

# **Curriculum Vitae**

## **Personal Information**

Name: Daldoum Mohamed Ahmed Daldoum

Nationality: Sudanese

Birth date: 1<sup>st</sup> January 1957

Birthplace: Jebel Marra, Sudan

Academic and job occupation: Associate Professor

Present address: Department of Silviculture, Faculty of Forestry, University of Khartoum, Postal code 13314, Shambat, P.O. Box 32, Khartoum, Sudan, e-mail: [Daldoum01@yahoo.com](mailto:Daldoum01@yahoo.com), +249911251805

## **Degrees Held:**

BSc, Forestry-Honors class 1, University of Khartoum, 1981

DEA, Diplôme d'Etudes Approfondies, University of Nancy 1, France, 1989

PhD, University of Nancy 1, France, 1992

## **Education:**

1989-1992: Ph.D., Soil Sciences, University of Nancy 1, France

1988-1989: MSc, Soil Sciences, University of Nancy 1, France

1987-1988: Soil Science Certificate, University of Nancy 1, France

1986-1987: French Language Certificate, CAVILAM, Vichy, France

1976-1981: BSc Forestry (Honors) University of Khartoum, Sudan

1976: Sudanese Certificate (High Secondary School), Sudan

## **Language Skills:**

English: written and spoken fluently

French: written and spoken fluently

Arabic: written and spoken fluently

## **Work Experience:**

2003-: Associate Professor of Soil Science and Forestry, Department of Silviculture, Faculty of Forestry, University of Khartoum

2000-2003: Coordinator of Desert Combating Unit at the Institute of Desertification and Desert Cultivation Studies, University of Khartoum

1993-2003: Assistant Professor of Soil Science and Forestry, Department of Silviculture, Faculty of Forestry, University of Khartoum

1986-1992: Post-Graduate Student, University of Nancy1 and INRA (Institut National de Recherches Agronomiques), France

1984-1993: Teaching-Assistant, Department of Forestry, Faculty of Agriculture, University of Khartoum

1981-1984: Research-Assistant, Forestry Section, Gezira Research station, Agricultural Research Corporation, Wadi-Madeni, Sudan

1981: Deputy Conservator of Forests, Forestry Administration, Khartoum

## **Administrative Tasks:**

1) Head of examination committee, 1995-1998

2) Faculty board secretary, 2000 – 2005

3) Secretary of the council of silviculture department, 1995 – 2005

4) Acting head of silviculture department - for several times

5) Coordinator of desert combating unit, Institute of Desertification and Desert Cultivation Studies, 2000-, U. of K.

6) Representative of the Faculty of Forestry in the council of libraries, 1996-1999

7) Academic supervision for undergraduate students, for several batches

8) Head Department of Silviculture 2005 –

### **Teaching Experience:**

Have taught the following subjects:

- 1) Forest Soils: Faculty of Forestry and Faculty of Agriculture, U. of K.
- 2) Soil fertility and fertilizers: Faculty of Forestry, U. of K.
- 3) Fundamentals of Soil Sciences: Faculty of Forestry, U. of K. and Faculty of Forestry and Range, Sudan University of Sciences and Technology
- 4) Silvicultural Systems: Faculty of Agriculture, Dept. of Forestry, U. of K.
- 5) Silvicultural Characteristics of Individual Tree Species: Faculty of Agriculture, Department of Forestry, U. of K.
- 6) Agroforestry Systems: Faculty of Forestry, U. of K.
- 7) Forest and Environment: Institute of Desertification and Desert Cultivation Studies, University of Khartoum (Master Degree course).

