled “**Rainwater Harvesting in North-East Libya applying Hydrology Models**” at Faculty of Engineering, Alexandria University – Hydraulic and Irrigation Department.
- Attending seminar Master Thesis titled “**Management of Groundwater Resources in North Western Desert of Egypt via a Developed Regional Predictive 3D Model**” at Faculty of Engineering, Alexandria University – Hydraulic and Irrigation Department.
- Attending in **Student Professional Development Conference–Africa 2016**, American University in Cairo.
- Attending the Role of Engineering Towards a Better Environment, **RETBE'14, 10th International Conference**, Alexandria University, Faculty of Engineering.
- Attending to **Prof. Stefan Heimann ‘s lecture** at his visit to department of Irrigation Engineering and Hydraulics, Alexandria University, Faculty of Engineering, 2013.

Experience

- ✓ Faculty of Engineering, Alexandria University – Hydraulic and Irrigation Department as **A Teaching Assistant of Design Irrigation Structures II** (1st Semester 2017/2018).
- ✓ Faculty of Engineering, Alexandria University – Hydraulic and Irrigation Department as **A Teaching Assistant of Design Irrigation Structures I** (2nd Semester 2017/2018).
- ✓ Faculty of Engineering, Alexandria University – Hydraulic and Irrigation Department as **A Teaching Assistant of Applied Hydrology and Design Irrigation Structures II** (1st Semester 2016/2017).
- ✓ Faculty of Engineering, Alexandria University – Hydraulic and Irrigation Department as **A Teaching Assistant of Design Irrigation Structures I** (2nd Semester 2016/2017).
- ✓ Faculty of Engineering, Alexandria University – Hydraulic and Irrigation Department as **A Teacher Assistant of Applied Hydrology** (1st Semester 2013/2014).

INTERESTS

Drawing, reading, travelling, knowing new cultures and learning online courses.