



Ebaa Mohmmed

- Nile street, 21111 Wad Madani (Sudan)
- +24999686859 / +249115532155
- ebaa289@gmail.com / e.emadeldeen@hrc-sudan.sd
- <https://www.linkedin.com/in/ebaa-emad-352133163>
- Skype Ebaa.Emad

Nationality: Sudanese

Date of birth 28/09/1994

Skilled Researcher enthusiastic about supporting advancements in water resources studies. Passionate about increasing knowledge to drive growth and needed improvements. Ready to apply knowledge and six years of experience in research.

Work Experience

Jan 2017–Jan 2018

University teaching assistant

University of Khartoum
Gamea street, 11111 Khartoum (Sudan)

Supervision of laboratories (including those for Fluid Mechanics and Sanitary Engineering) and other responsibilities included supervision of tutorials as well as cooperation and assistance in carrying out functions relating to educational responsibility such as faculty examination including invigilation and evaluation.

Oct 2017–Present

Assistant Researcher

The Hydraulics Research Center (HRC), Ministry of water resources, Irrigation and Electricity
Nile street, East New Airport, Wad Madani (Sudan)
www.hrc_sudan.sd

- Conduct applied research in the field of water resources and hydrology.
- Field work: measuring discharges.
- Collecting Data.
- Processing Data.
- Analyzing Data.
- Modelling and resulting.
- Participate in Writing Reports and Proposals.
- Participate in Arranging Short Courses and Workshops.

Education and Training

2011–26 Dec 2016

Bachelor's degree Honour (First Class) in Civil Engineering Department

University of Khartoum, khartoum (Sudan)

Oct 2021- Oct 2023

Master's degree in engineering (on going)

Nagoya University, Japan

Jan 2017–Jan 2018

Certificate in Teaching assistant Engineer

Khartoum University

Feb 2017–Mar 2017

Certificate in civil engineering

Dam Implement Unit, Ministry of Water Resources, Irrigation and Electricity.
Sudan

Apr 2017–Jul 2017

Certificate in laboratories department

Groundwater and Wadis General Directorate (GWWD), Ministry of Water Resources, Irrigation and Electricity, Sudan.

Jan 2018–Feb 2018

Certificate in River Basin Simulation with RIBASIM

The Hydraulics Research Center (HRC), Wad Medani (Sudan)

Mar 2018–Apr 2018

Certificate in River Hydraulics and Hydrodynamic Modelling

The Hydraulics Research Center (HRC), Wad Medani (Sudan)

Oct 2018

Certificate in English language

Khartoum University

Oct 2018

Certificate in Computer sciences

Khartoum University

Mar 2019–Apr 2019

Certificate in River Basin Modelling

IHE Delft Institute for Water Education, Delft, The Netherlands

Dec 2019-Mar2020

Certificate in Hydraulics In river Basins

Hydraulics Research Institute- Egypt

March 2021

Certificate in language proficiency for non-native English language speakers.

The Duolingo English Test

Communication skills

- Confident, articulate, and professional speaking abilities.
- Emphatic listener and persuasive speaker.
- Writing creative or factual.
- Speaking in public, to groups, or via electronic media.
- Excellent presentation and negotiation skills.
- Very good in computer skills and browsing the internet (Computer programs: Microsoft Office, Ribasim, Sobek, Auto-cad, Primavira.).
- Ability to perform multiplerequests.
- Work under pressure.
- Communicate well with others.
- Ability to work in team.

Technical Skills

- Computer programs:
- All Microsoft Office.
- RIBASIM
- Primavera
- Arc-GIS
- SOBEK
- Autocade
- Python
- Mike Hydro

Organizational / managerial skills

- Good organization skill gained from work in HRC and through working as volunteer at takaful organization and Sadaqat Organization.
- Very good Communication skills
- Ability to use resources and time efficiently and effectively.
- Problem-solving
- Scheduling
- Goal setting

Experiences

- **Assistant Researcher in Hydraulic research center October/2017- now.**
During this period at HRC, my experience has covered main areas such as hydrology, hydraulics, River Engineering, Irrigation, and water resources, and major projects and Their responsibilities were:
 1. Assessment of the impacts of the Grand Ethiopian Renaissance Dam (GERD) on the downstream hydrology and water resources. (April 2018-present)
 - A team leader to lead the implementation of the study including budget management and completion according to allocated budget and time.
 - Office data collection.
 - Processing and analysis of collected data.
 - Modeler do Modelling for the project.
 - Results and Final Reporting.
 2. River basin simulation for improved trans-boundary water management in the Nile: Case study of the Tekezze-Atbara sub-basin (Oct 2018)
 - Participated as a team member.
 - Modeler.
 - Data collection and analysis and report preparing.
 4. Merowe Dam water balance study (Dec 2017)
 - participated as a team member,
 - data collection and analysis.
 - report preparing
 5. The selection of the Nile gauging site upstream High Aswan Dam (March 2018)
 - participated as a team member,
 - data collection and analysis.
 - report preparing.
 6. Calibration of current meter devices (Jan 2018)
 - participated as a team member.
 - Do calibration for current meter Devices.
 - Report preparing.
 7. Calibration of Selected Hydraulic Structures at Gazira Agricultural Scheme. (April 2018)
 - A Technical Proposal for this study was done.
 8. Participated in Flood forum in Ethiopia - Addis Ababa, From the 16th of August to the 17th of August 2018.

Projects

- Technical and financial proposal for Calibration of Selected Hydraulic Structures at Gazira Agricultural Scheme.
- Reported for the Evaporation analysis for Merowe dam.
- Reported for Merowe Dam water balance study.
- Reported for the Impacts of the Border Dam on the Downstream Hydrology and Water Resources.
- Reported for River basin simulation for improved trans-boundary water management in the Nile study.
- Reported for the selection of the Nile gauging site upstream High Aswan Dam study.

Language

- Mother tongue: Arabic
- English: able to use English in a variety of modes and contexts.
- Japanese: beginner, basic conversation

References

- **Dr.Younis A. Gismalla**
Associate professor, Director General -The Hydraulics Research Center (HRC), Sudan
Email: hrs_younis@hotmail.com phone: +249912833773
- **Assoc.prof Abu Obeida Ahmed**
Associate professor, The Hydraulics Research Center (HRC), Sudan
Email: hrs_abdo@hotmail.com phone: +2499123143490
- **Dr.Magdi Mohammed Eltayeb Zumrawi**
Associate Professor, Faculty of Engineering
University of Khartoum, Khartoum, Sudan
E-mail: magdi.zumrawi@yahoo.com
- **Dr. Adil Mohammed ElKhidir**
Associate Professor, Faculty of Engineering
University of Khartoum, Khartoum, Sudan
Email: adil_elkhidir@yahoo.com