### **Conferences, Workshops and Training Sessions:**

- 1) International Symposium on Land Resources in Darfur “North Darfur Mega Lake”: A challenge for peace and development. Organized by: Darfur Land Commission and North Darfur State in Collaboration with UNESCO/Cousteau Ecotechnie Chair at Computer Man College. October 29<sup>th</sup> 2008, Khartoum, Sudan.
- 2) Voluntary tools for the implementation and social responsibilities in agriculture and forestry (Winter School, Diploma of Attendance). Organized jointly by the University of Khartoum, Faculty of Forestry, Faculty of Agriculture and University of Padova, Colledge of Agriculture. November 27 – December 02, 2006, Sudan.
- 3) Agroforestry for Dryland Rehabilitation and Development. Faculty of Forestry, University of Khartoum in Collaboration with UNDP-TOKTEN Project, Sudan. Instructor: Mohamed fadl, VITRI/VIKKI Tropical Resources Institute, University of Helsinki, Finland. Coordinator: Dr, Daldoum Mohamed Ahmed. 20 August – 19 September 2006, Khartoum, Sudan.
- 4) North-South exchange program, University of Khartoum, Faculty of Forestry and University of Helsinki, Viiki Tropical Institute, Finland, Helsinki, 1<sup>st</sup> April – 15<sup>th</sup> May 2007.
- 5) National Forum of Scietific Research on Desertification in the Sudan. Personal Contribution: Proposed Plan of Action for Scientific Research on Desertification: Darfur States. Khartoum, 16-18 March 2004. UNESCO Chair of Desertification Studies, University of Khartoum.
- 6) National Symposium on Sustainable Use of the Dry lands of Sudan. University of Khartoum, UNESCO Chair of Desertification Studies, 17<sup>th</sup> June 2008, Khartoum, Sudan.
- 7) Near and Middle East Forestry Forum, Forest National Corporation, Sudan and FAO Forestry Department. June 2006, Khartoum.
- 8) Conference for post-graduate studies and scientific research. Personal Contribution: Regeneration of *Sclerocarya birrea* (A. Rich.) Hochst. Subsp. *birrea* at Rashad Locality in the Nuba Mountains, Sudan. University of Khartoum. Khartoum, Friendship Hall; February 2010
- 9) Work shop on (Resource Person): Agroforestry for Sustainable Land Husbandry and Rehabilitation. Personal contribution titled: Role of tree components in agroforestry systems as nutrient source, soil ameliorator, and crop fertilizer. Wondo Genet College of Forestry Sciences, Republic of Ethiopia, 11/7 – 25/7/2010.
- 10) Work shop on (Resource Person): Blue Nile Watershed Management and Ecosystem Services. Personal contribution titled: Forest Hydrology and Soil water; and Reclamation of Degraded Soils. Venue: Faculty of Forestry, University of Khartoum, Republic of Sudan, 6/6 – 19/6/2011.

### **Miscellaneous:**

- 1) Reviewer for scientific articles, e.g. U. of K. J. Agric. Sci, Sudan Silva
- 2) Member of field evaluation teams for Forest National Corporation
- 3) Syllabi consultations for forestry education
- 4) Greater kordofan forests evaluation member, December 2002, Forest National Corporation

- 5) Compost training for Mabrouka Farmers, November 25-28/2009: Plan Sudan (NGO), Eduem, White Nile State
- 6) Research project: Effects of tree manure as soil amendment and a fertilizer for raising nursery seedlings and juvenile tree establishment in the field. Sponsored by University of Khartoum, 2010.

