

## Personal Details

<i>Name</i>	FAISAL ELGASIM AHMED
<i>Date of Birth</i>	January 1960
<i>Place of Birth</i>	Medani, Sudan
<i>Gender</i>	Male
<i>Marital Status</i>	Married
<i>Nationality</i>	Sudanese
<i>Academic Status</i>	Professor
<i>Department</i>	Agronomy
<i>Faculty</i>	Agriculture
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## Qualifications

<i>Degree</i>	<i>Awarding Body</i>	<i>Country</i>	<i>Date</i>
B.Sc.	University of Khartoum, Faculty of Agriculture	Sudan	September 1983
M.Sc.	University of Khartoum, Faculty of Agriculture	Sudan	March 1987
Ph.D.	University of California- Riverside	USA	June 1992

## Academic Appointments

<i>Date</i>	<i>Position</i>
1985 – 1987	Teaching Assistant, Department of Agronomy, Faculty of Agriculture, University of Khartoum, Sudan.
1987 – 1992	Research Assistant, Department of Botany and Plant Science, University of California-Riverside, California, USA
1992 – 2002	Assistant Professor, Department of Agronomy, Faculty of Agriculture, University of Khartoum, Sudan.
2002 – Now	Associate Professor, Department of Agronomy, Faculty of Agriculture, University of Khartoum, Sudan.

## Academic Appointment Experience

<i>Date</i>	<i>Position</i>
1985 – 1987	Teaching Assistant, Faculty of Agriculture-University of Khartoum. Tutoring all undergraduate courses offered in the Department of Agronomy. Teaching of the following undergraduate courses at the Department of Agronomy, Faculty of Agriculture-University of Khartoum: 1. Crop Physiology (1992-present) 2. Water Relations of Plant (1992-present). 3. Seed Physiology (1992-present). 4. Principles of Crop Production (2004-present). 5. Land use (1992-1996).
1992 – present	Teaching of the following postgraduate courses for M.Sc. students <b>a) Crop production Program:</b> 1. Environmental Plant Physiology. 2. Physiology of Plant Growth and Development. 3- Advanced Water Relations of Plant 08). <b>b) Desert and Desert Cultivation Studies Program:</b> 1. Crop Production under Stress Environment
2001-present	Teaching of the following undergraduate courses at other Sudanese Universities: 1. Water Relations of Plant. Faculty of Agriculture and Natural Resources, Bakhat el Ruda University. 2. Plant Physiology. Faculty of Agriculture and Natural Resources, Bakhat el Ruda University.
1996-2000	

## Special Interest

The physiological response of crops to water stress, temperature, carbon dioxide enrichment, light, salinity ... etc

## Awards

<i>Award</i>	<i>Awarding Body</i>	<i>Country</i>	<i>Date</i>
Shell Scholarship Prize for Best Student	University of Khartoum	Sudan	1980
Abu Gasim Shield Prize for Best Student in Practical Agriculture	University of Khartoum	Sudan	1983
Outstanding Achievement in Agricultural Science	The Honour Society of Agriculture, University of California-Riverside	USA	1990

## Scholarships

<i>Awarding Body</i>	<i>Country</i>	<i>Date</i>
DAAD	Germany	1985
UC-Riverside	USA	1990

## Administrative Responsibilities

<i>Date</i>	<i>Position</i>
1992-1995	Secretary of the Departmental Board, Department of Agronomy, Faculty of Agriculture, University of Khartoum.
1995-1998	Coordinator of Desert Affected Soils Unit, DADCSC.
1994-1998	Director, Demonstration Farm of the Faculty of Agriculture, University of Khartoum
1998-2002	Head, Department of Agronomy, Faculty of Agriculture, University of Khartoum.
1998-2004	Coordinator, Faculty of Agriculture Research and Training Farm
2010-Now	Human Resources Manager

## Teaching & Examination Experience

### Postgraduate

<i>Course Title</i>	<i>Credit hours</i>	<i>Semester/year</i>	<i>Faculty</i>
Environmental physiology	3	Second semester	Agriculture
Physiology of plant growth and development	3	Second semester	Agriculture
Crop production under stress environment	2	Second semester	Desert and Desert Cultivation Institute
Advanced water relation of plants	3	First semester	Agriculture

### Undergraduate

<i>Course Title</i>	<i>Credit hours</i>	<i>Semester/year</i>	<i>Faculty</i>
Principles of crop production	3	Second year	Agriculture
Land use	2	Fifth year	Agriculture
Crop physiology	3	Third year	Agriculture
Water relation of plants	3	Fourth year	Agriculture
Seed physiology	3	Fifth year	Agriculture
Plant physiology	3	Third year	Agriculture

### Supervision of Research

- 1- Postgraduate Students (M.Sc. )
- 2- Postgraduate Students (Ph.D.)

### • Publications List

- 1 Ibrahim, A.E. and **Ahmed, F.E.** (1990). Effect of harvest timing and pod position on the quality of soybean seed. Sudan Agricultural Journal, 15:1 – 16.
- 2 **Ahmed, F.E.**; Hall, A.E. and DeMason, D.A. (1992). Heat injury during floral

development in cowpea (*Vigna unguiculata*). American Journal of Botany, 79:784 – 791.

