

## Personal Information

**Name:** El Bushra El Sheikh El Nur

**Nationality:** Sudanese

**Place of Birth:** Elhassaheissa (El Hilallia) –Blue Nile Province – Sudan

**Date of Birth:** 29/5/1943

**Marital Status:** Married

**Sex:** Male

## Education

**1951 – 1954:** El Hilallia Elementary School

**1955 – 1959:** Rufaa Intermediate School

**1959 – 1963:** Hantob High Secondary School.

**1963 – 1967:** Sudan School Certificate.

**1963 – 1967:** University of Khartoum – faculty of Science.

**April – 1968:** B.Sc. (Honours) Second Class – Division One in Botany.

Title of thesis – The effect of dimethyl amino – Succinic acid on the growth of *Vicocia faba* (Physiology and Biochemistry Line)

**1968 – 1973:** Senior Scholar, Botany Department, University of Khartoum.

**1970 – 1971:** Exchange visitor to the University of Khartoum and University of Berkly U.S.A  
Where I conducted research on nucleic acids.

In relation to crown – gall disease.

**1973:** Ph.D. Degree from the Botany Department University of Khartoum. Thesis title: Crown – gall (Plant tumors) on *Ricinus communis* (Castor Beans) was Appointed as a lecturer in the same Department as from the same year.

## Teaching Experience and Supervision

**A/ Teaching Experience:**

**1968 – 1973:** As senior Scholar in the Botany Department, I was assigned to set and demonstrate for the following classes.

1. **Preliminary Year:** Practical related to the morphology, anatomy and physiology of higher plants. In addition to that I taught an introductory course concerning higher plants.
2. **Intermediate Year:** A practical anatomy course.
3. **B.Sc. (General) and B.Sc. (Honors):** Physiology and Biochemistry practical. During the same period I took part in teaching Physiology practical the third and final B.Sc. students of the collage of Education University of Khartoum.

**1973 – 1982:** After being appointed as a lecturer, I taught the theory and practical of the following courses:

**Preliminary Year:** morphology, anatomy and physiology of higher plants. I also took part in designing and teaching a biology course for a prelim. Biology and Geology students.

**Intermediate Year:** Introductions to Biochemistry . Anatomy of higher plants

**Third Year:** Translate of elements along the plant cells.

**B.Sc. General:** The chemistry of amino acids, proteins and nucleic acids.

**B.Sc. Honours:** Biosynthesis of carbohydrates. Biosynthesis of amino acids, proteins and nucleic acids. Biosynthesis of lipids.

**1983 – 1999:** Taught theory and practical cases in Physiology, Biochemistry, economical plants and anatomy Um Al Qura University (Biology Department, Faculty of Education).

**1999 up to now:** Taught Biochemistry courses for 1<sup>st</sup>, 3<sup>rd</sup>, 4<sup>th</sup>, and 5<sup>th</sup> (Honours students) in the faculty of science, U of K.

Also, taught courses in the faculties of Public and Environmental Health U of K, Applied and Industrial Sciences University of Juba , Faculty of Pharmacy, University of Technical Science, and a general Courses in the Military College.

### **Diploma Student:**

I taught a postgraduate courses for the students doing Diploma in sugarTechnology. The title of the courses is (The Botany of Sugar) . The course organized by the Faculty of engineers U of K. and was designed for the Chemists and Chemical Engineers Working in Sugar Industry.

### **Post Graduate Student:**

#### **(i) Supervision:**

**A/ M.Sc:**

1. Siham Mohammed Suleiman
2. Faiza Abbas Hassan Adam
3. ElhamAbdelrahman Mohammed Kheir
4. Hadia Mohammed Ahmed Farah
5. Hind Ahmed BabikerRehemptalla
6. Ishraga Ahmed Osman Mohammed
7. Elham Mohammed Ahmed Ibrahim
8. NafisaEltigani Hamid Karam
9. Faiha Mohammed Abdelrahman
10. Lyali Ali Alsigai
11. Hind MirghaniMahgoub
12. ShazaCamal
13. MuneiraIshag
14. Hinda Mohammed Ahmed
15. El NaeimMohd Osman

**B/Ph.D:**

1. Ibrahim FathAlrahman Ahmed
2. Abdel Azim Ali Ahmed
3. IetidalAltahir Mohammed
4. AbdinAlsiddig Mohammed Albadri
5. Ahlam Sir Alkhatim Mohamed Altayeb
6. ZeinabMisbah
7. Fatima MisbahElsadig
8. Rania Farag
9. ManalAbdallaIbrahiem
10. AfrahAbdelazim
11. Tahani Osman
12. Hind Ahmed
13. LayaliAlstgan
14. Hind MahgaubMurgani

(ii) Examiner for more than 25 MSc students and 20 PhD student.

**C/ Research Topic:**

1. Plant Biochemistry
2. Medicinal Plants (Phytochemical, Antibacterial, Antifungal, and Antiviral studies).
3. Phytoremediation.

- In addition to supervision of many graduation projects for final year and M.Sc.(qualifying students).

# **Memberships and Titles**

## **A/ Memberships:**

**1970:** American Association of Physiologist Midwest Section.

**1972:** Science Society U of K

**1979:** Microbiology Society University of Dundee, Scotland.

**1983:** Biological Society of Kingdom of Saudi Arabia.

**2001:** Sudanese Society for the protection of Environment.

**2003:** Advisor for the Sudanese Biological society.

## **B/Titles**

- Exchange visitor in Professor Lippincott Lal. (1970) at Northwestern University and Berkley U.S.A.
- Research fellow University of Nottingham- England (1976) where I carried out research on protoplast fusion under the Supervision of Professor E. C. Coking.
- Honorary Research fellow (1979) at the University of Dundee Scotland working with Professor W. D. P Stewart.