### **Post-graduate Supervision:**

#### **A-Completed studies:**

- 1) Amira Musa Mohamed Nimer, (2000). Effects of *Acacia senegal* (L., Wild) on sandy soils and assessment of its foliage nutrient content: case study of Damokeya Forest, Northern Kordofan State. Msc thesis, Fac. of Forestry, U. of K. 66p
- 2) Hakim Araba Ameri Ama, (2002). Effects of compost on growth and development of seedlings of some acacias (*A. nilotica*, *A. seyal*, *A. senegal* and *A. tortilis*). Msc thesis, Fac. of Forestry, U. of K, 65p.
- 3) Ahlam Ahmed Mohamed, (2004). Decomposition rate of organic residues of some tree species in vertisols of Shambat area. Msc thesis, Institute of Desertification and Desert Cultivation Studies, U. of K.
- 4) Bashir Awad El Tahir, (2006). Nutrient Balances in Traditional Farming Systems Involving *Acacia senegal* (L., Wild) in Semi-arid Sandy Soils of Northern Kordofan, Sudan. PhD thesis, Fac. of Forestry, U. of K.
- 5) Suhair Mohamed Musa Yousif (2007). Comparison Between The Effects of Mesquite (*Prosopis* sp. L.) Manure And NPK Fertilizer on Fodder Sorghum (*Sorghum bicolor*. L) in Sandy Soil Potting Mixtures. Msc thesis, Msc thesis, Institute of Desertification and Desert Cultivation Studies, U. of K.
- 6) Massaud Mohamed Massaud, (2007). Regeneration and propagation of *Sclerocarya birrea* in Rashad Area at Nuba Mountains – South Kordofan State. Msc thesis, Faculty of Forestry, U. of K.
- 7) Amin Osman Elrasheed Said, (2008). Effects of Wildfires on the Soil Physico-chemical Properties and the Soil Seed Bank in Albaga Area at White Nile State, Sudan. Msc thesis, Faculty of Forestry, U. of K.
- 8) Ghassan Habib Hammad, (2007). Effects of Polythene Bag-size and Soil Types on Seedlings of some Tree Species. Msc thesis, Faculty of Forestry, U. of K.
- 9) Hiba Abdalla Nour Eldeen (2009). The Effect of Seed Origin and Growing Media on Seed Germination and Seedlings Establishment of *Acacia polycantha* Willd – North Kordofan State, Sudan. Msc thesis, Faculty of Forestry, U. of K.
- 10) Ghassan Habib Hammad, (2010). Regeneration and growth of *Acacia senegal* (L.) Wild seedlings in the nursery and in the field as affected by tree manures and NPK fertilizer. PhD thesis, Faculty of Forestry, U. of K.
- 11) Hakim Araba Ameri Ama, (2011). Effects of Soil Types, Polythene Bag Sizes, Irrigation Regimes and Spacing on Growth and Establishment of *Faidherbia albida* Seedlings under Nursery and Field Conditions. PhD thesis, Faculty of Forestry, U. of K.
- 12) Safa Ahmed Ali Abaker, (2013). Effects of Water Harvesting Techniques in Dry Lands on Establishment of *Faidherbia albida* (Del.) A. Chev. Seedlings in Nyala Locality, South Darfur State. Msc thesis, Faculty of Forestry, U. of K.
- 13) Ragwa Bakhet Eltalib Elnashi, (2013). Characterization and Classification of the Soils of Blue Nile Basin Forests South of Fung Region, Sennar State: Case Study of Lembwa and El-Gazair Forests. Msc thesis, Faculty of Forestry, U. of K.

#### **B-Ongoing:**

- 1) Johnson Ezibon Lagure Joggore (2008-). Litter Fall and Decomposition in Natural Forest and Teak Plantations at Yate Forest, Southern Sudan. PhD thesis, Faculty of Forestry, U. of K.
- 2) Mona Hussein Hamad (2012-). Nutrient stock and dynamic under *Acacia tortilis* forest in a semi-arid dry land, Sudan. MSc thesis, Faculty of Forestry, U. of K.

- 3) Eltahra Saad Hamid Adam (2015-). Grafting as a tool for climate change mitigation and adaptation: Feasible Grafting some acacia) Young Seedlings onto Young Seedlings of prosopis species to Improve Acacia Performance on drought tolerance in gum belt. MSc thesis, Institute of Environmental Studies, U. of K.
- 4) Guma Ahmed Guma (2015). Establishment of Acacia Senegal by water harvesting techniques in Rwashda forest, Gedarif state. MSc thesis, Faculty of Forestry, U. of K.
- 5) Marium Ibrahim Omar (2016-). Land Use, Land Management Practices and Soil Resources (LULMPSR) in Wadi Elku, North Darfur State, Sudan. MSc thesis, Faculty of Forestry, U. of K.
- 6) Suheir Mohamed Musa (2016-). Forests and Single-tree Influences on Soil Physicochemical Properties in Savanna Land Regions of the Sudan: Case Study El Nour Natural Forest Reserve, Blue Nile State, Sudan. PhD thesis, Faculty of Forestry, U. of K.

