

MISSING HEADING

Curriculum Vita

Personal Information

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| Name | Kamal Fadl Elseed Elkhalifa |
| Title | Professor of Forest Botany (since 2007) |
| Date of Birth | July, 1958 |
| Address | Dept. of Silviculture, Faculty of Forestry, |
| University of Khartoum. | |
| Marital Status | Married, with children. |
| E-mail | kam-mal@hotmail.com |
| Mobile | +966-591324165 |
| Languages | Excellence and Fluency in Arabic and Eng |

Academic Qualification

Ph.D. National University of Ireland (1990)-Forestry, specializing in Tree propagation

Advanced course: Statistics and Experimental Designs, Department of Statistics, University College Dublin, Ireland, 1988-1989.

M. Sc. National University of Ireland (1986), Forestry, specializing in plant taxonomy

B. Sc. University of Khartoum(1982) Forestry (Honours)-Class 1.

Prize: Awarded Abdu Rabbu prize for the best student obtained the only Class 1 awarded in 1982, with distinctions in 30 subjects.

Current Research

- Seed and seedling identification of forest trees.
- Eco-taxonomical studies of some semi-desert areas
- Seed and vegetative propagation of some forest trees.

- Teaching Assistant, Department of Forestry, University of Khartoum 1982-1983.
- Assistant Professor, Department of Forestry, University of Khartoum, 1990-1997.
- Member of examination committee of faculty of Agriculture (1991)

- Associate Professor, Faculty of Forestry, University of Khartoum, 1997
- Head department of Silviculture (1998-2001)
- Professor, Faculty of Forestry, University of Khartoum, 1997 to present

Participation in the university committees

- Member of the faculty of Forestry Board (1996-2001)
- Member of Senate, University of Khartoum (1998- 2001) and 2008-present
- Member of tours committee of faculty of forestry (1997-2001)

- Member of the Board of Desertification Studies Centre, Khartoum (1998-2001)
- Member of Library committee, Shambat campus, university of Khartoum (2008 – present)
- Member of the post-graduate Board, Shambat campus, university of Khartoum (2008 – present)

• Teaching Activities

- Course University Faculty Duration Dendrology Khartoum Forestry 1990-2001 2006-2009 Tree anatomy Khartoum Forestry 1990-2001 Silviculture Khartoum Forestry [...]
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| Course | University | Faculty | Duration |
|---|--|---------------------|------------------------|
| Dendrology | Khartoum | Forestry | 1990-2001 2006-2009 |
| Tree anatomy | Khartoum | Forestry | 1990-2001 |
| Silviculture | Khartoum | Forestry | 1990-2001 |
| Experimental designs | Khartoum | Forestry | 1990-1992 2001 |
| Plant Taxonomy | Khartoum | Forestry | 2006-2009 |
| Plant Ecology | Khartoum | Forestry | 2001 2006-2009 |
| Dendrology | Juba | Nat.Resources | 1992 |
| Plant Taxonomy | Dalang | Education | 1995 |
| Plant Ecology | Dalang | Education | 1995 |
| Experimental designs | Dalang | Education | 1995 |
| Agroforestry | Sudan for Science and Technology | Agriculture Studies | 1990-2000 |
| Principles of Forestry | King Saud | Agriculture | 2001-2005 |
| Silviculture | King Saud | Agriculture | 2001-2005 |
| Afforestation | King Saud | Agriculture | 2001-2005 |
| Field training in Forestry | King Saud | Agriculture | 2001-2003 |
| General Botany | King Saud | Science | 2002 |
| Plant Taxonomy, Ecology and Dendrology | Khartoum | Forestry | 2006-2009 |

- Post-graduate Supervision

| Thesis Title | University | Graduation |
|---|---------------------------|------------|
| Seed germination and seedling establishment of Tamarindus indica | Khartoum | 1992 |
| Role of socio –economic factors in forestry development in the Sudan | Agric. Univ. of Norway | |