3      **Ahmed, F.E.** and Hall, A.E. (1993). Heat injury during early floral bud development in cowpea (*Vigna unguiculata*). Crop Science, 33:764 – 767.

4      **Ahmed, F.E.**; Hall, A.E. and Madore, M.A. (1993). Interactive effects of high temperature and elevated carbon dioxide concentration on cowpea (*Vigna unguiculata*). Plant, Cell and Environment, 16:835 – 842.

5      **Ahmed, F.E.**; Mutters, R.G. and Hall, A. E. (1993). [Interactive effects of high temperature and light quality on floral bud development in cowpea \(\*Vigna unguiculata\*\)](#). Australian Journal of Plant Physiology, 20:661 – 667.

6      **Ahmed, F. E.** and El Hag, H. A. (1999). Effects of watering intervals and sowing time on yield of maize (*Zea mays* L.). University of Khartoum Journal of Agricultural Sciences, 7(1): 20 – 32.

7      **Ahmed, F.E.** and Abdelbagi, A. A. (1999). Low light timing effects on reproductive development of faba bean (*Vicia faba*). I-Reproductive abscission. University of Khartoum Journal of Agricultural Sciences, 7(1): 60 – 70

8      **Ahmed, F. E.**; Yagoub, S. O. and Elsheikh, E. A. E. (2000). Effects of mycorrhizal inoculation and phosphorus application on the nodulation, mycorrhizal infection and yield components of faba bean grown under two different watering regimes. University of Khartoum Journal of Agricultural Sciences, 8(2): 107-117.

9      **Ahmed, F. E.** (2002). Water stress and genotype effects on yield and seed quality in maize. University of Khartoum Journal of Agricultural Sciences, 10(2): 432 – 444.

10     **Ahmed, F. E.**; Abdel Bagi, AA; Hago, TEM and **Ahmed, F.E.** (2002). Chemical composition of roselle (*Hibiscus sabdariffa* var. *sabdariffa* L.) as affected by genotype, nitrogen, phosphorus and sulfur fertilization. University of Khartoum Journal of Agricultural Sciences, 10(2): 198-212.

11     Hago, TEM; Abdel Bagi, A.A. and **Ahmed, F.E.** (2002). Response of roselle (*Hibiscus sabdariffa* var.*sabdariffa* L.) to nitrogen, phosphorus and sulfur under summer and winter sowing. University of Khartoum Journal of Agricultural Sciences, 10(1):40-52.

12     Ahmed, A.H; Ahmed, M. F.; Burhan, H.O. and **Ahmed, F.E.** (2005). Effect of Nitrogen Levels on Growth and Yield of Wheat at Different Elevations under Rain-fed Conditions in Jebel Marra Highlands. Proceedings of the Meetings of the National Crop Husbandry Committee 39th pp. 37-49. Agricultural Research Corporation (ARC) – Sudan

13     Ahmed, M. F.; Ahmed, A.H.; Burhan, H.O. and **Ahmed, F.E.** (2005) Effects of Sowing Date on Growth and Yield of Wheat at Different Elevations in Jebel Marra Highlands under Rain-fed Conditions. Proceedings of the Meetings of the National Crop Husbandry Committee 39th pp. 50-62. Agricultural Research Corporation (ARC) – Sudan

14     **Ahmed, F. E.**; Ahmed, B. A. M. and Ahmed, M.F. (2006). Effect of irrigation interval and planting density on seed and oil yield of a sunflower hybrid. University of Khartoum Journal of Agricultural Sciences, 14(3): 343 – 353.

15     Ahmed, M. F.; Shouk, A. K. A. and **Ahmed, F.E.** (2007). Effects of irrigation water quantities and seasonal variation on oil content and fatty acid composition of

sunflower (*Helianthus annuus* L.). Journal of the Science of Food and Agriculture. 87: 1806 – 809.

16 El Mahadi, A. A.; El-Amin, S.M. and **Ahmed, F.E.** (2007). Effect of sowing date on the performance of sesame (*Sesamum indicum* L.) genotypes under irrigation conditions in northern Sudan. African Crop Science Conference Proceedings, 8:1943-1946

17 Abdallah, A. A.; **Ahmed, F.E.** and Omer, M.M. (2008). Effect of Plant Density on the Performance of Two Sesame (*Sesame indicum* L.) Cultivars under Irrigation. University of Khartoum Journal of Agricultural Sciences, 16(1):32-47

18 Suliman, A.H.; Bahar, A.H.; Ismail, M.A. and **Ahmed, F.E.** (2008). Growth and Yield of Pearl millet (*Pennisetum glaucum* L.) Intercropped with Cowpea and Groundnut. University of Khartoum Journal of Agricultural Sciences, 16(3):369-379.