### **Publications:**

Ranger J. and **Mohamed A.D.** (1992). Revitalization of declining Norway spruce stand (*Picea abies*, L., Karst) in the Vosges mountains (France). Ecosystems Research Report (4), Experimental Manipulations of Biota and Biogeochemical Cycling in Ecosystems. L. Rasmussen, T. Brydges, P. Mathy, Editors, Commission of the European Communities, Copenhagen, Denmark, p182-191.

**Mohamed, A.D.**, Ranger, J., Dambrine, E., Bonneau, M. (1992). Effects of liming on soil function: relationships with spruce health. In: A. Teller (Editeur), P. Mathy (Editeur), J.N.R. Jeffers (Editeur), *Responses of Forest ecosystems to environmental changes* (p. 823-824). London, GBR : Elsevier.

Ranger J., Cuirin G., Bouchon J., Colin M., Gelhaye D. and **Mohamed Ahamed D.** (1992). Biomasse et minéralomasse d'une plantation d'épicéa commun (*Picea abies* Karst) de forte production dans les Vosges (France). Annales de Sciences Forestières 49: 651-668.

Ranger, J., **Mohamed, A.D.** (1993). L'expérience de fertilisation col du Bonhomme. In: M. Bonneau , G. Landmann , INRA, Nancy,, *Pollution atmosphérique et déperissement des forêts dans les montagnes françaises. Programme DEFORPA. Rapport 1992. Synthèse et contributions individuelles de recherche* (p. 325-327). Paris, FRA : Minsitère de l'Environnement.

Ranger J., Discours D., **Mohamed Ahamed D.**, Moares C., Dambrine E., Merlet D. and Rouiller J. (1993). Comparaison des eaux liées et des eaux libres des sols de 3 peuplements d'épicéa (*Picea abies* Karst) des Vosges: Application a l'étude du fonctionnement actuel des sols et conséquences pour l'état sanitaire des peuplements. Annales de Sciences Forestières 50: 425-444.

Ranger, J., Discours, D., **Mohamed Ahmed, D.**, Moares, C., Dambrine, E., Merlet, D. and Rouiller, J. (1993). Comparison des eaux liees et des eaux libre etudiees dans les sols de trios pessieres Vosgiennes: Application à l'étude du fonctionnement actuel de ces sols et conséquences pour l'état sanitaire des peuplements. Avec la collaboration de Dominique GELHAE, Gilles NOURRISSON et Benoit POLLIER. Internal Document: INRA-CRF Nancy, Unité de Recherches sur la Microbiologie des Sols et le Fonctionnement Biogeochemique des Ecosystèmes Forestiers, Champenoux 54280 SEICHAMPS et CNRS-Centre de Pedologie Biologique BP5-54501 Vandoeuvre-lès Nancy Cedex, France. 22p + annexes.

**Mohamed A.D.**, Ranger J., Dambrine E., Bonneau M., Gelhaye D. and Granier A., (1993). The effects of limestone plus NPK fertilization on the soil and mass balance of spruce stand (*Picea abies*, L., Karst) in the Vosges mountains. Forest Ecology and Management, 60 (1993) 291-310.

**Mohamed A.D.** and Ranger J. (1994). The biogeochemical cycle in a healthy and highly productive Norway spruce (*Picea abies*, L., Karst) ecosystem in the Vosges, France. Canadian Journal of Forestry Research Vol. 24 (1994) 839-849.

Ranger J., **Mohamed A.D.** and Bonneau M. (1994). Effet d'un amendement calco-magnésien sur les solutions d'un sol acide sous pessière déperissante dans les Vosges. In Forêt et Amendements calcaires, C. Nys (editor), INRA, Centre de Nancy, France, p139-154.

Ranger J., **Mohamed Ahamed, D.** and Gelhaye, D. (1994). Effet d'un amendement calco-magnésien associe ou non à une fertilisation, sur le cycle biogéochimique des éléments nutritifs dans une

plantation d'épicéa commun (*Picea abies*, Karts) dépérissante dans les Vosges. Annales de Sciences Forestières 51 (1994) 455-475.

Dambrine E., Bonneau M., Ranger J., **Mohamed A.D.**, Nys C. and Gras F. (1995). 3.3- Cycling and budgets of acidity and nutrients in Norway spruce stands in Northeastern France and the Erzgebirege (Czech Republic), Nutrients cycling in coniferous stands. P. 233-258. In: G. Landmann and M. Bonneau (Eds.) Forest Decline and Atmospheric Deposition Effects in the French Mountains. Springer-Verlag, New York, LLc, 461pp.

Boudot, J.P., Becquer, T., Merlet, D., Rouiller, J., Ranger, J., Dambrine, E., **Mohamed, D.A.** (1995). 3.5- Potential role of aluminium toxicity in nutrient deficiencies as related to forest decline: an assessment of soil solution data from the Vosges Mountains. P. 270-285. In: G. Landmann and M. Bonneau (Eds.) Forest Decline and Atmospheric Deposition Effects in the French Mountains. Springer-Verlag, New York, LLc, 461pp.

**Daldoum Mohamed Ahamed** and Amira Mohamed Nimer, (2002). Effects of *Acacia senegal* (L., Wild.) on Sandy Soils: A Case Study of El Damokeya Forest, Northern Kordofan State. U. of K. J. Agric. Sci. 10 (1): 106-118.

**Daldoum Mohamed Ahmed**, Abdel Mohsin Rizgalla and Salih Ahmadi, (2004). Proposed Plan of Action for Scientific Research on Desertification: Darfur States. In: Professor Mukhtar Ahmed Mustafa and Dr. Ahmed Ali Mahdi (Eds.); Strategy and Plan of Action of Scientific Research on Desertification; Proceedings of the National Forum of Scietific Research on Desertification in the Sudan Khartoum, 16-18 March 2004. UNESCO chair of Desertification Studies, University of Khartoum.

**Daldoum Mohamed Ahmed** and Amira Mohamed Nimer, (2005). Foliage nutrient content of *Acacia Senegal* L. (Willd): at El Damokeya Forest, Northern Kordofan State. Sudan Silva (Sudanese Forestry Society), vol. XI (1): 45-57.

**Daldoum Mohamed Ahmed** (2007). Tree Nursery Location and Operation. Chapter 8: Applications of Meteorology to Forestry and Non-Forest Trees. In: The Guide to Agricultural Meteorological Practices (GAMP), from 1999 till 2007. WMO No. 134 (Stigter, K., 3<sup>rd</sup> ed.) (ed.). pxx. J. Paulo de Melo-Abreu (lead) with Patricia Andrews, Therezinha Xavier Bastos, **Mohamed Ahmed** **Daldoum**, William De Groot, Richard Fleming, Robert Fleming,Francis Fujioka, Johann G. Goldammer, Ajit Govind, John Harrison, Tom Keenan, David Price, Kees Stigter, Alan Wain (2010). Applications of Meteorology To Forestry And Non-Forest Trees (Chapter 11). In: Guide to Agricultural Meteorological Practice (GAMP) 2010 Edition (WMO No.134). Rome Italy.

Mubarak A.R, Elbashir A.A, Elamin L.A, **Daldoum D.M.A.**, Steffens D. and Benckiser G. (2008). Decomposition and nutrient release from litter fall in the semi-arid tropics of Sudan. Communications in Soil Science and Plant Analysis 39: 2359 - 2377.

El Tahir B.A., **Daldoum M.A.**, Ardo J., Gaafar A.M. and Salih A.A. (2009). Changes in soil properties following conversion of *Acacia senegal* plantation to other land management systems in North Kordofan State, Sudan. Journal of Arid Environments, 73: 499-505.

