REFERENCES

ABDUL-BAKI, A.A. & ANDERSON, J.D., 1972. Seed Biology, vol. II. Kozlowski, T.T. (ed.), Academic Press, New York, USA, 283 pp.

AGUFA, C.A.C., 2002. *Genetic variation in Sclerocarya birrea* and *Uapaca kirkiana indigenous fruit trees of the Miombo woodland*. MSc thesis, Jomo Kenyatta University of Agriculture and Technology, 114 pp.

AHEE, J. & DUHOUX, E., 1994. Root culturing of *Faidherbia albida* as a source of explants for shoot regeneration. *Plant Cell Tiss. Organ Cult.* 36, 219-225.

AKINNIFESI, F.K., AJAJI, O., SILESHI, G., KWESIGA, F.R., HAM, C., MHANGO, J. KADZERE, I., CHILANGA, T., MKONDA, A. & MATAKALA, P., 2007. Creating opportunities for domesticating and commercializing Miombo indigenous fruit trees in southern Africa. In: Akinnifesi, F.K., G. Sileshi, Ajaji, O., Tchoundjeu, Z. & Matakala, P (eds.), Indigenous fruit trees in the tropics: domestication, utilization and commercialization. CABI publishing (in press).

AKINNIFESI, F.K., SIMONS, A.J. & KWESIGA, F.R., 2000a. Strategies for domesticating indigenous Miombo fruit trees in the southern Africa. *Proc. first international workshop on fruit and tree crops, production in small farming systems for poverty reduction, food security and income generation*: *future solutions in eastern and southern Africa*, Mangochi, Malawi.

AKINNIFESI, F.K., KWESIGA, F.R., SIMONS, A.J., MHANGO, J. & CHILANGA, T., 2000b. Miombo indigenous fruit tree domestication in southern Africa, some lessons and future directions, *Proc. and annual scientific conference*, MIM, Lilongwe, Malawi.

AKINNIFESI, F.K., KWESIGA, F.R., MHANGO, J., MKONDA, A., CHILANGA, T. & SWAI, R., 2004. Domesticating priority for Miombo indigenous fruit trees as a promising livelihood option for small-holder farmers in southern Africa. *Acta Hort*. 632, 15-30.

AKINNIFESI, F.K., KWESIGA, F., MHANGO, J., CHILANGA, T., MKONDA, A., KADU, C.A.C., KADZERE, I., MITHOFER, D., SAKA, J.D.K., SILESHI, G., RAMADHANI, T. & DHLIWAYO, P., 2006. Towards the development of Miombo fruit trees as commercial tree crops in southern Africa. *Forest, Trees and Livelihood* 16, 103-121.

AMIN, M.N. & JAISWAL, V.S., 1993. *In vitro* response of apical explants from mature trees of jackfruit (*Artocarpus heterophyllus*). *Plant Cell Tiss. Organ Cult.* 33, 59-65.

ANDREWS, P.K. & MARQUEZ, C.S., 1993. Graft incompatibility. In: Janick, J. (Ed.). Horticultural reviews, vol. 15, Wiley, New York, USA, pp. 183 -232.

ANONYMOUS, 1997. Jacana Education Trust, SAPPI Tree Spotting, Lowveld Tree Identification Made Easy. SA Tree number 433, pp 302.

AUGÉ, R., 1995. The physiological phenomena related to the realisation of cultures *in vitro*. Pp 7 - 31. In: Razdan, M.K. (ed.), *In Vitro* Culture and Its Applications in Horticulture. Science publishers, Lebanon, NH.

BAJAJ, Y.P.S., 1986. Biotechnology of tree improvement for rapid propagation and biomass energy production. Pp 1 – 23. In: Bajaj, Y.P.S. (ed.), Biotechnology in Agriculture and Forestry 1 Trees I., Springer-Verlag. Berlin Heidelberg, Germany.

BARGHCHI, M. & ALDERSON, P.G., 1985. *In vitro* propagation of *Pistacia vera* L. and commercial cultivars Ohadia and Kallleghochi. *J. Hort. Sci.* 60, 423 – 430.

BERJAK, P., KIOKO, J.I., MAKHATHINI, A. & WATT, M.P., 2004. Strategies for field collection of recalcitrant seeds and zygotic embryonic axes of the tropical tree, *Trichilia dregeana* Sond. *Seed Sci. & Technol.* 32, 825 -836.

BHALLA, P.L. & MULWA, R.M.S., 2003. Tissue culture and macadamia propagation. *Acta Hort.* 616, 343-346.

BOTHA, D., WILLIS, C. & WINTER, J., 2000. Southern African Botanical Gardens Needs Assessment. Southern African network report No. 11, pp 114 – 118.

BOUAID, A., DIAZ, Y., MARTINEZ, M. & ARACIL, J., 2005. Pilot plant study of biodiesel production using *Brassica carinata* as raw material. *Catal. Today* 106, 193-196.

CANOIRA, L., ATCANTARA, R., GARCIA-MARTINEZ, M.J. & CARRASCO, J., 2006. Biodiesel from jojoba oil-wax. *J. biomass & Bioenergy* 30, 76 – 81.

CASSELLS, A.C., 1991. Problems in tissue culture: culture contamination. Pp 31 - 44. In: Derbergh, P.C. & Zimmerman, R.H. (eds.), Micropropagation: Technology and Application. Kluwer, Dordrecht.

CHIDUMAYO, E.N., 1997. Miombo ecology and management. Intermediate technology publications. Southampton, London, UK, 166 pp.

CHISHIMBA, W.K., LINGUMBWANGA, E. TEMBO, L.M. & HANG'ANDU, A.K., 2000. Effect of cytokinins on *in vitro* propagation of *Uapaca kirkiana*. *J. Tropical For. Sci.* 12, 28-36.

CONSIDINE, J.A., 1983. Concepts and practice of use of plant growth regulating chemicals in viticulture. Pp 89 – 183. In: Nickell, L.G. (ed.), Plant Growth Regulating Chemicals. Vol. 1, CRC Press Inc. Florida USA.

CROMPTON, T.R., 1997. Toxicants in the Aqueous Ecosystem. Baffins lake, Chiche, Wiley & Sons, Inc. West Sussex, England, pp 382.

DARWORTH, C.E. & CALLAN, B.E., 1996. Manipulation of endophytic fungi to promote their utility as vegetation biocontrol agents. Pp 209 – 216. In: Redlin, S.C. & Carris, L.M. (eds.), Endophytic Fungi in Grasses and Woody Plants. Systematics, Ecology and Evolution.

DE ASCENSAO, A.R.F.D.C. & DUBERY, I.A., 2003. Soluble and wall-bound phenolics and phenolic polymers in *Musa acuminata* roots exposed to elicitors from *fusarium oxysporum* f.sp. *cubense*. *Phytochem.* 63, 679-686.

DECOOMAN, L, EVERAERT, E., CURIR, P. & DOLCI, M., 1996. The possible role of phenolics in incompatibility expression in *Eucalyptus gunnii* micrografts. *Phytochem. Anal*. 7 (2), 92 – 96.

DIXON, R.A. & PAIVA, N.L. 1995. Stress-induced phenylpropanoid pathway. *Plant Cell* 7, 1085 - 1097.

DU PLOOY, W., 2006. Aspects of mango (*Mangifera indica* L.) fruit rind morphology and chemistry and their implication for postharvest quality. Ph.D thesis, University of Pretoria.

DUNSTAN, D.I, TAUTORUS, T.E & THORPE, T.A., 1995. Somatic embryogenesis in woody plants. Pp 471 – 538. In: Thorpe, T.A. (ed.), *In Vitro* Embryogenesis in Plants. Current Plant Science and Biotechnology in Agriculture, Kluwer Academic Publishers.

ENJALRIC, F., CARRON, M.P. & LARDET, L., 1998. Contamination of primary cultures in tropical areas. The case of *Hevea brasiliensis*. *Acta Hort.* 223, 57- 65.

ERMEL, F.F., CATESSON, A.M. & POESSEL, J.L., 1995. Early histological diagnosis of apricots/peach x almond graft incompatibility: Statistical analysis of data from 5-month-old-grafts. *Acta Hort.* 384, 497 – 503.

ERMEL, F. F., POESSEL, J.L., FAUROBERT, M. & CATESSON, A. M., 1997. Early scion/stock junction in compatible and incompatible pear/ pear and pear/quince grafts: a histo-cytological study. *Annal. Bot.* 79, 505 – 515.

ERREA, P., 1998. Implications of phenolic compounds in graft incompatibility in fruit tree species. *Sci. Hort.* 74,195–205.

ERREA, P., FELIPE, A. & HERRERO, M., 1994a. Graft establishment between compatible and incompatible *Prunus* spp. *J. Exp. Bot.* 272, 393-401.

ERREA, P., FELIPE, A., TREUTTER, D. & FEUCHT, W., 1994b. Flavanol accumulation in apricot grafts as a response to incompatibility stress. *Acta Hort.* 381, 498–501.

ERREA, P., GARAY, L. & MARIN, J.A., 2001. Early detection of graft incompatibility in apricot (*Prunus armeniaca*) using *in vitro* techniques. *Physiol. Plant.* 112, 135 – 141.

FACTEAU, T.J., CHESTNUT, N.E. & ROWE, K.E., 1996. Tree, fruit size and yield of 'Bing' sweet cherry as influenced by rootstock, replant area and training system. *Sci. Hort.* 67, 13-26.

FERREE, D.C. & CARLSON, R.F., 1987. Apple rootstocks. Pp 107 - 143. In: Rom, R.C. & Carlson, R.F. (eds.), Rootstocks for Fruit Crops, Willey. New York, USA.

FIVAZ, J. & ROBBERTSE, P.J., 1993. *Pappea capensis*: monoecious, dioecious or androdioecious. *S. Afri. J. Bot.* 59, 342-434.

FRANCLET, A., BOULAY, M., BEKKAOUI, F., FOURET, Y., MARTOUZET, B.V. & WALKER, N., 1987. Rejuvenation. Pp 232 – 248. In: Bonga, J.M. & Durzan, D.J. (eds.), Cell and Tissue Culture in Forestry, vol. 1. General Principles and Biotechnology, Forest Sciences. Nijhoff publishers, Dordrecht, Nertherlands.

FRY, S.C., 1988. The Growing Plant Cell Wall: Chemical and Metabolic Analysis. Biddles Ltd. Guildford and King's Lynn. Great Britain, pp 333.

GEBHARDT, K. & FEUCHT, W., 1982. Polyphenol changes at the union of *Prunus avium* / *Prunus cerasus* grafts. *J. Hort. Sci.* 57, 253 – 258.

GENSTAT RELEASE 4.24DE, 2005. GenStat for windows, discovery edition 2. Lawes Agricultural Trust, Rothamsted Experimental Station. UK.

GEORGE, E.F., 1993. Plant Propagation by Tissue Culture, Part 1. The Technology, 2nd Edition, Exergetics Ltd. Edington, Wilts, England, pp 574.

GREENACRE, M.J., 1984. Theory and Application of Correspondence Analysis. Academic Press. London, Great Britain, pp 364.

GUPTA, P.K., 1995. Somatic embryogenesis in sugar pine (*Pinus lambertiana* Dougl.). Pp 197 – 205. In: Jain, S.M, Gupta P.K. & Newton, R.J. (eds.), Somatic Embryogenesis in Wood Plants. Vol. 3. Gymnosperms. Forestry Sciences, Kluwer Publishers.

HAMISY, W.C., 2004. Promotion of effective conservation and sustainable utilization of *Uapaca kirkiana* Müell Arg. Project Report, ICRAF Nairobi, Kenya.