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|---|-------------------------------|----------|------|
| | | | 1994 |
| Propagation of <i>Grewia tenax</i> | Khartoum | 1995 | |
| Flora of Gash River Delta, Eastern Sudan | Khartoum | 1997 | |
| Chemical control of <i>Prosopis chilensis</i> | Khartoum | 1997 | |
| Vegetative propagation of <i>Balanites aegyptiaca</i> | Khartoum | 1997 | |
| Fodder trees of Butana, Central Sudan | Khartoum | 1998 | |
| Seedling development and field growth of <i>Acacia seyal</i> and <i>Acacia mellifera</i> | Khartoum | 1998 | |
| Eco-taxonomical study of the vegetation of western Umdurman, Sudan | Khartoum | 1998 | |
| Flora of Al- Faw Mountains, Central Sudan | Khartoum | 1998 | |
| Propagation of Arak(<i>Salvadora persica</i>) | Khartoum | 1998 | |
| Seed propagation and chemical composition of <i>Capparis deciduas</i> | Khartoum | 1999 | |
| A study on the propagation of Abanus(<i>Dalbergia melanoxylon</i>) | Khartoum | 2000 | |
| Factors threatening Sudan food security | International univ. of Africa | 2000 | |
| Impact of Forest trees on millet production | Sanaa, Yemen | 2000 | |
| Envir.deterioration in White Nile Schemes | International Univ. of Africa | 2001 | |
| A study on the variations in tannin contents in <i>Acacia nilotica</i> | Khartoum | 2001 | |
| A study on indigenization of oil palm in the Sudan | International Univ. of Africa | 2001 | |
| Response of <i>Salvadora persica</i> and <i>Ziziphus spinchristi</i> to different water regimes | Khartoum | 2007 | |
| Ecological study of Rawdat Al-Ahwar, Central Saudi Arabia | Sudan for Scien | 2008 | |
| Eco-taxonomical study on tree and shrub species of lower Atbara river, Sudan | Khartoum | 2010 | |
| Morphological study on seedlings and saplings of some Combretaceae and Capparaceae members, Kordofan, Sudan | Khartoum | On-going | |

Publications

1/ Research Articles:

In English:

Mohammed M. Elnour, Kamal F.Elkhalifa, M.Massimo and Babkir ,Elhasn 1990. Preliminary study on seed pre-germination treatment and vegetative propagation of *Balanites aegyptiaca*(L.) Del. (published in the proceedings of the seminar on Physiology of forest trees in the arid and semi-arid regions, Paris-Nancy, France

Kamal F.Elkhalifa 1993. A computerized dendrological key for identification of forest trees in the Sudan , Univ. of Khartoum Journal for Agric. Sciences.

Kamal F.Elkhalifa, El Mattari and Mohammed M. Elnour 1995. Juvenile development of *Tamarindus indica*, university of Khartoum Journal for Agric.sciences,

H.H. El-Kamali and Kamal F.Elkhalifa 1997. Treatment of malaria through herbal drugs in the Central Sudan. FITOTERAPIA (Italy) vol. LX V111, 527-528

Kamal F.Elkhalifa and I.M.Ahmed 1999. An Ecological Study of El Rawakeeb Area, West Omdurman. Elbeea, vol. 1(2), 70-76

Kamal F.Elkhalifa and S.M. Mahmoud 1999. Establishment of *Grewia tenax* (Forssk.) Fiori from seeds and stem cuttings in the nursery. Arab Gulf J. Scient.Res., 17(1), 85-94

H.H. El-Kamali and Kamal F.Elkhalifa 1999. Folk medicinal plants of riverside forests of the southern Blue Nile district, Sudan. FITOTERAPIA 70, 493-497

Kamal F.Elkhalifa and H.H. El-Kamali and 2000. *Tabaldi* (*Adansonia digitata* L.)uses and chemical composition. Social Forestry and Environment(Sudan), vol. 2 (6), 7-9

