

Personal Details

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| <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 |
| <i>E. mail</i> | E-mail: Fgahmed2005@ yahoo.com |
| <i>Fax no.</i> | Fax: + 294-185-325638 |

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. |
| 1992 – present | 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). Teaching of the following postgraduate courses for M.Sc. students a) Crop production Program: 1. Environmental Plant Physiology. 2. Physiology of Plant Growth and Development. 3- Advanced Water Relations of Plant (08). b) Desert and Desert Cultivation Studies Program: 1. Crop Production under Stress Environment |
| 2001-present | |
| 1996-2000 | 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. |

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 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
- Naim, A.H. and **Ahmed, F. E.** (2011). Interactive effect of Temperature and Water
- 30 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).
- Ahmed, F.E.** and Hussein, A. O. A. (2011). Genotype X Seed Production
- 31 Environment Interaction on the Performance of Sorghum (*Sorghum bicolor* [L.] Moench) under Irrigation. Agriculture and Biology Journal of North America. 2(4):610-615
- Ahmed, F.E.;** Haroon, S.A. and Mahdi, A.A. (2010). Effect of Phosphorus, Nitrogen
- 32 and some Cultural Practices on Mycorrhizal Infection. University of Khartoum Journal of Agricultural Sciences, (submitted)
- Ahmed, F.E.** and Herika, F. M. I. (2011). Reducing Plant Density Response of Faba
- 33 Bean (*Vicia faba* L.) with Decapitation. University of Khartoum Journal of Agricultural Sciences (submitted)
- Ahmed, F.E.** and Alsamany, D. A. (2011). Interactive effect of nitrogen fertilization
- 34 and rhizobium inoculation on nodulation and yield of soybean (*Glycine max* (L.) Merrill.) University of Khartoum Journal of Agricultural Sciences (submitted)
- Naim, A.H. and **Ahmed, F. E.** (2011). Variation in parameters of the thermal time
- 35 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 |