

CIRRICLUM VITEA:

General:

Date of Birth : 1964
Nationality : Sudanese
Marital Status : Married
Present Address : Department of Biology, Faculty of Science, King Faisal University,
KSA.
Occupation : Assistant professor

Qualifications:

- Ph.D. Botany (Genetics), University of Khartoum, Sudan, 2007.
- M.Sc. Botany (Genetics), University of Khartoum, 2000.
- B.Sc.(Hons.) Botany, University of Khartoum, 1984.

Language

- Arabic (Mother Tongue)
- English (Pre- and Post Graduate Learning Language)

Employment:

1985-1986 : Prospector Assistant, Pasture and Forage Administration, Ministry of
Agriculture, Sudan.
1987-2001 : Teaching Assistant, Botany Dept, Faculty of Science, University of Khartoum.
2002-2007 : Lecturer, Botany Dept., Faculty of Science, University of Khartoum.
2007-2009: Associate Professor, Botany Dept., Faculty of Science, University of Khartoum.
2009 to date: Assistant professor, Department of Biology, Faculty of Science, King Faisal University,
KSA.

Title of M. Sc. Thesis

Karyotypic Analysis of Guar (*Cyamopsis tetragonoloba*) Chromosomes

Title of Ph. D. Thesis

Induced Mutations in Guar (*Cyamopsis tetragonoloba*) Using Gamma Rays and Sodium Azide

Post Doctoral Research Period

On Molecular Biology and Plant Tissue Culture and Biotechnology Techniques, from
1st June to 30th December, International Center for Chemical and Biological Sciences,
University of Karachi, Pakistan. The studies were on "Development of Embryogenic
Callus of Banana" and "Genetic Diversity Among the Different Varieties of Celosia"

Scientific visit

On Theoretical and Practical Training in Molecular Biology, Biology and Chemistry
Departments, Faculty of Science, University of Ankara, Turkey.

Training Courses

Training Course on Computer, Windows Operation and Lotus 123, from 18-3 to 18-
6\1995, Faculty of Mathmatical Sciences, University of Khartoum, Sudan.

Training Course on Education Sciences from 27\11 to 23\12\1995, Staff Members
Training Center, University of Khartoum.

Contribution to Conferences and Workshops

- The First Scientific Conference, Khartoum, Sudan, 25th – 28th January, 1993, Organized by National Centre for Research.
- The Second Scientific Conference, Khartoum, Sudan, 21st – 24th January, 1995.
- Conference on Medicinal Plants and Herbs in the Arab Region, Khartoum, Sudan, 25th – 27th November, 1997, Organized by Arab Union of Councils of Scientific Research & National Centre for Research.
- The First Symposium on Genetic Engineering Khartoum, Sudan, 14th July, 1999, Organized by Sudan Institute for Natural Sciences.
- Workshop on Biodiversity in the Sudan, Khartoum, Sudan, 29th August, 2002, Organized by Sudan Institute for Natural Sciences.
- Workshop on Medicinal and Aromatic Plants, Local Manufacturing and Production, Khartoum, Sudan, 7th – 8th January, 2002, Organized by Directorate of Medicinal Plants and Traditional Medicine, General Directorate of Pharmacy, Federal Ministry of Health.
- 11th International Symposium on Natural Products Chemistry, 29th October -1st November 2008, Karachi University, Pakistan.
- The 25th Meeting of the Saudi Biological Society Title: Nano Technology in Life Sciences, 11-13 May 2010, King Faisal University, Al-Ahsa, KSA.

Contributions to Research:

- Establishment of Tissue Culture Laboratory (in collaboration with the Head of the Department), Department of Botany, Faculty of Science, University of Khartoum, 2009.
- Establishment of Molecular Biology Laboratory (in collaboration with the Head of the Department), Department of Botany, Faculty of Science, University of Khartoum, 2006.
- supervision of several honors students graduation projects (in the period 2002-2009), Department of Botany, Faculty of Science, University of Khartoum.
- Secretary of Examination and Time table officer, Botany Department, U. of K, 2004-2005

Current Research Interest

- 1-Improvement of date palm cultivars through induced mutation and gene manipulation
- 2-Embryogenic callus and cell suspension of banana (*Musa spp.*)
Characterization of the genetic constitution of date palm cultivars in Saudi Arabia and Sudan
- 3-Micropropagation of Black mulberry (*Morus nigra L.*)

Membership of Scientific Associations

- Member of Sudanese Natural Heritage Society.
- Member of Sudanese Environment Conservation
- Member of Sudanese Association for Scientific Equipments Users (SASEU)
- Member of Saudi Biological Society

Publications

- Hag El Amin, O. A. and Abdella, A. H. (2003). Karyotypic studies in the genus *Cyamopsis*. Sudan J. Basic Sci (Series B) Biological Sciences, 3: 9-21.

Research Papers under preparation

- Development of callus from scalp and scale leaves of banana Busari cultivars (*Musa* sp. AAA group)
- Influence of induced mutation on yield components of guar (*Cyamopsis tetragonoloba*)
- Induction of variability in the agronomical traits of guar (*Cyamopsis tetragonoloba*)
- Effect of gamma rays and sodium azide on seeds and pollen fertility of guar (*Cyamopsis tetragonoloba*)