Kamal F.Elkhalifa 2002. Treatment of skin diseases in the Sudan using tree material. Arab Gulf Journal of Scientific Research 20(4), 232-235

Kamal F.Elkhalifa and Magda Elawad 2001. Establishment of *Capparis decidua* (Forsk.) Edgew by seed in the nursery. University of Sudan Journal of Science and Technology vol. 2(2), 9-17

Kamal F.Elkhalifa 2003. Nursery establishment of *Abanus* (*Dalbergia melanoxylon*). Arab Gulf Journal of Scientific Research, 21(3), 153-157

Kamal F.Elkhalifa and Nour Aldaim M. Osman 2003. On the classification of *Acacia senegal*. Journal of Science and Technology vol. 4, (2), 37-40

Ibrahim M. Aref, Kamal F.Elkhalifa and Loutfy I. El-Juhany 2003. A Dendrological Key for identification of Acacia species growing in Saudi Arabia and Northern Sudan. Journal of King AbdulAziz University, Vol. 14, 87-94

Kamal F.Elkhalifa, Mohammed A.Ibrahim and Gamal Elghazali 2003. Contribution to the Flora of Gash Delta, Eastern Sudan, Bulletin No. 124, Research Centre, College of Agriculture, King Saud University, Riyadh, Saudi Arabia, pp. 20

Kamal F.Elkhalifa and Ibrahim M. Aref 2004. Morphological studies on fourteen Acacia species seedlings grown in Saudi Arabia. Bulletin No. 123, Research Centre, College of Agriculture, King Saud University, Riyadh, Saudi Arabia), pp. 11

Kamal F.Elkhalifa 2004. The effect of mechanical land preparation on the growth of *Acacia seyal* var. *seyal* Del. and *Acacia mellifera*(Vahl.)Benth. in Central Sudan. J. Saudi Soc. For Agric. Sci., Vol. 3 No. 1, 11-16

Ibrahim M. Aref, Loutfy I. El-Juhany and Kamal F.Elkhalifa 2004. Effects of sodium chloride concentrations on seed germination of *Acacia nilotica* subsp. *tomentosa* and *Acacia gerrardii* var. *najdensis*. Journal of the Advances in Agric. Researches, Vol. 9, No. 1, 33-41

Kamal F.Elkhalifa and Ibrahim M. Aref 2005. Seed identification of forty leguminous trees in the arid and tropical regions. Saudi Journal of Biological Sciences 12(2), 126-132

Kamal F.Elkhalifa 2005. Common medicinal uses of the Flora of Al-Faw hills. J. Saudi Soc. for Agric. Sci., Vol. 4, No. 1, 1-8

Kamal F.Elkhalifa, Ibrahim Suliman and Hasan Assubki 2005. Variations in tannin's contents of *Acacia nilotica*. Pakistan Journal of Biological Sciences, 8(7), 1021-1024,

Kamal F.Elkhalifa 2005. Seed germination and subsequent growth of *Grewia tenax* Forssk. and *Adansonia digitata* L. on five types of media. Proceedings of the Second Symposium of the Saudi Agricultural Society on Saudi Agriculture: Opportunities and Challenges.

Samia Tageldin, Kamal F.Elkhalifa and Khadija Abbas 2006. The effects of Gum Arabic on body weight and some blood elements in New Zealand cross California and Baladi rabbits. Pakistan Journal of Biological Sciences, 9(1), 96-98

Kamal F.Elkhalifa, Mohammed A.Ibrahim and Gamal Elghazali 2006. A survey of medicinal uses of Gash Delta vegetation, Eastern Sudan , J. Saudi Soc. For Biol. Sci., 13(1), 159-164

Kamal F.Elkhalifa and Hamad A.Al-Mefarreej 2006. Propagation of *Cordia mixa* L. by stem cuttings. Pakistan Journal of Biological Sciences, 9(1), 176-178

Kamal F.Elkhalifa 2006. Morphological study at intra-varietal level of *Acacia seyal* var. *seyal*. Iranian Journal of Botany, 11(2):149-153.

Kamal F.Elkhalifa 2006. Morphological study on seedlings of some eucalypts growing in Riyddh area, Saudi Arabia. International Journal of Botany 2(2), 156-158

Hamad A.Al-Mefarreej and Kamal F.Elkhalifa 2006.) One-year field performance of some Acacia and Prosopis species in Saudi Arabia. Asian Journal of Plant Sciences, 5(5), 763-766

Kamal F.Elkhalifa 2006. On the propagation of *Dalbergia melanoxylon*(Guill. & Perr.). (in press), J. Saudi Soc. For Biol. Sci.,

Kamal F.Elkhalifa 2006. Documentation of twelve plant materials as laxatives and astringents in the Sudan herbal medicine. Arabic Medicine, Jordan.

Kamal F.Elkhalifa 2006 On the Propagation of *Dalbergia melanoxylon* Guill. & Perr. Saudi Journal of Biological Sciences 13(2): 150-153, 2006

Kamal F.Elkhalifa, A. Alhouri and Salih Titio 2007 Tree species of Shambat area, Northern Khartoum State, SJBS(B), 11: 105-111, 2007

Kamal F.Elkhalifa and Tageldin, S 2007 Biological and medicinal uses of Gum Arabic, Sud.J. Stnds. Metrol, vol. 1(1), 2007

Kamal F.Elkhalifa(2008) A survey of medicinal uses of vegetations of three regions in eastern and central Sudan. Arab Organization for Agric. Development(AOAD) conference: Promising medicinal plants in the Arab world, Khartoum.

In Arabic:

Kamal F.Elkhalifa and Mohamed A.Ibrahim 1996. *Ziziphus* spp, uses and chemical composition, Arabic Medicine, Vol. 3, No. 1, Jordan.

Kamal F.Elkhalifa and H.H. El-Kamali 1997. *Acacia nilotica* subspecies and their medicinal uses and values, Arabic Medicine, Jordan, Vol. 16, No. 1, 54-61.

Kamal F.Elkhalifa and H.H. El-Kamali 1997. Plants used for treatment of diabetes in Khartoum State, Arabic Medicine, Vol. 16, No. 2, 68-75.

Kamal F.Elkhalifa and H.H. El-Kamali 2001. A note on herbal treatment, with special reference to application in the Sudan. Al-Taseel Journal (Ministry of Higher education, Khartoum) ^{8th} issue, 122-136

Kamal F.Elkhalifa and H.H. El-Kamali 1998. Medicinal values of Arak (*Salvadora persica L.*). Social Forestry and Environment 4thissue, Khartoum, 18-22

H.H. El-Kamali and Kamal F.Elkhalifa 1998. Uses and chemical composition of Guddaim (*Grewia tenax*). Science Magazine, Khartoum, vol. 4(1), 22-23

Kamal F.Elkhalifa and H.H. El-Kamali 1998. General and medicinal uses of Tundob (*Capparis decidua*), , Arabic Medicine, Jordan, Vol. 17, No.2, 106-111

H.H. El-Kamali and Kamal F.Elkhalifa 1999. Medicinal uses and values of Athl (*Tamarix spp*) and Tabaldi (*Adansonia digitata*). Arabic Medicine, Jordan, Vol. 18, No.2, 140-149

Kamal F.Elkhalifa 2005. Food and medicinal values of some Cucurbitaceae members. Al-ijaz Journal, Saudi Arabia.Vol.12, 1-4

2/ Books(In Arabic):

Kamal F.Elkhalifa 1996. Forest Botany, Khartoum University Press, Sudan, pp 181

Kamal F.Elkhalifa 1996.Trees of the holy Quran, National Forest Corporation Khartoum, Sudan, pp 81

Kamal F.Elkhalifa 1996. Plants of the Quran and Sunna and their medicinal values, University of Jazira, Sudan, pp 61

Kamal F.Elkhalifa 2001. Fundamentals of Ecology. Ministry of Higher Education and Scientific Research. Khartoum, pp 32

Kamal F.Elkhalifa 2002. Botanical and Agricultural terms from the holy Quran, Alwatan Press, Riyadh, Saudi Arabia, pp 78

Examiner for M. Sc. and Ph.D.

