

Hadir Abdelmoneim Bassyouni Moustafa

M.Sc. Student, Faculty of Engineering, Alexandria University, Egypt.



Alexandria, Egypt

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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.

Publications

Papers, Books, Technical Reports, and Thesis

[Accepted]

1. **Abdelmoneim, H.**, Eldardiry, H., Eladawy, A., and Moghazy, H.: Inferring the Joint Operation of High Aswan Dam and Toshka Lakes using Multi-Sensor Satellite

Approach, EGU General Assembly 2021, online, 19–30 Apr 2021, EGU21-14224, <https://doi.org/10.5194/egusphere-egu21-14224>, 2021.

2. **Abdelmoneim, H.**, Soliman, M.R. & Moghazy, H.M. Hydrologic Assessment of The Uncertainty of Six Remote Sensing Precipitation Estimates Driven by A Distributed Hydrologic Model in The Blue Nile Basin.

[Published]

(2020)

3. **Abdelmoneim, H.**, Soliman, M.R. & Moghazy, H.M. (2020) Evaluation of TRMM 3B42V7 and CHIRPS Satellite Precipitation Products as an Input for Hydrological Model over Eastern Nile Basin. Earth Syst Environ. <https://doi.org/10.1007/s41748-020-00185-3>.
4. **Abd-El Moneim, H.**, Soliman, M.R. & Moghazy, H.M. (2020). Hydrological Modelling of Eastern Nile Basin Using A Fully Distributed Model Based on TRMM 3B42V7 Satellite Precipitation Product, Tuef 2020 conference.

(2019)

5. **Abd-El Moneim, H.**, Soliman, M.R. & Moghazy, H.M. (2019). Hydrologic Evaluation of TRMM Multi-satellite Precipitation Analysis Products over Blue Nile Basin. 2nd International conference of Chemical, Energy and Environmental Engineering (ICEEE), Egypt Japan University of Science and Technology, Alexandria, Egypt.

(2018)

6. **Abd-El Moneim, H.** (2018). Numerical Simulation of Blue Nile Basin using Distributed Hydrological Model. Report of Master of Engineering, Faculty of Engineering, Alexandria University, Egypt

(2017)

7. **Abd-El Moneim, H.**, Soliman, M.R. & Moghazy, H.M. (2017). Numerical Simulation of Blue Nile Basin using Distributed Hydrological Model. in 11th International Conference on The Role of Engineering Towards A Better Environment (RETBE'17), Alexandria University, Faculty of Engineering, Alexandria, Egypt.

Presentations at technical meetings and conferences

[Oral presentation]

1. **Abd-El Moneim, H.**, Soliman, M.R. & Moghazy, H.M. (2020). Hydrological Modelling of Eastern Nile Basin Using A Fully Distributed Model Based on TRMM 3B42V7 Satellite Precipitation Product. **[virtual]**

2. **Abd-El Moneim, H.**, Soliman, M.R. & Moghazy, H.M. (2019). Hydrologic Evaluation of TRMM Multi-satellite Precipitation Analysis Products Over Blue Nile Basin. 2nd International conference of Chemical, Energy and Environmental Engineering (ICEEE), Egypt Japan University of Science and Technology, Alexandria, Egypt.
3. Oral Presentation of the final report of Master Engineering, Seminar, Faculty of Engineering, Hydraulic and Irrigation Department, Alexandria University, Egypt, March 2018.
4. 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.
5. **Abd-El Moneim, H.**, Soliman, M.R. & Moghazy, H.M. (2017). Numerical Simulation of Blue Nile Basin using Distributed Hydrological Model. in 11th International Conference on The Role of Engineering Towards A Better Environment (RETBE'17), Alexandria University, Faculty of Engineering, Alexandria, Egypt.

[Poster presentation]

1. **Abd-El Moneim, H.**, Soliman, M.R. & Moghazy, H.M. (2020). Statistical Evaluation of High-Resolution Precipitation Products in A Hydrological Modeling of Eastern Nile Basin. The Fifth International Symposium on Flash Floods in Wadi Systems, 5th ISFF2020, February 25th– 29th, 2020 Kyoto University, Japan.
2. **Abd-El Moneim, H.**, Soliman, M.R. & Moghazy, H.M. (2018). Assessment of TRMM 3B42V7 Satellite Precipitation Product Using Fully Distributed Hydrological Model over the Blue Nile Basin. The Fourth International Symposium on Flash Floods in Wadi Systems, 4th ISFF2018, December 4th– 6th, 2018, Casablanca, Morocco.

Scientific Activities

- Participated in **ARSET – Mapping and Monitoring Lakes and Reservoirs with Satellite Observations Training**, 9th–23rd February 2021, Earth Science Applied Sciences, NASA, USA.
- Participated in **Sensing Rivers 2020 workshop (SR2020)**, 21st–23rd September 2020, University of Washington Seattle, USA.
- Attending of **Tanta University 4th International Environment Forum Green Environment and Sustainable Development**, 10–13 March 2020, Alexandria, Egypt.

- Attending of the Fifth International Symposium on Flash Floods in Wadi Systems, **5th ISFF2020**, February 25th– 29th, 2020 Kyoto University, Japan.
- 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 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.

Teaching Experience

- ✓ Higher Institute of Engineering & Technology, K-Marriot as **A Teaching Assistant of Irrigation and Drainage Engineering** (2nd Semester 2019/2020).
- ✓ 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).

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, MATLAB, and R programing.
- 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 html and CSS.
- Familiar with Surfer program.
- Familiar with Water CAD program.
- Microsoft office software (Excel, word, power point).
- Professional in dealing with Computer Software & Hardware.
- Google Earth Engine.

Language Skills

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

INTERESTS

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