

## **Personal Data**

**Name:** El Tigani Mohamed Hassan Allam

**Date of Birth:** 5.8.1939

**Nationality:** Sudanese Citizen

**Marital Status:** Married with three children.

## **Address**

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## **Qualifications**

### **a- Education**

- B.Sc. (Honours) University of Khartoum, 1963.
- M.Sc. (Zoology) University of Khartoum, (1965).
- Ph.D. University of London, 1970.

### **b- Training**

## **ACADEMIC STATUS**

1. Appointed in 1963 as a teaching assistant in the Department of Zoology, Faculty of Science, University of Khartoum.
2. Appointed as a lecturer in the same Department in 1971 after obtaining Ph. D. from University of London.
3. Seconded to Faculty of Education, Um El Qurra University, Taif, Saudi Arabia and Continued there from 1983 to 1999.
4. Reappointed in 2000 in the Zoology Department, Faculty of Science, University of Khartoum.

## **Specialization**

Entomology

Ecology

## **Teaching Experience**

### **a. Courses taught at Faculty of Science U of K.**

1. General Zoology for prelim and intermediate students
2. Entomology: for third year Zoology students
3. Entomology for Honours Part I students, Honours Part II and M.Sc. Qualifying students
4. Medical Entomology: for M.Sc. students
5. Entomology: for Higher Diploma students
6. Wild life: for Honours Part I students
7. Ecology: for third year and fourth year students
8. Principles of Systematics: for fourth year students
9. Entomology University of Um El Qurra, Saudi Arabia.

### **b- Courses taught at other Faculties/Universities**

- Entomology: for undergraduate students, University of Kordofan
- Entomology: for undergraduate students, University of River Nile

### **c- Development of Training Programmes**

1. Designed and implemented a Laboratory Course on Scientific Material preservation for researchers, TAs and technicians at State Universities, 2002 (Zoology Dept. and Sudan Inst. For Basic Sciences)

### **d- Curriculum Development**

1. Member of committee for Biology Curriculum Development, Faculty of Science, Omdurman Islamic University

## **Administrative Experience**

- Appointed in 1976 – 1980 as Director of the Sudan Natural History Museum in addition to the work in the Department of Zoology.
- Appointed in 1980 as Head Department of Zoology until 1983 when seconded to the University of Um El Qurra, Saudi Arabia.

- Appointed in October 2000, and until the present time, as Director of the Natural History Museum, Faculty of Science.
- Member of the Faculty Board 2000-2007
- Examination Officer, Department of Zoology
- Member of the University Sennate

## **Community Development**

- Member of Committee for revision of students' fees U of K 2005-2006

## **Supervision**

### **1. HONOURS DISSERTATIONS**

Supervised over 100 B. Sc. (Honours) and M.Sc. Qualifying Dissertations during the period 1971-2007

### **2. GRADUATE DEGREES**

#### **2.1 Supervision of M.Sc. Students (Degree by Research)**

- M.Sc. On the Ecology of two Desert Arthropods: *Ocnera hispida* (Coleoptera) and *L.quinquistriatus* (Scorpionidae).
- M.Sc. on The Biology of Acacia Powder pest Beetle *Sinoxylon senegalenses*.
- M.Sc. on the The Biology of Snakes in Khartoum Province.
- M.Sc. on The Susceptibility of the Housefly *Musca domestica* to various insecticides used in the Sudan.
- M. Sc. on the Biology of the Reed Buck *Redunca redunca* in the Dinder National Park
- M.Sc. on Taxonomic Studies of Ant Species collected from Khartoum State (2006)

#### **2.2 Supervision of Ph.D. Students (Degree by Research)**

- Ph.D. on the Effects of Insecticides used in Sudan on the Nile Rat.
- Ph.D. on the Ecology: Mainly Temperature and Water Relations of the Nile Rat.