**Daldoum, D.M.A.**, Mubarak, A. and Elbashir, A.A. (2009). Leaf litter decomposition and nutrient release pattern of three tree species under semi-arid conditions. Journal of Natural Resources and Environmental Studies (*JONARES*), Vol. 5, pp 75-88, June 2010.

Mubarak, A.R., **Daldoum, D.M.A.** and Syed, A.M. (2009). Note on the Influence of Leaf Extracts of Nine Tree Types on Seed Germination, Radicle and Hypocotyl Elongation of Maize and Sorghum. Short Communication, International Journal of Agriculture & Biology, 11-3: 340-342.

**Daldoum, D.M.A.** and Massaud, M.M. (2010). Regeneration of *Sclerocarya birrea* (A. Rich.) Hochst. Subsp. *birrea* at Rashad Locality in the Nuba Mountains, Sudan. Accepted and presented at the conference for post-graduate studies and scientific research, University of Khartoum, February 2010.

**Daldoum, DMA**, Massaud, MM and Adam, YO (2012). Distribution, fruit production and natural regeneration of *Sclerocarya birrea* (A. Rich.) Hochst. subsp. *birrea* in the Nuba mountains, Sudan. Agricultural Research and Reviews Vol. 1(5), 148 – 152. Available online at <http://www.wudpeckerresearchjournals.org/ARR>. Wudpecker Research Journals.

**Daldoum, DMA** and Musa, SM (2012). Effects of mesquite (*Prosopis juliflora*, Swartz, DC.) manure and NPK fertilizer on growth and yield of forage sorghum (*Sorghum bicolor* L.). Agricultural Research and Reviews Vol. 1(5), 174 - 179 Available online at <http://www.wudpeckerresearchjournals.org/ARR>. Wudpecker Research Journals.

**Daldoum Mohamed Ahmed Daldoum** and Massaud Mohamed Massaud (2012). Regeneration and Establishment of *Sclerocarya birrea* (A. Rich.) Hochst. subsp. *birrea* by Different Land Preparation Methods in the Dry Lands, Nuba Mountains (Rashad District). Sudan Journal of Desertification Research 4 (1): 52-65.

**Daldoum Mohamed Ahmed Daldoum** and Hakim Araba Ameri (2012). Growth Performance of Four Acacia Tree Seedlings Raised in Compost-Amended Sandy Soil. Sudan Journal of Desertification Research 4 (1): 122-134.

**Daldoum M.A. Daldoum** and Hakim A. Ameri (2012). Growth Performance of the Seedlings of Four *Acacia* Species Raised in Compost-Amended Sandy and Silty Soils. University of Khartoum Journal of Agricultural Sciences 20(2), 184-201.

Yahia Omar Adam, Maymoona Ahmed Eisa and **Daldoum Mohamed Ahmed** (2012). Role of *Adansonia digitata* L. Fruits in Development and Forest Conservation in Rashad Locality, Nuba Mountains, Sudan. University of Khartoum Journal of Agricultural Sciences, 20(3), 314-328.

**Daldoum M.A. Daldoum** and Hakim A. Ameri (2013). Growth Performance of Four Acacia Tree Seedlings Raised in Silt Soil Amended with Compost. JONARES, Vol. 1: 23-28.

El Tahir B.A., **Daldoum M.A.** and Ardö J. (2013). Nutrient Balances as Indicators of Sustainability in acacia senegal Land use Systems in the Semi-arid Zone of North Kordofan, Sudan. Standard Scientific Research and Essays Vol1 (5): 93-112, 06/2013; DOI. <http://www.standresjournals.org/journals/SSRE>.

**Daldoum Mohamed Ahmed** (2013). Land Degradation in Relation to Climate Change: Features, Consequences and Remedies with Emphasis to the African Case. Pp 61-73. Welcome to Africa; Scientific Cooperation Network on Climate Change Adaptation in Eastern Africa. Proceedings of the Summer School Workshop, 04 – 12 March 2013, in University of Khartoum, Khartoum and University of Kordofan, El Obeid. Organized by: Technische Universität, Dresden, Germany; DAAD, Germany; University of Khartoum, Faculty of Forestry; University of Kordofan, Faculty of Natural Resources. 342p.

