

Eng: Elhadi Mohsin Hassan Abdalla



Personal Data

GENDER:	Male.
NATIONALITY:	Sudanese.
DATE OF BIRTH:	Nov. 16 nd 1992.
PLACE OF BIRTH :	Wad madani , sudan.
MARITAL STATUS:	Single .
LANGUAGES:	Arabic (Mother tongue) English (good speaking and writing).
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Academic Background:

2009-2014: BSc (**FIRST CLASS**) Honours Degree in Civil Engineering – Khartoum University, Sudan .

Graduation Project:

Simulation Model of Dams System in Atbara River.

The objective of the research is to Create a model (using Visual basic programming language) .

The Function of the model is to use the concept of water balance to develop new operation roles to Atbara River dams (Khasm Algebra, Setiet and Upper Atbara)

Skills & Qualifications :

Computer skills:

- Microsoft office (Excel, word, PowerPoint).
- Programming languages: (Visual basic, FORTRAN and Matlab).
- ARC GIS.
- AUTOCAD .
- SOBEK .
- Google earth .

Other Skills:

- Hydrological data processing using Excel , GIS, Google earth ,
- Dams and rivers Modeling using visual basic & sobec.

Projects:

I was involved in the following two projects as an assistant researcher in The Hydraulic Research Centre, Medani:

1- The impact of Grand Ethiopian Renaissance Dam (GERD) on the flood plain agriculture in Sudan.

Model was built using SOBEK to simulate the Nile and Its tributaries to study the reduction in flood plain agriculture in Sudan. My responsibility was to assist in Hydrological data collection and processing. Also I was involved in model schematization, calibration and validation. The model was run with suggested scenarios and the obtained results were analyzed.

2- Nile Navigation way from Koste to Barber.

The Aim of the project is to open a navigation way from Koste to Barber. I was involved in the collection of Nile cross-sections from Koste to Barber with short intervals (< 1 km). My responsibility was to establish the base line from Khartoum to Barber using digital level and real time kinematic GPS (RTK). The project is still going on. What remains is to analyze the collected data.

Field Experience;

University Field training:

- 2011: (AI-SBLOGA) – Khartoum, Sudan. Training in Survey works, (1 week)

- 2011: (AL-MKABRAB irrigation scheme) – (1 day).
- 2013: (KHASHM ELGERBA dam, SETIET AND UPPER ATBARA dam, ALGAZIRA irrigation scheme) – (3 days).

HRC Field Work:

- 2014 : GAZIRA SCHEME , Data collection using GPS (1 day) .
- 2014 : GAZIRA SCHEME , Discharge measuring using Parshall Flume (1 day).
- 2015 : Data collection for Main Nile cross-sections from (Al-SBLOGA to ATBARA) using GPS and ECOSOUNDER. (7 days)
- 2015 : Data collection for Main Nile cross-sections from (Khartoum to Barber) using RTK GPS and ECOSOUNDER. Establish a base line along this distance. (1 month)

Personal Statement:

I can adapt easily to new environments and people of diverse backgrounds, having team work spirit, honesty and loyalty, ability to work under minimum supervision, ambitious, confident, cooperative and Patient. As an engineer I believe that I should be equipped with strong mathematical background and excellent computational skills.

References:

- Dr. Adel Mohammed Alkhidir , Graduation project Supervisor, University of Khartoum
Tel: 0123047907
- Dr. Magdi zumrawi , Head of Civil Engineering Department , University of Khartoum
Tel:
- Dr. Yasir Mohammed Abbas , Head The hydraulic Research Center .
Tel
- Prof: Abdeen M.Salih
Tel: