

## BIBLIOGRAPHY

1. **Abbas A., Mohamed A. M., Ali, M. A. Mohamed M. E., Ali, A. H., Husein, D., and Ibrahim M. (1995).** Proposal study for the establishment of a tissue culture laboratory for micro-propagation of fruit trees: Northern State Agricultural Rehabilitation Projects.
2. **Abd Alla, W. E. (1997).** The Sudanese wild medicinal plants. Symposium on: The Production and Export of Medicinal Plants (27<sup>th</sup>- 28<sup>th</sup> October 1997), Sharja Hall, University of Khartoum, Khartoum.
3. **Abdalla, R. M., Bushara, A., Abdelrahman, M., El Sheikh, S., Zein El Abdien. (1988).** The data palm scale insect in the Northern Sudan. Internal report. Plant Protection Director, Khartoum North, Sudan.
4. **Abdel Gani, M. E. (1997).** Effect of Rhizobium on Nitrogen Fixation, Yield and Seed Quality of Fenugreek. Ph.D. thesis, Faculty of Agriculture, University of Khartoum, Sudan.
5. **Abdel Nour, H.O. (1996).** The Forests National Corporation. Information Brochure. Forests National Corporation. Khartoum.
6. **Abdel Seed, N. A. (1998).** Genetics of Breast Cancer in Sudan. Proceedings of the International symposium on Recent Advances in Molecular Genetics of the Magreb & Middle East Populations, Institut Pasteur De Tunis.
7. **Abushama, F. T. (1974).** Flies, Mosquitoes & Diseases in the Sudan , Khartoum University Press, Khartoum.
8. **Abushama, H. A. (1999).** Inter-population diversity of *Anopheles arabiensis* in Khartoum as revealed by polymorphic genetic markers. MSc Thesis, University of Khartoum, Sudan.
9. **Ahmed, M. K., Ali Dinar, H.M., Bahr, A., Ismail, M., Adam, A. A., Tahir, A.M. (1999).** Assessment of agrobiodiversity in Darfur region. The Biodiversity Assessment & Strategic Planning Workshop, 9<sup>th</sup> -11<sup>th</sup> 1999, Arab Organization for Agricultural Development, Khartoum.
10. **Ahmed, O. A., Mukhtar, M. M., Kools-Simons, Fahal, A. H., Sybern De Hoog, Bert G.Ende, ZijlestraE.E., Verbrugh, H., Abugroon, E. A., El Hassan, A. M., Belkum, A. (1999).** Development of species-specific PCR restriction fragment length polymorphism analysis procedure for identification of *Madurella mycetomatis*. Journal of Clinical Microbiology,37,10,3175-3178.
11. **Al Nasri, M, Ibrahim, M. E. (1999).** Molecular diagnosis of breast cancer in Sudan. 8<sup>th</sup> Scientific Conference, Sudanese Association of Pathologists., Friendship Hall, 16-18<sup>th</sup> March 1999.

12. **Ali, A. A. (1989).** Studies on *Asterolecanium phoenicis* Rao, a date palm Scale Insect in Golid areas. M.Sc. thesis, Faculty of Agriculture, University of Khartoum, Sudan.
13. **Ali I. M. (1997).** Screening for Thermotolerant Yeasts in the Sudan, M.Sc. Thesis, Faculty of Agriculture, University of Khartoum, Sudan.
14. **Ali, M. A. (1994).** Annual Reports, 1994/95 Gezira Research Station, ARC-Wad Medani, Sudan.
15. **Ali, Y. H. (1997).** *Acacia senegal*, Capacity for Vegetative Propagation and Seed Physiology. Ph.D. thesis, Faculty of Science, University of Khartoum, Sudan.
16. **And Stam, P. A. (1992).** Introduction of *Trichogramma* Munir, B., Abdel Rahman, A. A., Mohamed, A. H. *Pretiosum Riely* against *Heliothis armigra* (H6) in the Sudan. IPM project, ARC, Wad Medani, Sudan.
17. **Andrews, F. W. (1950, 1952, 1956).** The Flowering Plants of Anglo-Egyptian Sudan, (Vol. 1,2,3.) T. Buncl & Co.Ltd, Arbroath, Scotland.
18. **Anonymus, (1989).** Quarantine and Biological Unit, Bio-control of scale insects, progress report, June - Oct. Faculty of Agriculture, University of Khartoum, Sudan.
19. **Arab Organization for Agricultural Development (1998).** Study on Suitable Modern Technologies for Forest Wealth Development
20. **Ayoub, F. N. (1996).** Solid State Fermentation and its Effect on the Nutritive Value and Digestibility of Sorghum Straw as Animal Feed. Ph.D. thesis, Faculty of Agriculture, University of Khartoum, Sudan.
21. **Babiker, H. A, Bayoumi, R. A., Walliker, D. (1995).** Genetic Diversity of *Plasmodium falciparum* in Sudan. Sudan Medical Journal 33 (1), 67-79.
22. **Babiker, H.A., Lines, J., Hill, W.G, Walliker, D. (1997).** Population structure of *Plasmodium falciparum* in villages with different malaria endemicity in Eastern Africa. American Journal of Tropical Medicine & hygiene, 56,141-147.
23. **Babiker, S.H. (1994).** The production of veterinary bacterial vaccines by conventional methods and modern technology in the Sudan. AlbuHuth, 4, 1B, 146-153.
24. **Badi, K.H. (1999).** Assessment of diversity in forest ecosystems in the Southern Sudan. The Biodiversity Assessment & Strategic Planning Workshop, 9<sup>th</sup> -11<sup>th</sup> 1999, Arab Organization for Agricultural Development, Khartoum.

25. **Baerwald, G. , Hamad, S. H. (1984).** The presence of yeast in Sudanese cane sugar factories, *Zuckerind.* , 109,11, 1014 - 1017.
26. **Bakhiet, A. M. O. (1993).** Interactions Between *Trypanosoma Brucei Brucei*, CD 8 + T cells and Interferon Gamma. Ph.D. thesis. Karolinska Institute, Stockholm, Sweden.
27. **Bayoumi, A. (1979).** The History of Sudan Health Services, Kenya Literature Burueau, Kenya.
28. **Beije, C. M., Ahmed, M. A. (1996).** Natural enemies and cotton pests control in the Sudan. Final Technical Report. IPM project ARC, Wad Medani, Sudan pp 1 - 19.
29. **Broun, A.F. and R.E. Massey (1929).** Flora of the Sudan. Thomas Murby 2 CO. London.
30. **Decker, H., Yassin, A.M. (1984).** Incidence of plant parasitic nematodes on horticultural crops in the Sudan. *Acta Horticulture*, 1984 (143), 397-406.
31. **Dirar, H. A. (1989).** Prospective of modern biotechnology in the Sudan, proceedings of the First Arab Conference on prospective of modern biotechnology in the Arab countries, pp 112 - 131.
32. **Dirar, H. A. (1993).** The indigenous fermented foods of the Sudan, a study in African food and nutrition CAB - International, Wallingford.
33. **Dirar, H.A. (1997).** Lactic acid and lactic acid bacteria in African indigenous knowledge. In: Food Processing technologies for Africa (ed. Hamid Dirar) UNIDO, Vienna.
34. **El Amin, H.B., Mekki, I.I., Fadi Alla, Y., Dirar, H.A. (1994).** Biogas technology in the Sudan. *Albuhuth*, 4,1A, 32-64.
35. **El Bashir, M. I. (1991).** Detection of Antibody Response with Immunoglobulin binding Bacterial Proteins and Monoclonal Antibodies to the Growth Hormone Receptor. Ph.D. thesis, University of Lund, Sweden.
36. **El Ghazali, G.E.B. (1986).** Medicinal Plants of the Sudan, part 1, Erkweet (East Sudan), Khartoum University Press, Khartoum.
37. **El Ghazali, G.E.B. (1997).** Medicinal Plants of the Sudan, part 4, Medicinal Plants of Northern Kordofan, NCR, Khartoum.
38. **El Ghazali, G.E.B., Bari, E.A., Bashir, A.K. , Salih, A.M. (1987).** Medicinal Plants of Sudan, part 2, the Eastern Nuba Mountains, Sudan, Khartoum University Press, Khartoum.
39. **El Ghazali, G.E.B., El Tohami, M.S., El Egaimi, A.B. (1994).** Medicinal Plants of the Sudan, part 3, Medicinal Plants of the White Nile Provinces,

NCR, Khartoum.

40. **El Hadi, Igbal (1999).** A Study of Vaginal Discharge Associated with Candidiasis, Trichomoniasis and Bacterial Vaginosis with a Special Reference to Gender Aspects. MSc thesis, University of Gezira, Sudan.
41. **El Hag, B., Hajir, I.E. (1988).** Viral vaccine production in Sudan. International symposium on the Development of Animal Resources in the Sudan, 3<sup>rd</sup> -7<sup>th</sup> January 1988, Friendship Hall, Khartoum, Sudan.
42. **El Hassan, A. A. (1994).** Producing virus - free seed potatoes by meristem tip culture. Proceedings of the first National scientific symposium of plant tissue culture and its applications in the agricultural development of Sudan, Khartoum, Sudan, 22<sup>nd</sup> August 1994, Sharja Hall, University of Khartoum, Sudan.
43. **El Khalifa, A. O. ; El Tinay, A. H. (1994).** Effect of fermentation on protein fraction and tannin content of low and high tannin cultivars of sorghum. Food chemistry 49:265 - 269.
44. **El Mahdi, I. E. (1998).** A Study of Hydatidosis with a Special Reference to Strain Characterization of *Echinococcus Granulosus* in Sudan. MSc thesis, University of Gezira, Sudan.
45. **El Mardi, M. M. (1988).** A Study on Fermented Milk (roub). M.Sc. Thesis. University of Khartoum, Sudan.
46. **El Sheikh, E. A. E. (1998).** Response of legume - Rhizobium symbiosis to salinity in the Sudan: a review. Journal of Agricultural Science 6(2), 142 - 156.
47. **El Tigani, S., Salih, S. (1994).** Growth and rooting system of Acacia senegal wild obtained by tissue culture. Proceedings of the first National scientific symposium of plant tissue culture and its applications in the agricultural development of Sudan, Khartoum, Sudan, 22<sup>nd</sup> August 1994, Sharja Hall, University of Khartoum, Sudan.
48. **Farahat, F. H. (1998).** Microbiological and Biochemical Tests on the Traditional Sorghum Fermentation, M.Sc. thesis, Faculty of Agriculture, University of Khartoum.
49. **Gaddoura, E. Burgstaller, H., Fadi, G. M. (1983).** Survey on insect pest, diseases and weeds on vegetable crops in Khartoum province. The 8<sup>th</sup> African Symposium on Horticultural Crops, 20-24<sup>th</sup> March 1983, Wad Medani, Sudan.
50. **Giha, O. H. (1987).** Plant Pathology. Wiley Eastern Ltd., New Delhi.
51. **Habish, H. A. and Ishag, H. M. (1974).** Nodulation of legumes in the Sudan, response of haricot bean to inoculation. Experimental Agriculture, 10, 45 - 40.

52. **Hamad, S. H. (1989).** Screening of Yeasts associated with Food from the Sudan and their Possible Application for Single Cell Protein and Ethanol Production. Ph.D. thesis, Technische Universitaet, Berlin.
53. **Hamad, S. H. Bashir, H. Osman, M. E., Taha, M. E., El fadil, I., Abdel Galeel, A. and Mustafa A. (1998).** Expert committee report on the up-grading and restarting of the Heseheisa yeast plant, Ministry of Industry, Sudan.
54. **Hamad, S. H. Dieng, M. C., Ehrman, M. A., Vogel, R. F. (1997).** Characterization of the bacterial flora of Sudanese sorghum flour and sorghum sour dough. *Journal of Applied Microbiology*, 83, 764-770.
55. **Hamad, S. H., Boecker, G. Vogel R. F., Hammes, W. P. (1992).** Microbiological and chemical analysis of fermented sorghum dough for kiswa production *Applied Microbiology*, 37: 728 - 731.
56. **Hanan, M. S., Ahmed, M. K., EL Hussein, S. A., Ali Dinar, H. M. Ahere, F. (1983).** Horticultural crops collected in Sudan. *Plant Genetic Resources Newsletters*, 56,33-41.
57. **Harrison, M. N. and J. K. bJackson (1958).** Ecological classification of the Vegetation of the Sudan. *Forest Bull. No 2. (New series) Forest Dept. Khartoum.*
58. **Higazi, T. B. (1999).** Onchocerciasis in Sudan: Genetic diversity *O. volvulus*, and characterization of their vector in Abu Hamad. PhD thesis, University of Khartoum, Sudan.
59. **Hillman, J. C. 1985.** Wildlife research in relation to conservation and management. In proceedings of wildlife conservation in the Sudan Synoposium. Editor Ernest Dieter. GTZ
60. **Hussein, M. F., Bushara, H. O. (1988).** Animal schistosomiasis in the Sudan: general review of the problem. International symposium on development of animal resources in the Sudan, Friendship Hall, Khartoum, Sudan, 3<sup>rd</sup> -7<sup>th</sup> January 1988.
61. **Ibrahim, E. A. (1990).** Human Health Hazards Created by Animal Diseases, Khartoum University Press, Khartoum.
62. **Ibrahim, G. (1994).** The role of research of plant diseases in Sudanese agriculture. *Albuhuth*,4b, 154-163.
63. **Ibrahim, M.E. (1996).** The changing face of leishmaniasis in Sudan: a molecular biological perspective. *Transactions of the Royal Society of Tropical Medicine & hygiene*, 90,3.

64. **Ibrahim, N. E. Babiker, A. G. T., Edwards, W. G., Parker, C. (1985).** Activity of extracts from *Euphorbia* species on the germination of striga species. *Weed Research*. 1985, vol.25, 135 - 140.
65. **Karsisto, Marjut (1988).** Microbiological studies on nitrogen fixation in trees used for afforestation in the Sudan. Selection of suitable inoculation methods, Rhizobium strains and carrier materials, programme review No.6, Finland afforestation programme, phase IV.
66. **Khairi, S. M. (1967).** A Study on the Root Nodule Bacteria and the Cross - Nodulation Groups of the Leguminous Plants in the Sudan. M.Sc. thesis, Faculty of Agriculture, University of Khartoum, Sudan.
67. **Khalil, E.A., El Hassan, A.M., Zijlstra, E.E., Osman, O.F.ElJack, I.A., Ibrahim, M.E., Mukhtar, M.M., Ghalib, H.W., Modabber, F.(1999).** Safety and immunogenicity of two doses of autoclaved c; *Leishmania major* /BCG vaccine in an endemic area in Sudan phase I/II trial. The 1<sup>st</sup> Scientific meeting of the Institute of endemic Diseases (University of Khartoum, Sudan), 8<sup>th</sup> -11<sup>th</sup> February 1999.
68. **Kwaje, S.L. (1984).** The occurrence of a new disease; *Xanthomona manihotis* on cassava in the Sudan. *Acta Horticulture* (143), 421-426.
69. **Lazarus, P., Idris, A.M., Kim, J., Calcagonotto, A., Hoffmann, D. (1996).** P53 mutation in head and neck squamous cell carcinomas from Sudanese snuff (Toombak) users. *Cancer Detection and Prevention* 20(4), 270-278.
70. **Magzoub, M.M., Stephen, A.H., Gale, E.A., Bottazo, G.F. (1991).** Analysis of HLA-Dr and DQ gene polymorphism in Sudanese patients with type 1 (insulin dependent diabetes). *Immunogenetics*, 34, 366-371.
71. **Magzoub, M.M., Stephen, A.H., Gale, E.A., Bottazo, G.F.(1992).** Identification of genetic susceptibility loci for insulin-dependent diabetes in Sudan. *Scandinavian Journal of Immunology*, 36, 187-191.
72. **Mahdi, A. A. (1975).** Effect of Light, Temperature, Soil Moisture and Inoculation on Nodulation of Cowpea, Hyacinth Bean and Clitoria, M.Sc. thesis, Faculty of Agriculture, University of Khartoum, Sudan.
73. **Mahdi, F.M. (1994).** Tissue culture and its application in Sudan. *Albuhuth*, 4, 1B, 229-249 (in Arabic).
74. **Masefield, G. B. (1952).** The nodulation of annual legumes in England and Nigeria, preliminary observations. *European Journal of Agriculture*, 20, 175 - 186.
75. **Ministry of Agriculture (1999).** Agriculture in the Sudan (Arabic version)

76. **Miska Elyaman, A. (1999).** Sensitivity and specificity of *three Onchocercus volvulus* cloned antigens in diagnosis of onchocerciasis. MSc thesis, University of Khartoum, Sudan.
77. **Mitchell, C. W. (1991).** Physiography, Geology and Soils. In: The Agriculture of the Sudan (Craig.M., ed.), Oxford University Press, Oxford.
78. **Mohammed, A. A. (1997).** Prospects of agricultural development of medicinal plants in Sudan, Symposium on : The Production and Export of Medicinal Plants ((27<sup>th</sup>- 28<sup>th</sup> October 1997), Sharja Hall, University of Khartoum, Khartoum.
79. **Mohamed, A. H. (1998).** Sudanese experience in biological control. A country paper presented at the FAO Regional Workshop on Biological Control of Agricultural Pests in the Near East, Nov. 14/9/1998, Tehran/Babolsar, Iran.
80. **Mohamed, M. E. (1998).** Annual Report, Gezira Research Station, ARC - Wad Medani, Sudan.
81. **Mohamed, S. I., Steenshon, L. R. and Kirlies, A. W. (1991).** Isolation and characterization of microorganisms associated with the traditional sorghum fermentation for the production of Sudanese Kisra. Applied and Environmental Microbiology , 57 (90, 2529 - 2533).
82. **Mukhtar, N. O., Abu Naib, S. (1988).** In: Nitrogen Fixation by Legumes in Mediterranean Agriculture. ( Beck , D.P.& Materon, I.A. eds.) pp. 321 - 329.
83. **Mukhtar, N. O. , Babiker, H. M. (1994).** Nitrogen fixation research in Sudan:
84. **Musa, B. E., DafAlla, E. A. Homeida, A. M., Merkt, H., Rath, D. (1988).** Developmnt of artificial insemination system in the camel (*Camelus dromedarius*) International symposium on the Development of Animal Resources in the Sudan, 3rd -7<sup>th</sup> January 1988, Friendship Hall, Khartoum, Sudan.
85. **Nada, M.,E. (1998).** Screening for Thermophilic and Amylolytic Bacteria from Different Habitats in the Sudan, M.Sc. thesis, Faculty of Agriculture, University of Khartoum, Sudan.
86. **Nimir M. B. (1983):** Wildlife Values and Management Practices in Northern Sudan – Ph.D. desertification – USA
87. **Noordwizk, M. V. (1984).** Ecology Text Book for the Sudan, Khartoum University Press.
88. **Nour, A. M. (1981).** Physiochemical composition of common Sudanese date cultivars and their suitability for jam making. Date Palm Journal 1, 99 - 103.

