

# CURRICULUM VITAE

## Personal Information

- **Name:** Suad Said Ahmed Babiker
- **Date of Birth:** 19 Dec. 1955
- **Place of Birth:** Khartoum
- **Nationality:** Sudanese
- **Gender:** Female
- **Religion:** Muslim
- **Marital Status:** Married, three children.
- **Languages:** Arabic (mother tongue) and English (study and work)
- **Job Title:** Assistant Professor
- **Residence Address:** House No. 182, Block 7, Riyadh Town, Khartoum, Sudan.
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## Education

- Doctor of Science (Ph.D) in Environmental Studies, August, 2007, Department of Environmental Studies, College of Natural Resources and Environmental Studies, University of Juba, Sudan.  
**Title of Thesis:** Evaluation of Drinking-water Quality and Related Sanitation Issues. Case Study: Al-damer Atbara Area.  
**Supervisor:** Professor Isam Mohamed Abdel-Magid

- Master of Science (M.Sc) in Environmental Studies, 1992, Institute of Environmental Studies, Khartoum University, Sudan.

**Title of Thesis:** “Nitrate Removal from Groundwater by Granular Activated Charcoal for Rural Areas”.

**Supervisor:** Dr Mohammed A. Ahmed.

- Bachelor of Science (B.Sc) in Chemistry and Zoology April 1979, Faculty of Science, Khartoum University, Sudan.

### **Training Courses, Seminars & Fellowships**

- Training course on Principles of Radiation Protection, 14-26 Jan. 1984. National Council for Research (NCR) Sudan Atomic Energy Commission (SAEC) Khartoum, Sudan
- Training course on Analysis and Evaluation of Drinking-water Quality (including Physical, Chemical and Bacteriological analysis) Oct.-Nov. 1984 (Four weeks) National laboratories, Ministry of Health- Sudan
- Training Program on Soil, Plant and Water analysis, 29 Jul.- 23 Oct 1986, Central Laboratories of Soil Conservation, Ministry of Agriculture and Natural Resources, Soil Conservation, Land Use & Water Programming Administration.
- Training period on Isotopes Hydrology, 01 Sept.- 01 Dec.1987 (three months), Isotopes Laboratories, International Atomic

Energy Agency, Vienna International Center (VIC), Vienna, Austria

- Training period on Rural and Peri-urban Sanitation Planning and Implementation, May 1990 (two weeks), World University Service of Canada and Institute of Environmental Studies, University of Khartoum
- Ford Foundation Award for the best MSc Environmental students to go to Kenya to observe the activities of the United Nations Environmental Program (UNDP), 1991
- Participation on Workshop under titled “Women, Environment and Development”, Sep. 1996 (three weeks), UNDP, Sudan and the Institute of Environmental Studies, Khartoum University, Sudan.
- River and Groundwater Quality Modeling, 27 July- 17 August, 2008, UNESCO Chair in Water Resources, UNDP, Sudan.
- Electronic Education: Course Management System, Moodle (Modular Object Oriented Dynamic Learning Environment) Oct. 2008 (three weeks). Sudan University of Science and Technology, Khartoum.
- Nile Basin Development Forum. “Environment and Water Resources Management for Peace and Cooperation in the Nile Basin”. 17-19 Nov. 2008. Friendship Hall, Khartoum, Sudan.
- Seminar on Water Purification, Wastewater Treatment, Water Treatment Chemicals and Oil Separation Systems. 23, April 2009 organized by Public Water Corporation Training Centre Khartoum, Presented by Concorde Corodex Group United Arab Emirates.

- 2<sup>nd</sup> International Conference in Laser Science & it's Applications. 7-9 Dec. 2010 Khartoum, Coral Hotel, Sudan. Sudan University of Science & Technology. Institute of laser.
- Participation as a steering committee member in training course of Analytical Methods in Water Quality Assessment, 19-30 Dec. 2010, Department of Environmental Engineering, Collage of Water & Environmental Engineering, Sudan University of Science & Technology, in collaboration with International Organization for Migration (IOM).