The following M. Sc. and Ph. D. researches were examined (Their studies that carried in Sudan, Libya and Yemen covered different research areas including plant propagation, ecology and agro-forestry):

- Effects of saline water, shade, media and containers on seed germination and seedling growth of some *Cordia* and *Casuarina* species in Yemen, 1998

- The effects of utilization on seed bank and vegetation dynamics of

plant species including selected wild foods in Rawashda forest, Sudan.

- The impact of trees, shrubs and herbs on the soil characteristics in Libya, 1998
- Regeneration of Neem tree (Azadirachta indica), 1998
- Investigations into artificial regeneration of Acacia Senegal on clay soils, Central Sudan, 1998
- Vegetative propagation of Acacia senegal by stem cuttings and factors affecting tree yield of Gum Arabic, 1999
- Effects of windbreaks on orange (Citrus sinensis) in Shabwa and Marib governorates of Eastern Yemen, 1999
- Effects windbreaks on coffee plantations in Yemen, 1999
- Using wood in port-land cement, 2000
- Sudan Forest policy, past present and future, 2000
- Propagation of Adansonia digitata under different sites, March(2007).
- Assessment of Acacia senegal in Agroforestry systems in Kordofan, Sudan June(2007)
- Assessment of Date palm plantation and its environmental impacts in Northern Sudan, 2007
- Evaluation of Agro-forestry practices in Kordofan, western Sudan(2007).
- Flora of Tuti Island, Khartoum, 2008
- A taxonomic review of the genus Cassia(2008).

Referee for scientific works

- Five papers (in the field of Forestry and Botany) were assessed for Sudan Silva and Sud..Stnds. Metrol. Journals.
- Promotion to associate professor, University of Sudan for Sciences and Technology was reviewed(2001).
- Promotion to associate professor, University of Zalengei, Sudan was reviewed(2008)
- Promotion to a professor, University of Sudan for Sciences and Technology was reviewed(2009)

Membership of Professional scientific societies

- Member of the International Centre for Faith Research-Khartoum (1993 to present)
- Secretary of scientific affairs and the biological circle of the International Centre for Faith Research - Khartoum(1993-1995)
- Member of the syllabi committee, university of Bakht Elridha, Doueim, 1998
- Member of the National Committee of Oil palm, 1998-1999
- Member of the Sudanese Social Forestry Committee(1997 to present)
- Member of U.C.D. Association, Ireland(1991 to present).
- Chairman of the committee reviewing the biological signs in Quran and Sunna, International Centre for Faith Research, Khartoum (2000-2001)
- Member of the Consultation Board for Tafakkur Journal, University of Jazira, Sudan(1998 to present)
- Member of the Saudi Society for Agricultural Sciences(2003 to present)

Subscriptions and Scientific relations

- Subscription of Leisa Publications (1998 to present).
- Subscription of ICRAF, Kenya, Publications on Tree propagation

- (1999 to present)
- Subscription of Arabic Medicine, Jordan (1998 to present)
- British data base of Botany (1998-1999)
- Subscription of Agrotica, Middle east Agricultural magazine, Lebanon (1997-2007)

Participation in Seminars and Conferences

The following seminars and conferences were contributed to with different levels of participations. Seven of which (**) were of international nature