89. **Omer, F. I. (1983).** Comparative Study on Pathogenic Staphylococci isolated from Man and Animals. MSc thesis, veterinary science, University of Khartoum, Khartoum.
90. **Saeed, Z. K. (1981).** Some Technological Aspects of Indigenous Sudanese soup (molahs). Ph.D. thesis, University of Reading, UK.
91. **Schmutterer, H. (1991).** Pests of Crops in Northeast and Central Africa. Gustav Fischer Verlag, Stuttgart.
92. **Seilsted, M. T., Harbet, J. M., Lin, A. A., Unerhill, P., Ibrahim, M. E., Vollarth, Cavalli, S (1994).** Constructing the Y chromosome haplotypes using new polymorphic A to G transition. Human Molecular Genetics, 13 (12): 2159-2161.
93. **Sherfi, S. A. (1997).** Microbiological and Biochemical Studies on Gergoush Fermentation. M.Sc.thesis, University of Khartoum, Sudan.
94. **Shommein, A. M., Hagir Suliman (1988).** Theileriosis in the Sudan. International symposium on development of animal resources in the Sudan, Friendship Hall, Khartoum, Sudan, 3<sup>rd</sup> -7<sup>th</sup> January 1988.
95. **Siddahmed, A. I., Alamel Huda, A. E. (1999).** Assessment of agrobiodiversity of the Northern Sudan: Horticultural crops. The Biodiversity Assessment & Strategic Planning Workshop, 9<sup>th</sup> -11<sup>th</sup> 1999, Arab Organization for Agricultural Development, Khartoum.
96. **Steinkraus, K. H. (1983).** Handbook of indigenous fermented foods. Vol. 9, Marcel Dekker INC., New York University Press, Cambridge, London.
97. **Suheib, A. Y. (1983).** Detection of *Fusarium moniliforme* on Okra Seeds (*Hibiscus esculatus*); Its Significance and Control. MSc thesis Agriculture, University of Khartoum, Sudan.
98. **Swennen, R. (1995).** Report of an expert mission on mutation breeding for banana improvement through irradiation in Sudan. Division of Technical Co-operation programs, Department of Technical Co-operation, International Atomic Energy Agency.
99. **Tarr, S. A. J. (1949).** Sudan Ministry of Agriculture, annual reports of the Research Division, 1948/49.
100. **Taylor, M., Capron, A., Bushara, H, Fuhui, S. H. (1997).** Evaluation of defined antigen vaccines against *Schistosoma bovis* and *Schistosoma japonicum* in bovines. In: Health Research with Developing Countries, vol. III. European Commission, Brussels.
101. **Tigani, K. B., al Abjar, Z. and El Tayeb, N. M. (1997).** The Sudan experience in controlling the water Hyacinth infestation. Workshop on



scientific cooperation with ICIPE, Ministry of Agriculture, Khartoum, Sudan, 6  
- 7 December 1997 - 4pp.

102. **Tokporo, G. L. (1998).** *In vitro* germplasm conservation of Musa AAA (Cavendish subgroup) Dwarf cavendish and "Williams mutants, M.Sc. thesis, Faculty of Agricultural Sciences, University of Gezira, Sudan.
103. **Wickens (1991).** The Agriculture of the Sudan. Oxford University Press. Oxford.
104. **Wickens, G. E. (1976).** The Flora of Jebel Marra and its Geographical Affinities. Her Majesty's Stationary Office, London.
105. **Wickens, G. E. (1991).** Natural vegetation. In: The Agriculture of the Sudan (Craig.M. ed.), Oxford University Press, Oxford.
106. **Yagoub, I. A. (1987).** Biochemical reactions and sensitivity to antibiotics of Salmonella isolated in Sudan. Sudan Journal of Veterinary Science & Animal Husbandary, 26,1,21-28.
107. **Yagoub, I. A. (1988).** Coccidiosis of domestic livestock in the Sudan. International symposium on development of animal resources in the Sudan, Friendship Hall, Khartoum, Sudan, 3<sup>rd</sup> -7<sup>th</sup> January 1988.