

Curriculum Vitae

Full Name: Salah Babiker Bakhiet Hamid

Date and Place of Birth: February 5, 1954. Rufaa

Marital Status: Married and father of five.

Address: Agricultural Research Corporation
Horticultural Research Centre
P.O. Box: 30 – Shambat - Khartoum North - Sudan

Present Position: National Manager of the CFC banana funded project (since 2008) at Horticulture Sector Administration-Ministry of Agriculture and Irrigation – Khartoum Sudan.
Associate Professor of fruit agronomy working for the ARC Sudan.

Academic Qualifications PhD. Horticulture – Pomology ‘Evaluation of Introduced Cavendish Banana (*Musa* AAA) Clones Grown at Kassala, Sudan’, 2006. University of Gezira, at the National Institute for the Promotion of Horticultural Exports.
M.Sc. Horticulture - Pomology ‘Response of banana plant to different cultural practices in the Sudan’ 1995. University of Khartoum, at the Faculty of Agriculture.
B.Sc. Agriculture – Genetics 1981. University of Alexandria, Egypt.

Appointment Joined the ARC in the year 1995 as a researcher on the field of fruit research (Pomology), following 13 years of work for the Sudan Gezira Board as inspector of field and horticultural crops.
Appointed Kassala and Gash Agricultural Research Station Manager since 1996.
Promoted to Assistant Professor in 2002.
Promoted to Associate Professor in 2006.
Joined a project under the title: promotion of exports of organic banana production from Sudan and Ethiopia, as the National Project Manager in 2008.

Research Activities Banana organic trials in Sudan for banana export to Europe (2011).
Impact of single plant selection on banana improvement (2006).
Effect of K level on yield and fruit quality of banana (2006).
Collection of citrus cultivars in central Sudan (2006).
Effect of irrigation and hoeing intervals on lime seedling production under nursery conditions (2006).
Germination of Mango seeds as influenced by time to planting seed after fruit ripening (2006).
Influence of the number of suckers per planting hole on growth and yield of banana plant (2004).

Effect of planting distance (spacing) on growth and yield of banana (2004).

Tillage for soil moisture conservation, weed control and crop yield maximization in the Gash Delta (2004).

Screening of banana cultivars and mutant clones for resistance/tolerance to plant parasitic nematodes (2002).

Evaluation study for five new banana cultivars introduced from South Africa (1999).

Effect of conventional planting material on growth and yield of banana (1997).

Experiment for comparing some selected banana clones (1996).

Effect of planting depth on growth and yield of banana plant (1996).

Preliminary observations on fruitfly in the Gash Delta and Gezira (1996).

Evaluation of new banana clones (1995).

Research Achievements

Participation, together with other colleagues, in the release of scarifying and harrowing seedbed preparation in the Gash Delta. Proceedings of the crop husbandry committee, June, 2008. ARC, Wad Medani, Sudan.

Participation, together with other colleagues, in the release of a new clone of irradiated banana cultivar (Williams) with a high yield potential. Proceedings of the varieties release committee, February 2003. Khartoum, Sudan.

Release of 60 cm planting depth, together with planting material recommendation for banana plant. Proceedings of the crop husbandry committee, January 2003. ARC, Wad Medani, Sudan.

Participation, together with Dr. M. A. Ali, in the **release** of a new banana cultivar (Grand Nain) to Sudan. Proceedings of the varieties release committee, October 2001. Khartoum, Sudan.

Supervision and Exams

I have acted as supervisor and co-supervisor for students working towards research degrees (M.Sc. and PhD):

Co-supervisor for a PhD student working on evaluation and characterization of local banana plants collected from different banana growing areas. In Plant Genetic Resources, Sudan Academy of Science (2007).

Supervisor for an MSc student working on evaluation of new introduced banana cultivars grown in Kassala area. In Sudan Academy of Science (2009).

Co-supervisor for a PhD student working on evaluation of two banana varieties and post harvest traits for fruit quality improvement. In horticulture department at the University of Khartoum (2011)

I have acted as External Examiner for postgraduate degrees at the Omdurman Islamic University and Sudan Academy of Science (SAS):

External examiner for an MSc student working on evaluation

study for post harvest organic banana fruits grown in Singa and Kassala. In food science and technology, Sudan Academy of Science (2011).

External examiner for an MSc student working on using bee honey as a carbon source for banana tissue culture propagation medium. In Oumdrman Islamic University (2012).

Publications

Field evaluation of Cavendish banana (*Musa* AAA) cultivars and clones. **Salah Babiker Bakhiet** and Mohamed Ahmed Ali. *Sudan J. Agric. Res.*, 9, 17-23. (2007).

Effect of different planting materials on crop cycle duration, growth and yield of Dwarf Cavendish banana (*Musa* AAA). **Salah Babiker Bakhiet**. *Sudan J. Agric. Res.*, 8, 197-199. (2007).

Effect of planting depth on crop cycle duration and yield. **S. B. Bakhiet** and G. A. A. Elbadri. *INFOMUSA* Vol: 13 (1), 12-14. (2003).

Effect of Nitrogen and Potassium on growth and yield of banana plants. Farouk Hassan Eltahir and **Salah Babiker Bakhiet**. *U. of K. Agric. Sci.* 7 (2) 1999.

Preliminary observations on fruitfly in the Gash Delta and Gezira. C. M. Beije, **S. B. Bakhiet**, A. Elhassan and H. O. Mohamed. *Integrated Pest Management in Vegetables, Wheat and Cotton in the Sudan: A participatory approach*. Edited by Z. T. Dabrowski, 1997. Wad Medani, Sudan.