Hamdon A. Abdelrhman, Heba.A.Nourelddeen, **Daldoum Mohammed Ahmed**, Mohd Shahwahid & Paridah M.T. (2014). Effects of Soil Media and Seed Origin on Germination Rate and Seedling Propagation of *Acacia polycantha* (Wild) subsp. *campylacantha* (Hochst. ex A.Rich.) Brenan. Journal of Applied and Industrial Sciences, 2014, 2 (6): 267-272, ISSN: 2328-4595 (PRINT), ISSN: 2328-4609 (ONLINE).

**Daldoum M.A. Daldoum** and Hakim A. Ameri (2014). Effects of Irrigation Interval and Planting Spacing on the Establishment and Growth of *Faidherbia albida* (Del.) A. Chev. Transplants in Arid Land Soils. University of Khartoum Journal of Agricultural Sciences 22(2), 299-317.

Zeinab M. Hammad, Moayed M. Balal, Elamin Sanjak Baldo, **Daldoum Mohammed Ahmed**, Mustafa Osman Elsyed, Tarig Elsheikh Mahmoud, Osman Elsaied Adlan, Hassan Elnour Adam, Mohammed E. Taha, Muneer Elyas Siddig, Mohamed Eltom Elhaja, Fatima M.A. Ramli, Hatim M. Ahmed El amin, Shiekh Eldin Farah Eldour (2015). Gum Arabic Training Manual Stakeholders. Chain Project: Innovative Pilot Measures towards Development of Gum Arabic Value Chain in North and West Kordofan States-Sudan. Techische Universität Dresden, Germany; University of Kordofan, Faculty of Natural Resources and Environmental Studies & Institute of Gum Arabic Research and Desertification Studies; University of Khartoum, Faculty of Forestry.

**Daldoum Mohamed A. Daldoum** and Ghassan Habib Hammad (2015). Performance of Acacia senegal (L.) Wild Seedlings Growth under some Tree Manures and NPK Fertilizers in Nursery Site. Journal of Forest and Environmental Science Vol. 31, No. 4, pp. 1-9, November, 2015. <http://dx.doi.org/10.7747/JFES.2015.31.4.1>.

**Daldoum Mohamed Ahmed** and Ghassan Habib Hamad (2015). Effects of Soil Types and Mango (*Mangifera indica* L.) Humus on growth and Survival of some Tree Seedlings in the Nursery. University of Khartoum Journal of Agricultural Sciences, vol. 23, No. 1: 131-142.

**Daldoum Mohamed A. Daldoum** and Ghassan Habib Hamad (2016). Regeneration and Growth of *Acacia senegal* (L.) Willd. Seedlings in the Nursery as Affected by Tree Manures and NPK Fertilizer. U. of K. Graduate College and Scientific Research. The 5th Annual Conference Agricultural and Veterinary Research - February 2014, Khartoum, Sudan, Conference Proceedings – Volume Three. University of Khartoum, Graduate College and the Directorate of Scientific Research and Cultural Relations. The 5th Annual Conference of Postgraduate Studies and Scientific Research, 24 – 27 February 2014. Under the Banner of “Agricultural and Veterinary Research for Sustainable Development. Conference Proceedings (Peer reviewed), Volume Three. Forestry and Desertification Studies. Printed by: Khartoum University Printing Press. Pp. 717-734.

Safa Ahmed Ali Abaker and **Daldoum Mohamed A. Daldoum** (2016). Effects of Water Harvesting Techniques in Dry Lands on Establishment of *Faidherbia albida* (Del.) A. Chev. Seedlings in Nyala Locality, South Darfur State. U. of K. Graduate College and Scientific Research. The 5th Annual Conference Agricultural and Veterinary Research - February 2014, Khartoum, Sudan, Conference Proceedings – Volume Three. University of Khartoum, Graduate College and the Directorate of Scientific Research and Cultural Relations. The 5th Annual Conference of Postgraduate Studies and Scientific Research, 24 – 27 February 2014. Under the Banner of “Agricultural and Veterinary Research for Sustainable Development. Conference Proceedings (Peer reviewed), Volume Three. Forestry and Desertification Studies. Printed by: Khartoum University Printing Press. Pp. 805-826.

