

CURRICULUM VITAE

PERSONAL

NAME: MOHAMED AHMED ADAM KHADAM
NATIONALITY: Sudanese
DATE OF BIRTH: 1947
LANGUAGES: Arabic - Excellent
English - Excellent

ACADEMIC AND PROFESSIONAL

UALIFICATIONS:

1971 B.Sc. Civil Engineering with honors, University of Khartoum.
1975 Diploma of Sanitary Engineering (Equivalent to M. Sc.) International Courses, Delft, Netherlands.
1986 Ph.D. Civil Engineering, University of Khartoum.
1992 Associate Professor, Faculty of Civil Engineering, University of Khartoum.
Member of International Water Resources Association, U.S.A
Member, Sudanese Engineering Society.

KEY QUALIFICATIONS:

Over 25 years experience in public health and water engineering. Experienced in organising and managing major projects in study, design and implementation stages. Three years experience as an expert and task leader for the team responsible to assess the municipal infrastructures as far as wet utilities were concerned for the City of Riyadh capital of Saudi Arabia. Two years experience as an expert of the Arab Bank for Economic Development in Africa (BADEA) working for Waste Water Authority the Ministry of Energy and Water Resources in Mauritius.

More than ten years in academic career as a Lecturer and Associate Professor of environmental engineering for Civil Engineering Department of University of Khartoum.

EXPERIENCE RECORD:

- 1996 - To date Senior Consultant, Water & Sanitary Engineering, . Responsible for design and construction supervision of water distribution and sanitation for various industrial and building projects such as:
- . Arab Sudanese Vegetable Oil & Soap Project.
 - . Sudanese Korean Vocational Training Centre.
 - . White Nile River Front Development Project.
 - Kenana Factory and Township Development Plan Project.
 - EI Roubi Agricultural Production Township and Factory.
 - Master Plan for Towns of Southern Kordofan State.
 - GNPOC projects at Heglig , Geili and Headquarter. Port Sudan. EI Obeid, EI Fasher ,Omdurman water supply Projects.
- 1994 -1996 Expert ,Arab Bank for Economic Development in Africa (BADEA), Waste Water Authority, Mauritius.
Responsible for:
(One) Managing and organising the following major sewerage projects in study, design, tender documents and implementation stages:
- . Urgent Improvement Works for existing sewerage facilities in urban areas of Mauritius (Project value US\$ 12 M).
 - . New sewerage facilities for tourist resort at Grand Baie (pV = US\$ 20M).
 - . Sewerage facilities at Baie du Tombeau area comprising pumping stations, sewer networks, Treatment Plant and marine outfall (PV = US\$ 10 M).
 - . Extension of Treatment Plant at St. Maartin to Tertiary level including irrigation systems (PV = US\$ 27M).
- (Two) Supervising the Pollution Control Unit where effective monitoring is required to control the discharge of waste water to sewers, rivers and water courses in order to secure compliance with required effluent standards.
- (Three) Reviewing Environment Impact Assessment (EIA) reports for different undertakings in the country.
- 1991 - 1994 Associate Professor, Civil Engineering Department, Universit: of Khartoum.

(One) Associate Professor for environmental engineering in the Civil Engineering Departments for both undergraduate and graduate courses.

(Two) Consultant for the wet utilities of the University of Khartoum and other new Universities compounds.

(c) Being associated with private firms for some major projects such as:

- . Community water supply and sanitation project for rural areas of Khartoum sponsored by World Health Organisation.
 - . Design and supervision of water and drainage systems for multi-storey buildings in Khartoum including hospitals, banks and other commercial complex.
 - . Consultant of wet utilities for Arab Organisation for Agricultural Development building.
 - . Consultant with Kuljian from U.S.A. for the study of Desalination plant for Port Sudan.
- Expert, High Commission for Development of City of Riyadh- Saudi Arabia.

988 - 1991

One) Task leader for the team responsible to assess the municipal infrastructures as far as the wet utilities were concerned and the current water use practices for the City of Riyadh. The work covered the following aspects:

- . Leakage tests and assessment form drinking water networks.
- . Infiltration from foul water sewers and storm water sewers into sub-soil strata.
- . Aspects of domestic water conservation and preventive programmes for solving the rising groundwater in the city.

Two) Task Leader for water quality programme and coordinator for water resources management for Wadi-Hanifah catchment area.

- Reviewer (to date) for the research study projects of wet utilities in Saudi Arabia sponsored by King Abdul Aziz City for Science and Technology in Riyadh.

1980 - 1988

Lecturer and Consultant, Civil Engineering Department, University of Khartoum and associated with Local Engineering firms.

1979 - 1980

Project Manager, Concorp, International Kampala, Uganda.

1975 - 1979

Senior Engineer, National Urban Water Corporation, Khartoum.

1971 - 1975 Assistant Engineer, National Urban Water Corporation,
Khartoum.

CONFERENCES ATTENDED:

- 1993 Consultation meeting - UNISCO Project on Development of Series learning materials in Engineering Science; Polytechnic University CATALONIA, Barcelona, Spain.
- Dec. 1992 Training Seminar on Environmental Impact Assessment organised b Alesco and World Bank and Institute for environmental studies Ain-Shams University, Cairo.
- Sept. 1992 Regional Water Supply and Sanitation Seminar AMREF (NETW AS Naro-Moro, Kenya.
- 1991 Sub-regional course on environmental impact assessment of hydrological projects - UNESCO- Ain Shams, University of Cairo.
- May 1991 UNESCO/Col Consultation meeting in environmental engineering,] of Spain, Trinidad.
- 1987 Inter Country meeting of Director of environmental health training, research, Riyadh.
- 1986 International Conference on water resources needs and planning in drought prone areas, Khartoum.
- 1984 International Seminar for water resources management practices, Il(Nigeria.
- 1981 Water Quality modelling and Monitoring, WMO, Nairobi, Kenya.

PUBLICA TIONS AND TECHNICAL REPORTS:

"Water Losses from Municipal Utilities and their Impacts" Water International 16 (1991) 254 - 261 IWRA, U.S.A.

"Modelling drained solids matter and salt transport through deep aquifers" proceec of international workshop on the application of mathematical models for the assesment of changes in water quality, Tunis May 1990.

"Factors influencing per capital water consumption in urban areas of developing countries" Journal ofInternational Water Resources Association (IWRA), 1988.

"Management of urban water supply demand in arid developing countries" proceedings of the International Conference on Water for the future, Italy 1987.

"Assessment of water resources systems for semi-arid Savannah urban region" Proceedings of International Conference on water resources needs in drought prone areas, Khartoum 1986.

"Water Resources in Sudan" A book published by National Council of Research, Khartoum, Sudan 1982.

"The Man-Made Environment" Technical report for the rising ground water management study for City of Riyadh, 1990.

"The Public Health Aspects of the rising ground water" Riyadh, 1990.

"Domestic Water Conservation" issued jointly with Water Engineering and Development Centre (WEDC), Loughborough, United Kingdom, 1990 Riyadh.

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Civil Engineering Department,
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