19 Ahmed, M. F.; Ahmed, A.H.; Burhan, H.O. and **Ahmed, F.E.** (2008). Effect of Sowing Date on Growth and Yield of Three Wheat (*Triticum aestivum* L.) Cultivars Grown at Different Elevations in Jebel Marra Highlands under Rainfed Conditions. University of Khartoum Journal of Agricultural Sciences, 16(3):339-351.

20 El Mahadi, A. A.; El-Amin, S.M and **Ahmed, F.E.** (2009). Performance of sesame (*Sesamum indicum* L.) genotypes under irrigation conditions in northern Sudan. Nile Scientific Journal 3:14-28

21 Abusam, S.M.A; **Ahmed, F.E** and Ahmed, E.E.A (2009). The Bases of Gizzu Plants Adaptation to Water-Limited Environment in North Darfur State, Sudan. I. Plant Types and Morphological Adaptations. Sudan Journal of Desertification Research 1(1):88-108.

22 **Ahmed, F.E**; Abdallah, A. A and Omer, M.M. (2009). Effect of Sowing Date on the Performance of Two Sesame (*Sesamum indicum* L.) Cultivars under Irrigation at Kennana, Sudan. University of Khartoum Journal of Agricultural Sciences, 17(2):156-166

23 El Mahadi, A. A and **Ahmed, F.E.** (2009). Interactive Effect of Plant Density and Nitrogen Level on Growth and Yield of Sesame under Irrigation in Northern Sudan. University of Khartoum Journal of Agricultural Sciences, 17(3):333-343

24 **Ahmed, F.E**; Ismail, M.A.; Bahar, A.H. and Suliman, A.H. (2009). Performance of sorghum (*Sorghum bicolor* L. Moench) plant intercropped with Cowpea and Groundnut. Journal of Agro-estimation Scientific Agency (Jagresca), (1):96-109

25 **Ahmed, F.E**; Abussam, S.M.A; and Ahmed, E.E.A. (2010). [The Bases of \*Blepharis spp\* Adaptation to Water-Limited Environment](#). Asian Journal of Crop Science 2(1):12-19

26 **Ahmed, F.E.** and Suliman, A. H. (2010). [Effect of Water Stress Applied at Different Stages of Growth on Seed Yield and Water-use efficiency of Cowpea](#). Agriculture and Biology Journal of North America 1(4): 534-540

27 Suliman, A. H. and **Ahmed, F.E.** (2010). Effect of Water Potentials on Growth and Yield of Cowpea (*Vigna Unguiculata* [L] Walp). Research Journal of Agriculture and Biological Sciences 6(4): 401-410

28 **Ahmed, F.E.** and Mohamed, Z.I. (2010). Effect of Magnetized Water and Seeds on Growth and Yield of Sesame (*Sesamum indicum* L.) under Irrigation. University of Khartoum Journal of Agricultural Sciences, 18(3), 276-289

29 **Ahmed, F. E.** (2010). Response of crops to abiotic stresses (in Arabic). Journal of Agroestimation Scientific Agency. 2:46-58

30 Naim, A.H. and **Ahmed, F. E.** (2011). Interactive effect of Temperature and Water Stress Induced by PEG on Germination and Early Seedling Growth of Two Chickpea (*Cicer arietinum* L.) cultivars. Turkish journal of agriculture and forestry (in press).

31 **Ahmed, F.E.** and Hussein, A. O. A. (2011). Genotype X Seed Production Environment Interaction on the Performance of Sorghum (*Sorghum bicolor* [L.] Moench) under Irrigation. Agriculture and Biology Journal of North America. 2(4):610-615

32 **Ahmed, F.E.**; Haroon, S.A. and Mahdi, A.A. (2010). Effect of Phosphorus, Nitrogen and some Cultural Practices on Mycorrhizal Infection. University of Khartoum Journal of Agricultural Sciences, (submitted)

33 **Ahmed, F.E.** and Herika, F. M. I. (2011). Reducing Plant Density Response of Faba Bean (*Vicia faba* L.) with Decapitation. University of Khartoum Journal of Agricultural Sciences (submitted)

34 **Ahmed, F.E.** and Alsamany, D. A. (2011). Interactive effect of nitrogen fertilization and rhizobium inoculation on nodulation and yield of soybean (*Glycine max* (L.) Merrill.) University of Khartoum Journal of Agricultural Sciences (submitted)

35 Naim, A.H. and **Ahmed, F. E.** (2011). Variation in parameters of the thermal time model between two contrasting chickpea cultivars. Turkish Journal of Agriculture and Forestry (submitted)

## Textbooks or Book – chapter

**Faisal E. Ahmed** and E. E. Ali. (2007). Crop Production under Stress Environment. University of Khartoum Press.

**Faisal E. Ahmed.** (2010). Seed Production and Technology Training Manuals for Food and Agriculture Organization (FAO). A Training Course held in Four States in Northern Sudan. 57 pp.

## Journal Referee

Journal	Date
University of Khartoum Journal of Agricultural Sciences,	1992
Journal of the Science of Food and Agriculture	2006
Agriculture and Biology Journal of North America	2009