Response of banana plant to different planting systems. **Salah Babiker Bakhiet** and Farouk H. Eltahir. *Agricultural Research Colloquim '12th' ABSTRACTS*. 1996. Wad Medani, Sudan.

Symposia Conferences

and Attendance and participation in the annual Banana Research Network for Eastern and Southern Africa (BARNESA) steering committee meetings in: Uganda (Kampala, 2013) Burundi (Bujumbura, 2011) Uganda (Entebbe, 2008), Rwanda (Butare, 2005), Ethiopia (Addis Ababa, 2004), Kenya (Nairobi, 2003) and Tanzania (Zanzibar, 2001).

Attendance and participation in the International workshop for dissemination of the CFC projects through the production of exports fruits. Mexico, Tuxtla in Chiapas region – November, 17-21 2010.

Attendance and participation in the Seminar on Role of Commodities in Development and CFC Governing council meeting – The Netherlands, December, 14-16 2009.

Attendance and participation in the Crop Husbandry Committee meeting (Wad Medani, January 2003). Presented 2 papers: 'Effect of planting depth on crop cycle duration and yield of banana', and 'Effect of planting material on crop cycle duration, growth and yield of banana'.

Attendance and participation in the Varieties Release Committee meeting (Khartoum, October 2001), with a paper presented by Dr. M. A. Ali 'Irradiated clones of the banana

cultivar Williams recommended for release for Kassala area’.

Participation, together with other colleagues, in the Varieties Release Committee meeting (Khartoum, February 2003), with a paper presented by Dr. M. A. Ali ‘A new clone of irradiated banana cultivar Williams with a high yield potential.

Participation in the workshop for the ‘Local Innovations of Farmers and Nomads’. Presented a paper on: The local innovations in the fields of agriculture – the case of Kassala State (Kassala, April 2005). (In Arabic).

Participation in the Training Workshop on Participatory Decision Making. Presented a paper on: Agricultural Resources of Kassala State and their Marketing Channels. (Khartoum, February 19, 2006). (In Arabic).

Participation in the Marketing Policy Formulation and Analysis Training Workshop. Presented Background paper Eastern Sudan. (Khartoum, February 20, 2006). (In Arabic).

Annual Workshop for the Year 2005 executions of the Project.

Visits:

Pakistan (2011). The invitation was from Frontier Work Organization (FWO) in Pakistan to Zadna Co. in Sudan to visit the Mango Research Centre, Ayub Agricultural Research Institute and the University of Agriculture in Faisalabad.

Ethiopia (2009). The invitation was from the Ethiopian Horticulture Development Agency to allow me reflecting the Sudan experience on the CFC funded banana project.

South Africa (2008). The invitation was from Du Roi laboratory for producing elite tissue culture cultivars of banana plant.

Germany-Berlin, Fair Fruitlogistica 8-10 February 2012. The invitation was from Port International Co. in Hamburg to visit fresh fruits and vegetables fair in Berlin, Germany.

Peru (South America) and Holland – invitation from CFC and TASTE in Holland to view the banana farming associations; export industry to Europe and loading and unloading for the banana boxes.

On-job training

Attendance and participation in the BARNESA Proposal Writing Workshop (How to write a winning proposal?) held at Addis Ababa (7-10/9/2004).

Attendance and participation in the BARNESA Monitoring and Evaluation Training Course held at ISAR, Roubona, Rwanda (19-21/9/2005).

I have acted as a principle trainer for extension staff and farmers on nursery management and field establishment of fruit trees at the States of Blue Nile (2009), River Nile and Kassala (2011).

Studies

Gash Sustainable livelihood Rehabilitation Project (GSLRP) in the Gash Delta. Presented a paper on the results of the research work that funded by the GSLRP. (Kassala, January 2006). (In Arabic).

Physical Progress Report and Output of the GSLRP Program on the Station Research Activities. Summary of the annual research activities presented to IFAD mission (Kassala, November 2005).

Participation in the study of the Rehabilitation of the Gash Project – Base Line Information (September, 2002). (In Arabic).

Justifications study for crop low yields in rain fed and the Gash areas. Technical committee. A single copy report presented to the Minister of Agriculture of Kassala State. (Kassala, June 2004).

Study translation from English to Arabic for Bioersity International on the Illustrated Guide: Key practices for dessert banana, plantain and cooking banana (2013)

Presented Lectures

Quality improvement of banana fruits for local and export markets. A lecture presented to the banana sector representatives (Khartoum, April 2014). (In Arabic).

Export opportunities for horticultural crops in Sudan. A lecture presented at the third expedition of Agriculture in Gadaref State (December 2013) In Arabic.

Pre and post harvest techniques on Banana. A lecture presented to banana sector representatives (Sinnar University-Abu Neamah, December, 2010). (In Arabic).

Banana improvement in Kassala area. A lecture presented to banana growers and extension staff in Kassala. (August, 2005). (In Arabic).

Marketing. A partial lecture presented to Awadat farmers, on the training course organized by MAAI of Kassala State. (October, 2005) (In Arabic).

Languages

| | Speaking | Reading | Writing |
|----------|-----------|-----------|-----------|
| Arabic: | Very good | Excellent | Very good |
| English: | Very Good | Excellent | Very good |

Commuting

Word Processing: Excellent
 Excel: Very Good
 Power point: Excellent
 Statistical Packages: Mstat-C: Very Good.
 Internet communication: Excellent