#### **2.3. External Examiner:**

- External Examiner for graduate students from University of Khartoum, university of Kordofan, University of Juba

## **Scientific Meetings and Visits**

- Conference on Conflicts surrounding the Dinder National Park (February 2001) organized by the Ministry of Environment and Rural Development in association with the Sudanese Environment Protection Society, I represented the University of Khartoum
- Workshop on Breeding Wild Animals In Farms (April 2001) organized by the Arab Organization for Investment and Development in Agriculture.
- Conference about Biodiversity in the Sudan (June 2001) organized by the Higher Council for the Environment, Ministry of Environment and Rural Development.
- Program on The Assessment of Capacity Building Needs and Country Specific Priorities in Biodiversity Management and Conservation in Sudan (SUD/02/G31),organized by the Higher Council for Environment and National Resources, Ministry of Environment.
- Appointed as the head of a group of scientists concerned with Conservation of Wildlife in the Sudan and submitted the following paper
- Allam,T.M. and El Tagy, E. (2003), Ex-situ and in-situ Conservation of Wildlife of Sudan

## **Research Projects**

- Carried out and took part in the following research programs between 1975 and 1982:
- Ecology of grasshoppers and their seasonal distribution in Khartoum Province.
- Susceptibility of Culicine mosquitoes to insecticides in Khartoum Province.
- Ecological studies on the Dinder National Park and effects of mechanized farming on migration routes of wild animals (as a special assignment from the Ministry of Animal Resources).
- Impact Assessment of the proposed Jonglei Canal on Wildlife and Insect Fauna of the Sudd region. This work was carried out in the period 1978 to 1982 as an assignment to the Jongllie Commission, Ministry of Irrigation.

## **Membership of Scientific and Professional Bodies**

### **a- Professional Societies Membership**

- Member of the Royal Entomological Society
- Member of the African Association of Insect Scientists.
- A founder and a member of the Sudanese Environment Protection Society

- President of the Sudanese Environment Protection Society in the period 1975 to 1980.

### **b- Scientific Committees Membership**

- Bioethics Committee, Faculty of Science, U of K.
- Appointed as the head of a group of scientists concerned with Conservation of Wildlife in the Sudan

### **c- Advisory Committees Membership**

- In 2003 the Greater Nile Oil Operating Company contacted a group of three staff members from the University of Khartoum including Dr. Tigani M.H. Allam, Dr. Dawi Musa Hamad from the Zoology Department and Dr. Kamal Ramadan from the Electric Engineering Department to report and suggest possible solutions for electric trips caused by birds in El Muglad Basin. The group visited Heglig and El Wohda Fields and submitted the following papers:
  1. Tigani M.H. Allam, Dawi Musa Hamad and Kamal Ramadan (2003). Birds Causing Power Line Trips In Heglig And Unity Fields
  2. Tigani M.H. Allam, Dawi Musa Hamad and Kamal Ramadan (2004). Report on Installation of Bird Control Equipment Pilot Project
  3. Tigani M.H. Allam, Dawi Musa Hamad and Kamal Ramadan. Evaluation of the Bird Control Equipment Pilot Project
- Greater Nile Oil Operating Company, again in 2005, contacted Dr. Tigani and Dr. Dawi to study and report about possible solutions to birds threatening aircraft and causing airplane strikes at Heglig Airfield. The following report was submitted and bird deterring equipment is being purchased to be installed.
  1. Tigani M.H. Allam and Dawi Musa Hamad (December 2005). Report on: Birds At Heglig Airport: Problem and Control

### **Research Interest**

- [Taxonomy and phylogeny of wild animals](#)
- Impact of ecological changes on fauna
- Bioethics

## **Research and SCIENTIFIC PUBLICATIONS**

### **(A) Graduate Degrees:**

- M.Sc. Thesis entitled The Biology of Two Grasshopper Species *Anacridium melanorhodon* and *Poecilocerus hieroglyphicus*.
- Ph. D. Thesis: On the Reproductive Biology and Ecology of the Tree Locust *Anacridium melanorhodon*.

### **(B) Recent Scientific Reports:**

- Allam, Tigani M.H. and Dawi Musa Hamad (December 2005) Birds At Heglig Airport: Problem and Control.
- Allam, Tigani M.H., Dawi Musa Hamad and Kamal Ramadan (2003). Birds Causing Power Line Trips In Heglig And Unity Fields
- Allam, Tigani M.H., Dawi Musa Hamad and Kamal Ramadan (2004). Report on Installation of Bird Control Equipment Pilot Project
- Allam, Tigani M.H., Dawi Musa Hamad and Kamal Ramadan. Evaluation of the Bird Control Equipment Pilot Project

### **(C) Recent Scientific Papers:**

- Allam,T.M. and El Tagy, E. (2003). Ex-situ and in-situ Conservation of Wildlife of Sudan
- Omer, K.A and Allam,T.M (2007). Taxonomic Studies of Ant Species Collected in Khartoum State. Sudan Journal of Basic Sciences (B). 11: 155-175.

### **(D) Books:**

- Allam,T.M (2007). ATLAS OF SUDAN ANIMALS Submitted for Publication

research papers