## **Other activities:**

- Resident Warden of the hostel of Senior Science student (1973-1975).
- Secretary, University of Khartoum Club. (1974).
- Adviser, Science Society of the Faculty of Sciences (1973- 1979 and 1980-1982).
- Organization and preparations of the Faculty Day.
- In charge of the library of Botany Department (1973-1974).
- Development Officer – Botany department (1974 – 1975).
- Time – table officer and examination officer- Botany Dept. (1976-1977).
- Member of Faculty Board of Science (1974 – 1975).
- Elected member of the Personnel Committee University of Khartoum.

- Secretary of the Faculty Research Board of the Faculty of Science (1977 -1979 and 1980 – 1982).
- Representative of the Botany Department in; and of the Board of the Applied Nuclear Science Laboratory.
- Co- opted member of the Board of the Faculty of Science (1982).
- Assistant Chief Examiner in Biology Sudan School certificate 1976-1977,1977-1978, 1978-1979, 1979-1980,1980-1981,1981-1982.
- Member of specialist 's panel for the assessment of the biology results- Sudan School certificate.
- Local Examiner in Biology – Advanced level (Practical)- university of London.
- Member of the Examintion Committee Faculty of Science (October1982).
- Head department of Biological Sciences, Faculty of Education, University of Um Al Qura, K. S. A.(1993-1995).
- Chairman of Examination and Time-table Committee, Faculty of Education, University of Um Al Qura, K.S.A (1989-1994).
- Head department of Botany U of K (2001).
- Deputy Dean Faculty of Science U of K for Academic affairs (2003).
- Deputy Dean Faculty of Science U of K (2003).
- Dean Faculty of Science U of k (2005-2009).
- Member of the Graduate collage Board (2003-2005).
- Member (co-opted) for the Faculties of Medicine, Dentistry, Pharmacy, Veterinary science and Public and Environmental Health (2005-2009).
- Member of the Senate U of k (2001-2009).
- Member of Examination and Prizes committee U of K (2003-2005)
- Member of the Admission Committee (2005-2009)
- External and Internal examiner for graduate and Post graduate Student.

- Exam member of the Arab Science Faculties in may capacity Dean of science and participated in conferences in Al Fatih University- Lybia, Tayba University Kingdom of Saudi Arabia and Neelen University, Sudan.

## Publications

1. The effect of dimethyl amino succinamic acid on the growth of Vicia faba. Modification of vegetative development. Flowering and fruiting broad beans by N- Dimethyl amino succinamic acid. M.E. Younis and E.E. ElNur.
2. M.D. Elkhalfa and E.E. ElNur. Crown – gall on Castor Bean Leaves. Crown-gall bio – assay on primary castor bean leaves. *AngewBotanik* XLIV: 29-37 (1970).
3. M.D. ElKhalfa, E. E. ElNur, Barbara B. Lippincott and James A. Lippincott. Crown- gall on Castor bean leaves. II. Secondary crown-gall tumors on castor bean leaves. *Journal of experimental botany*. Vol-24, No.83 1117-29(1973).
4. E. E. Elnur and M. D. Elkhalfa effect of light on tumor formation *AngewBotanik* (1975). Vol.49, 109-114.
5. E. E. Elnur M.D. Elkhalfa on the Extraction and separation of Nucleic Acids normal and timorous caster bean tissues. *AngewBotanik* 50,307-309 (1976).
6. A paper about secondary tumors read at the annual meeting of the American Association of plant Physiology Midwest section.
7. Text book in biology for the third class secondary high schools (in collaboration with others)First edition 1977. (In collaboration with others).
8. Antibacterial, antiviral, activities and phytochemical screening of some Sudanese medicinal plants. *Eurasian J. of science* 4 (2010).
9. Bio active Natural Products from Two Sudanese Medicinal plants, *Diospyrus* and *Croton Zambesicus*. *Records of Natural Products Journal*.3:4 (2009)J. ElTaheir Mohamed, E.E. Elnur and others.
10. An Effective protocol for Callus Induction with Milk clotting Activity from *Solanumdubium* seed. Read at the second UK-M- UI Joint seminar (2011) F. M. shah, E. E. Elnur and others.
11. A book on phytochemical Analysis of some Sudanese Medicinal Plants (co-author). Lambert Academic publishing company 2012.Ietidell Moran and ElbushraElnur.
12. AhlamSir Elkhateim Mohamed, ElBushraElsheikhElnur and Mohammed Rahamtalla (2013). Phytoremediation of Tannery. Waste water contaminated with chromium. *Industrial Research Journal*.
13. AhlamSir Elkhateim Mohamed and ElBushraElsheikhElnur. Accumulation of Cobalt , Molybdenum and zinc by *Zea mays*, *Prosopis chilensis* and *Calotropis procera* plants grown in contaminated soil in the vicinity Khartoum Tannery. *Industrial Research Journal* (2014)
14. HajarElzein El Hassan, Abdel Wahab Hassan Abdalla and ElBushraElsheikhElnur. Effect of chromium Antioxidant Enzyme Activity in some *Sorghum bicolor* L. genotypes. *International Journal of sciences Technology Research* Vol.3 issue 3(2014).
15. HajarElzein El Hassan, Abdel Wahab Hassan Abdalla and ElBushraElsheikhElnurApaper on Effect of the chromium on Sorghum , Read at the 5<sup>th</sup> International Environment Conference at Damietta university of science Egypt (2015)