- ** Physiology of forest trees in the arid and semi-arid regions, Paris-Nancy, France, (1990)
- ** Establishment conference, International centre for faith research-Khartoum (1991)
- ** Environment, Cairo, Egypt (1993)
- *Agricultural Sciences in Arabic (unification of terminology) faculty of agriculture, university of Khartoum (1994).
- * Gum Arabic, present and future. National Forest Corporation, Khartoum(1995).
- ** On fundamentals of science, University of Jazira(1995)
- * Food security in the Sudan. University of Jazira, Sudan(1996)
- * Human Nutrition, Jazira university, Sudan (1996)
- * Sudanese medicinal and aromatic plants, potentiality, problems and solutions. Institution of Medicinal and Aromatic Plants Research, National Council for Research, Khartoum(1997).
- ** Climate change, Khartoum(1997)\
- ** The university textbook. University of Sudan for Science and Technology, Khartoum(1998)
- * Forestry Research in the Sudan. Agricultural Research Corporation(1998).
- * Agricultural Education in the Sudan. Ministry of Agriculture, Khartoum(1999).
- * Planting date palm as road tree in the cities. Khartoum Development Corporation(2000)
- ** Biology as a faith testimony. International centre for faith research-Khartoum (2001)
- * Toward a sustainable Agricultural development. Saudi Society for Agricultural Sciences, Riyadh, Saudi Arabia(2002).
- * Marketing of Agricultural products. Saudi Society for Agricultural Sciences, Riyadh, Saudi Arabia(2003)
- ** Present flora of Saudi Arabia and future prospects(Satellite images for flora of Saudi Arabia). National Commission for Wildlife Conservation and Development, Riyadh, Saudi Arabia (2003).
- * Global heating, and its effects on the ecosystems. King Saud University (2003)
- * Towards conservation of biodiversity in the natural forests of Saudi Arabia. King Saud University (2004)
- * Agriculture in Saudi Arabia, opportunities and challenges. Saudi Society for Agricultural Sciences. Riyadh, 2005
- *. Promising medicinal plants in the Arab world, Sudan Ministry of High education and Scientific Research with collaboration of AOAD(Arab Organization for Agric. Development), Khartoum (2007).
- * Preparation for the Manual of Forest Trees in the Arab world, Arab Organization for Agric Development(AOAD), Syria 2008

Consultancies

- Reforestation programmes in Western Sudan, Business Administration, University of Khartoum.
- Reforestation plan for some districts of Khartoum North, Sudan, Khartoum Development Committees.
- Endangered Sudanese tree species, ICRAF, Kenya.
- Planting Neem (*Azadirachta indica*) at Arafat area, Saudi Arabia
- Identification and classification of tree species in Riyadh area, Higher Corporation for Riyadh development, Saudi Arabia(2008 and 2009)

Non-curricular Activities

- Participation in the cultural activity in Sudan Universities:

- o More than ten lectures were delivered to Khartoum university, on different issues including plants and environment.
- o Seven lectures were given on different issues, for students and staff members of universities of Sudan for Science and Technology, Jazira and Kordofan

- Participation outside universities:

Many lectures were given to the staff of

- o Jazira scheme, Sudan
- o Agricultural Bank, Khartoum
- o Industrial Research Centre, Khartoum North.

- Mass media

Twenty six talks on Environment and plants were given as follows:

- o Twelve talks through Sudan TV (Three different programs)
- o Three talks through Jazira and Shendi TV's, Sudan.
- o Eleven talks through Sudan Radio

- Abroad:

Some cultural articles were published in different Arabic magazines, these include:

- o A note on Neem tree (*Azadirachta indica*)1998. *Agrotica*, issue No. 22, , Lebanon
- o A note on Hashab-Gum Arabic tree (*Acacia Senegal L.*) 1999. *Agrotica*, issue(25), Lebanon,
- o Eucalypts in the arid regions, uses and identification. 2003
AlTabaa, vol. 3, issue 14, Saudi Arabia
- o Human and soil. *Manar Magazine* 2001, Arab Emirates
- o Biological variations. *Manar Magazine* 2002, Arab Emirates.