Curriculum Vitae

Sure name: Nile

First name (s): Eltayeb Sulieman

Date of birth: 1969

Place of birth: Omdurman (Gamoea) Sudan

Sex: Male

Nationality: Sudanese

Marital status: Single

Languages: Arabic (Mother tongue), English Fair (Proficiency)

Address: Soil-Plant-Atmosphere Continuum Research Unit, Agrometeorology discipline, School of Earth, agriculture and Environmental Sciences, University of KwaZulu-Natal, Pietermaritzburg, 3201 South Africa

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Academic Qualifications

- PhD. Agrometeorology, Soil-Plant-Atmosphere Continuum Research Unit, School of Environmental sciences, University of KwaZulu-Natal, South Africa, 2010, Thesis Topic: **Sensible heat flux estimation under unstable conditions for Sugarcane using temperature variance and surface renewal.**
- M.Sc. Agric. (Crop production), Dept. of Agronomy, Faculty of Agriculture, University of Khartoum, Sudan, 2003, **Thesis Topic: Effect of water stress on the Sesame growth and Development.**
- B.Sc. (Agric.) Honours Division One, Dept. of Agronomy, Faculty of Agriculture, University of Khartoum, Sudan, 1999.

Training Courses

- Training course in Management, Technology and Sources of Agricultural Information, Agricultural Training and Community Development Unit, Faculty of Agriculture, University of Khartoum, July 2005.

- Training in Teaching Methods and Syllabus Design, Academic Development Center, Faculty of Education, University of Khartoum, 21/8 –11/9/2004.
- Training in Agrometeorology and Environmental Biophysics, School of Environmental Sciences, University of KwaZulu-Natal, South Africa.
- Training in Automatic Weather Station and Environmental Instrumentation, School of Environmental Sciences, University of KwaZulu-Natal, South Africa.
- Training in Micrometeorological Tools for Evaporation Monitoring for Water Resources Management, School of Environmental Sciences, University of KwaZulu-Natal, South Africa, 17 -21 July 2006.

Prizes and Awards

- Arab Organization for Agricultural Development Prize for the best fourth year student in 1998.
- Arab Organization for Agricultural Development Prize for the best final year student in Agronomy 1999.
- Kenana sugarcane company prize for the best academic performance in the course of sugarcane and tuber crops.
- The Sudanese Agricultural Bank Prize for the best student in the fifth year of dept. of Agronomy.
- Scholarship awarded by DAAD (the German Academic Exchange Service) for M.Sc. study, 2000.
- Scholarship awarded by Ministry of Higher Education, Sudan for PhD study, 2006.
- Postdoctoral Fellowship awarded by University of KwaZulu-Natal for Postdoctoral, January- June 2010.

Main Research Fields

- Agrometeorology
- Evaporation measurement studies
- Research on systems for the measurement and modeling of surface energy and water transport and radiation in the soil-plant-atmosphere system
- Flood warning

Current Research

Measurement of evaporation and energy balance components for Soybean and Maize crops using different micrometeorological techniques.

Academic Appointments

- 2011 to date Assistant Professor, Department of agronomy, Faculty of Agriculture, University of Khartoum, Sudan
- 2010 (Jan to Jun): Postdoctoral researcher, School of Environmental Sciences, University of KwaZulu-Natal, Pietermaritzburg, South Africa
- 2006 -2010: Studying for the PhD at South Africa (University of KwaZulu-Natal), and still was employed as Lecturer at Department of Agronomy, Faculty of Agriculture, University of Khartoum.
- 2004-2006: Lecturer, Department of Agronomy, Faculty of Agriculture, University of Khartoum, Sudan.

- 1999-2004: Teaching Assistant, Department of Agronomy, Faculty of Agriculture, University of Khartoum, Sudan

Teaching Experience

- Lecturing Environmental science and Soil water conservation courses, fourth year students, Faculty of Agriculture, University of Khartoum, Sudan
- Practical classes in Agronomy (B.Sc.), Faculty of Agriculture, University of Khartoum, Sudan.

Administrative Appointments

- 2005-2006: Co-coordinator of the seed technology diploma, Deptof Agronomy, Faculty of Agriculture, University of Khartoum.Sudan.
- 2003-2006: Co-Manager of the Demonstration Farm, Faculty ofAgriculture, University of Khartoum, Sudan.
- Member of Examinations Committee, Faculty of Agriculture,University of Khartoum from January 2004 to 2005.
- 2002-2005: Registrar, Faculty of Agriculture, University ofKhartoum, Sudan.

Academic and Professional Memberships

- Member of the Sudanese Agricultural Society.
- Member of the Sudanese Environment Conservation Society.
- Member of the Sudanese Agricultural Engineers Union.
- Member of the Sudanese Agricultural Council.
- Member of the DAAD-Sudanese Alumni

Publications

Nile, E.S., Savage, M.J., 2010. Evaporation estimation using a temperature variance method above sugarcane. South African Combined Congress, 18 - 21 Jan., Bloemfontein, South Africa. Abstract.

Nile, E.S., Savage, M.J., 2009. Flux variance for estimating evaporation above crop canopies: Theory and practice. Proc. 9th African Crop Science Society (ACSS) Conf., 28 Sept.–1 Oct. Cape Town, South Africa. Abstract.

Nile, E.S., Savage, M.J., 2009. Evaluation of surface renewal applied to sugarcane (Saccharum officinarum) for estimating evaporation. 14th South African National Chapter of the International Association for Hydrological Sciences (SANCIAHS) Symposium, 21-23 Sept. Pietermaritzburg, South Africa. Abstract.

Nile, E.S., Savage, M.J., 2008. Estimation of energy balance components and carbon dioxide flux for sugarcane canopy using closed-path Bowen ratio method. Agrometeorology Postgraduate day, 21-23 Sept. Pietermaritzburg, South Africa. Abstract.

PUBLICATIONS IN PREPARATION

Nile, E.S., Savage, M.J., Seasonal variation of sensible heat flux above Sugarcane using temperature variance and surface renewal.

Nile, E.S., Savage, M.J., Sensible heat flux estimation using temperature variance over Sugarcane.

Nile, E.S., Savage, M.J., evaluation of combined dissipation method and surface renewal for estimating sensible heat flux above Sugarcane.

Nile, E.S., Savage, M.J., Sensible heat flux estimation over sparse and dense Sugarcane using surface renewal.

Referees

1. Name: Michael J. Savage

Position: Professor of Agrometeorology

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2. Name: Awadalla Abdalla Abdelmula

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3. Name: Faisal Elgasim Ahmed

Position: Associate Professor

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