

# CURRICULUM VITAE

**Name of Firm** : Associated Consultants & Partners.  
**Name of Staff** : MAHGOUB MAHAMED EL AMIN  
**Profession** : Civil Engineer & Hydrologist  
**Nationality** :Sudanese  
**Family Status** :Married  
**Professional career** : 33 Years.  
**Languages** :Arabic, English

**Academic Qualification** : (I) BSC (Civil Engineering), U of K  
(II) D.H.E (DELFT) HOLLAND

**Professional Qualification:** (I) M.I.C.E (CIVIL ENG)  
(II) Fellow of the Economic Development Institute worldbank (Washington D.C.)  
(III) M.S.E.C (Sudanese Eng council)

## Professional Experience:

**1996 – Present: Director General Water Resources Directorate Ministry of Irrigation.**

- Responsibly – Management of Water Resources in Sudan
- River Nile & Tributaries
  - Ground water
  - Non – Nile streams
  - Monitoring of sediment in rivers and Reservoirs
  - Blue Nile forecasts using (Fuse) modal
  - Upgrading of Hydrological measurement stations to modern standards.
  - Member of the High level Committee for optimized of the Blue Nile system.
  - Executive member of the Permanent Joint Technical Commission for the Nile Basin between Egypt & Sudan.

**1996 –1993: Director of (Tecconile)**

**Technical cooperation committee to Equatorial Nile basin**

- Preparation of Nile Basin Action Plan for the benefit of all ten (10) Riparian Countries in the Basin.

**1993 –1990:**

- Hydrologist in the Hydrology of the Equatorial Lakes. Entebbe Uganda – Hydrology and meteorology of the Equatorial Nile Basin.
- River Flows
- Water budget
- Mathematical model of the catchment
- Study of flows, Evaporation Evapotranspiration water quality and quality control.
- Study of rainfall patterns in the basin.
- Management of Hydrological data.

**1990 – 1980: Deputy Director of Supervision and follow – up project Division, Ministry of Irrigation, Sudan.**

- Implementation of irrigation projects:
- Contract Administration (civil works & Earth moving)
  - Follow – up the Design and construction of all activities in implementation of new projects under implementation, covering design and construction of Hydraulic structures, pump houses, canals, drains, Houses, Roads, bridge etc.
  - Make costing Monitoring and evaluation of different projects.
  - Participation in decision making
  - Rehabilitation of Blue Nile schemes (30.000 f.) (Grouping of pumped schemes).

**Jan – March 1984: Course on Planning and Appraisal of irrigation Projects – Economic Development institute the World Bank.**

**1980 –1976:**

**1975 – 1973:**

**Resident Engineer, Rahad project**

- Rahad pumped project is 300.000 feddans irrigation project
- Responsible for complete implementation

-Construction of irrigation system including canals, drains, hydraulic structures, land leveling, bush – clearance construction of staff houses, construction of bridges and Roads along the main and supply canals construction of culverts and syphons.

**1976 –1975: Joined Sir M.M MACKDONALD and PARTNERS Head office in Cambridge U.K & undertook training in:**

- Design of irrigation projects, buildings, water supply sedimentation processes and solutions, filter units design.
- Design of storage in rivers and wadis , Water Harvesting.
- Training in feasibility study, cost analysis of different irrigation and hydropower projects.
- Study of pump houses, syphons, bridges and culverts design and construction.
- Appraisal of Irrigation Project.

**1973 – 1970: Assistant Divisional Engineer for the construction of the following projects.**

- (I) suki pump scheme (90.000 F).
- (II) North west sennar sugar project (30.000 F).
- (III) Abu Naama Kenaf project (30.000 F).

**1970 – 1969: Joined the International courses for hydraulic and sanitary Engineering Delft Holland and Granted D.H.E (Delft).**

Hydrology & Endorsement for Ground water science

**1969 – 1967: Assistant Engineer Khasham EL GIRBA Dam.**

- Operation and maintenance (O & M)
- Flow measurement
- Dewatering system
- Water Budget
- River forecasting
- Major Maintenance of Dam Apron
- Study of Evaporation in open water reservoirs.