

STAFF LIST

Research

Janet Ofori, BSc, MSc

Microbial Pollution; Biological Control of Mosquitoes.

James Samman, BSc, MSc, PhD

Environmental Hydrobiology, Freshwater Macro-invertebrate Ecology, Bioconservation.

K.A.A. deGraft-Johnson, BSc, MSc

Water Weeds and Environmental Management.

J.S. Amakye, BSc, MSc

Freshwater Macro-invertebrate Ecology; Ecotoxicology; Bioconservation.

M.H. Ocran, BSc, MSc, PhD

Environmental Biology; Biological control of mosquitoes and black flies.

A.A. Opoku BSc, MSc, PhD

Public Health; Environmental Management.

J.A. Ampofo BSc, Dip.Ed, MPhil, PhD

Aquatic Microbiology, Fermentation Technology.

Gloria Addico, BSc, MPhil

Environmental Biology.

Victoria Afutu-Vanderpuye, BSc, MSc

Medical Entomology.

Akwasi Ampofo-Yeboah, BSc, MPhil

Environmental Hydrobiology; Fishery (Shellfish Management)

Technical

Wilhelmina Tetteh

Microbiology, Entomology

Mohammed Bello

Microbiology

Sena Niampoma

Microbiology, Parasitology, Entomology

M. T. Sappor

Hydrobotany

Godwin Amegbe

Freshwater Macro-invertebrate Ecology

Environmental Biology & Health - The key to a better environment

By our close collaboration with the Environmental Chemistry Division of the Water Research Institute, we are in a position to offer innovative solutions to the myriad Water Resources and Environmental problems of developing countries.

We have the capability to undertake environmental assessment of watershed management projects, including irrigation and logging.



A clean and healthy environment is our goal



Water Research Institute

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GHANA

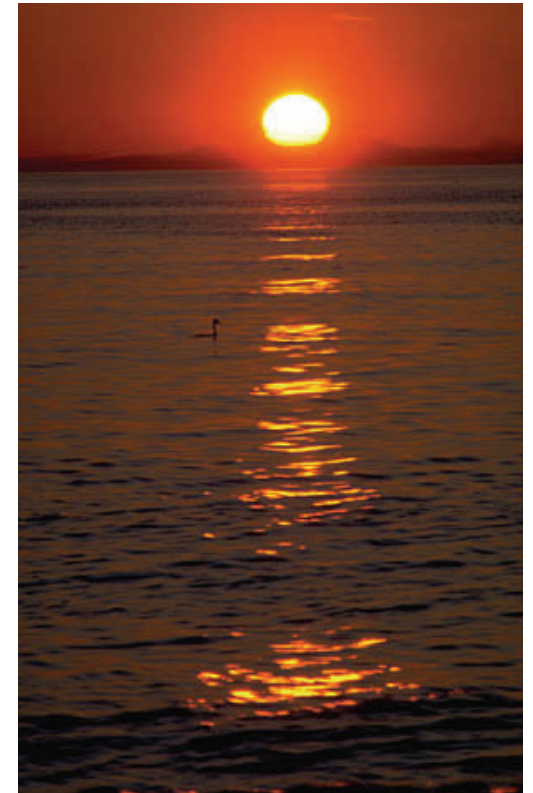
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Environmental Biology & Health Division



Water Research Institute

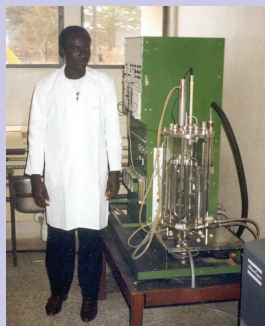
Council for Scientific and Industrial Research (CSIR)

Environmental Biology & Health Division, Water Research Institute

INTRODUCTION

As a result of industrialisation, urbanisation and population increase, there has been a corresponding increase in environmental degradation, with attendant negative impact on aquatic plants and animals and the health of people.

EBHD seeks to provide solutions to ensure the integrity of the environment, while ensuring the sustainable utilisation of natural resources, with little or no adverse impact on the environment and health of the people.



Highly trained scientists ensure quality work

MISSION

To study and manage water weeds in relation to the various uses of water resources; undertake studies of aquatic macro-invertebrate diversity, productivity and monitoring in relation to biodiversity conservation; study and undertake the control of vectors of water-associated diseases (malaria, bilharzia, river-blindness) and undertake water quality analysis with re-

spect to microbial pollution and water-borne diseases.

SERVICES ON OFFER

A. Malaria

- Identification and mapping of potential malaria foci.
- Identification of other mosquito-borne diseases.
- Programmes for the control of vectors of malaria and other mosquito-borne diseases.

B. Water Quality Analysis

- Potable water (including sachet and bottled water) - to meet Ghana Food and Drugs Board Certification.
- Raw water (surface and ground water)
- Swimming pool.
- Water-sport sites (tourist sites)
- Rural water supply (including water from bore-hole and hand-dug wells)

C. Water Weeds

- Identification
- Mapping
- Management and integrated control

D. Environmental Impact Assessment (EIA) and Watershed Management

- We have range of skills and expertise in EIA and environmental and watershed management.

E. Preparation of Teaching Aids for Schools and Universities

- Mounted slides of botanical specimens.
- Live/herbarium specimens of aquatic plants, e.g., Salvinia, Azolla, Duckweeds (*Spirodella sp.*, *Lemna sp.*) and Water Hyacinth and algae (*Spirogyra sp.*, *Spirulina sp.*, *Oscillatoria sp.*)
- Zoological Specimens: Mounted slides of unicellular protozoa, aquatic stages of mosquitoes and adults. Histological specimens of aquatic macro-invertebrates.

F. Training

Short courses in laboratory and field techniques are offered in:

- Water weed control.
- Mosquito control.
- Water quality analysis.
- Watershed management.
- Identification of aquatic macro-invertebrates.
- Other courses in Environmental Biology can be arranged at client's request.



Be sure of the quality of the water before you jump

RECENT PROJECTS

Project Formulation Mission - Integrated Control of Aquatic Weeds in Ecowas member States and Cameroon (2002)

Client : FAO

Evaluation of Efficacy of Several Formulations of *Bacillus thuringiensis* on *Simulium damnosum* larvae.

Client : Abbott Laboratories, North Chicago, USA

Korle Lagoon Ecological Restoration Project (2000)

Client : Environmental Protection Agency

Water Resources Management Studies (2000)

Client : Water Resources Commission

Mosquito Control in Drains and Lagoons in Southern Accra (2000)

Client : Sunrise Pest Control Services Ltd., for Ministry of Local Government and Rural Development.

Control of Aquatic Weeds on Souni Reservoir and the Performance of Effluent Ponds. (2000)

Client : Ghana Rubber Estates

Control of Aquatic Weeds on River Jimi Reservoir (2000)

Client : Ashanti Goldfields Company

Baseline Information on Aquatic Macro-invertebrates of Bioko Island - An Impact of the *Simulium* Larvicide (1999, 2000)

Client : African Programme for Onchocerciasis Control

Control of aquatic Weeds in the Lower Volta River at Mepe/Battor.(1999)

Client : Ministry of Food and Agriculture