Ragwa Bakhet Eltalib Elnashi and **Daldoum Mohammed Ahmed** (2016). Characterization and Classification of Soils in the Blue Nile Basin Forests: Case Studies of Lembwa and El-Gazair Forest Reserves in Sennar State, Sudan. U. of K. Graduate College and Scientific Research. The 5th Annual Conference Agricultural and Veterinary Research - February 2014, Khartoum, Sudan, Conference Proceedings – Volume Three. University of Khartoum, Graduate College and the Directorate of Scientific Research and Cultural Relations. The 5th Annual Conference of Postgraduate Studies and Scientific Research, 24 – 27 February 2014. Under the Banner of “Agricultural and Veterinary Research for Sustainable Development. Conference Proceedings (Peer reviewed), Volume Three. Forestry and Desertification Studies. Printed by: Khartoum University Printing Press. Pp. 827-848.

Hakeem Araba Ameri and **Daldoum Mohammed Ahmed** (2016). Effect of Different Pretreatment Methods and Materials on Germination Potential of *Faidherbia albida* seeds. Journal of Al Fashir University for Applied Sciences – College of Graduate Studies and Scientific Research - University of Al Fashir. In print.

Hakeem Araba Ameri and **Daldoum Mohammed Ahmed** (2016). The impact of some soil types and container sizes on growth and development of *Faidherbia albida* seedlings in the nursery site. Journal of Al Fashir University for Applied Sciences – College of Graduate Studies and Scientific Research - University of Al Fashir. In print.

### **Workshops Presentations and Reports:**

- 1- Khalil, A.A.M, **Daldoum, D.M.A.**, Fagir, A.Y. and Mahmoud, A. (2003). Evaluation of Forest Status and Activities in Greater Kordofan Section (14 – 28 December 2002). Technical Report to Forest National Corporation (In Arabic), Khartoum, Sudan, 39pp.
- 2- **Daldoum Mohamed Ahmed** (2007). Soils of the Sudan: distribution, physicochemical properties and utilization. A Seminar ME456 presented on 17 April 2007 at Department of Ecology, Vikki Tropical Resources Institute/ VITRI, Faculty of Agriculture and Forestry, University of Helsinki. Helsinki, Finland.
- 3- **Daldoum Mohamed Ahmed** and Hakeem Araba Ameri (2009). Organic Matter as Soil and Plant Fertilizer and Compost Preparation (In Arabic): A Training Consultancy for Mabrouka Farmers (25-28 November 2009), Plan International, Sudan, Eddueim Center, White Nile State.
- 4- **Daldoum, D.M.A.** and Massaud, M.M. (2010). Regeneration of *Sclerocarya birrea* (A. Rich.) Hochst. Subsp. *birrea* at Rashad Locality in the Nuba Mountains, Sudan. Conference for Post-

Graduate Studies and Scientific Research, University of Khartoum, Shambat Campus and Friendship Hall, Khartoum, February 2010.

- 5- **Daldoum Mohamed Ahmed** (2010). Role of Tree Components in Agroforestry Systems as Nutrient Source, Soil Ameliorator, and Crop Fertilizer. Agroforestry for Sustainable Land Husbandry and Rehabilitation. CIMO North-South-South Project (University of Helsinki, Viikki Tropical Resources Institute, Vitri, Helsinki, Finland; University of Khartoum, Faculty of Forestry, Khartoum, Sudan and University of Hawasah, College of Forestry Sciences, Wondo Genet, Ethiopia). Venue: College of Forestry Sciences, Wondo Genet, Ethiopia, 11/7 – 25/7/2010.
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