### **Employment Record and Tasks**

- From January. 1980- April 1982, Research Assistant, Department of Biochemistry, Faculty of Medicine, King Saud University. Riyadh, Kingdom of Saudi Arabia.

The Nature of duties:

- ✓ Assist in the preparation of the laboratory experiments
- ✓ Teaching and demonstrating the practical work

- From Dec. 1983- Jan. 1994 Research Assistant, Groundwater Research Department, National Rural Water Corporation (NRWC), Ministry of Irrigation and Water Resources. Job details of this period as mentioned below:

- Head of Water Quality Laboratory (1983- 1985):

The Nature of duties:

- ✓ Establishing of water quality Laboratories
- ✓ Supervise and assist on water analysis.

- Head of Environmental Isotopes Laboratories (1985-1994):  
The nature of duties:
  - ✓ Participate on establishing the environmental isotopes laboratories with collaboration of International Atomic Energy Agency (IAEA) experts.
  - ✓ Supervise and assist on tritium ( $H_3$ ) measurement techniques
  - ✓ Follow-up the program of water sampling and provide assistant on water sampling techniques
  - ✓ Call IAEA experts for technical assistant, advice and consultation on problems related to the laboratory equipment and instruments.
- From 1994- 1996, lecturer at Wad El Magboul Institute for Earth Sciences, (now Faculty of Water & Environmental Engineering) Sudan University of Science and Technology
  - ✓ Assist in rehabilitation of chemical laboratory
  - ✓ Establishing the water quality laboratory.
  - ✓ Teaching the following subjects
    - General Chemistry (practical & theory).
    - Application of Isotopes Techniques in Hydrology.
    - Water Quality (theory & practical).
    - Environmental Science
    - Ecosystems Management.
    - Water Quality Management.
    - Water Supply, Sanitation and Health.
    - Seminars on Different Environmental Issues.
    - Research Methods.

- From July 1994- Feb. 1998, head department of Water Resources, WadEl Magboul Institute for Earth Sciences, Sudan University of Science and Technology
  - . The nature of duties:
    - Teaching
    - Member of the University Senate
    - Member of the College Board
  
- From Feb. 1998- Dec. 2007 lecturer, department of Water Resources.
  - The nature of duties:
    - Teaching
    - Supervising the practical work for general chemistry and water quality
  
- From Dec. 2007 to date, Assistant Professor, Department of Environmental Engineering. The nature of duties
  - Teaching.
  - Member of the College Committee on the Quality Assurance and Measurement.
  - Supervising the laboratory work for general chemistry & water quality.

### **Teaching and Guidance of Graduate and Post-graduate Work**

- Part-time lecturer at UNISCO Chair in Water Resources. (Omdurman Islamic University). Teaching post-graduate diploma and M.Sc courses. Teaching Topics:

- Water Quality Management
- Environmental Planning
- Waste Management
- Supervisor for two M.Sc students and several post graduate diploma students.
- External examiner for several postgraduate students M.Sc and post graduate diploma at different collages and universities.

### **Specialized Writing Publication**

- Water Quality, Sanitation and Human Health. Presented at the World Water Day (2008). Giad Hall, Sudanese Water Society. Khartoum, Sudan
- Babiker, S, S (2007) Evaluation of Drinking-water Quality and Sanitation Situation. Al-Damer Atbara Area. Doctoral thesis, College of Natural Resources and Environmental Studies, University of Juba, Sudan.
- Babiker, S, S (1992) Nitrate Removal from Groundwater by Granular Activated Charcoal for Rural Areas. MSc thesis Institute of Environmental Studies. University of Khartoum, Sudan.

### **Memberships of Societies and Contributions to the Service of the Publics**

- Members of Sudanese Environmental Conservation Society
- Member of Environmentalists Association, Sudan
- Member of Women, Environment and Development Society, Sudan

- Member of Executive Committee, Secretary for Women Affairs, Sudanese Water Society. The duties concern mainly on empowerment of women in water resources administration and environmental awareness.
- Participation in voluntary work concerning the protection of water resources and provision of safe drinking-water and sanitation facilities for the poor urban and rural communities.