HAMMERSCHLAG, F., 1986. Peach (*Prunus persica* L. Batsch). Pp 170 - 183. In: Bajaj, Y.P.Y. (ed.), Biotechnology in Agriculture and Forestry 1, Trees 1. Springer Verlag, Heidelberg. Germany.

HARBORNE, J.B., 1989. General procedures and measurement of total phenolics. Pp 1 – 28. In: Harborne, J.B. (ed.), Methods in Plant Biochemistry. Academic Press, San Diego, USA.

HARTMANN, H.T., KESTER, D.E. & DAVIES, F.T., 1990. Plant Production, Principles and Practices. 5th Ed. Printice-Hall International Inc. Englewood Cliffs, New Jersey, USA, pp 647.

HELANDER, M.L., NEUVONEN, S. & RANTA, H., 1996. Natural variation and effects of anthropogenic environmental changes on endophytic fungi in trees. Pp 197 - 207. In: Redlin, S.C. & Carris, L.M. (eds.), Endophytic Fungi in Grasses and Woody Plants. Systematics, Ecology and Evolution.

HERMAN, E.B., 1990. Non-axenic plant tissue culture: possibility and opportunities. *Acta Hort.* 280, 233 – 248.

HÖGBERG, P., 1982. Mycorrhizal association in some woodland and forest trees and shrubs in Tanzania. *New Phytol*. 92, 407 - 415.

HUETTEMAN, C.A. & PREECE, J.E., 1993. Thidiazuron: a potent cytokinin for woody plant tissue culture, *Plant Cell Tiss. Organ Cult.* 33, 105-119.

ISLAM, R., ZAMAN, A., JOARDER, O.I. & BARMAN, A.C., 1993. *In vitro* propagation as an aid for cloning of *Morus laevigata* Wall. *Plant Cell Tiss. Organ Cult.* 33, 339 - 341.

JAIN, A.K., DANDIN, S.B. & SENGUPTA, K., 1990. *In vitro* propagation through axillary bud multiplication in different mulberry genotypes. *Plant Cell Rep*. 8, 737 – 740.

JOHNSTON, K.A. & ARMSTRONG, G., 2003. Rooting and acclimatisation of Christmas bush (*Ceratopetalum gummiferum* Sm.). *Acta Hort.* 616, 157- 162.

JONARD, R., LUKMAN, D., SCHALL, F. & VILLEMUR, P., 1990. Early testing of graft incompatibilities in apricot and lemon trees using *in vitro* techniques. *Sci. Hort.* 53, 117-128.

KANGATHARALINGAM, N., PIERCE, M.L., BAYLES, M.B. & ESSENBERG, M., 2002. Epidermal anthocyanin production as an indicator of bacterial blight resistance in cotton. *Phys. Mol. Plant Pathol.* 61, 189 - 195.

KWAPATA, M.B., KALENGAMALIRO, F., BAKUWA, J. & MANYELA, S., 1999. *In-vitro* rooting and axillary shoot proliferation of *Faidherbia albida* (Del.) A. Chev. under varying levels of plant growth regulators. *Afri. Crop Sci. J.* **7**, 303 - 311.

KWESIGA, F.R. & MWANZA, S., 1995. Under exploited wild genetic resources: the case of indigenous fruit trees in Eastern Zambia. Pp 100-112. In: Maghembe, J.A., Ntupanyama, Y. & Chirwa, P.W. (eds.), The improvement of indigenous fruit tees of the Miombo woodlands of southern Africa, ICRAF, Nairobi.

KWESIGA, F., AKINNIFESI, F.K., RAMADHANI, T., KADZERE, I. & SAKA, J., 2000. Domestication of indigenous fruit trees of the Miombo in southern Africa. Pp 8 – 24. In: Shumba, E.M., Lusepani, E. & Hangula, R. (eds.), *The domestication and commercialization of indigenous fruit trees in the SADC Region.* SADC Tree Seed Centre Network. Harare, Zimbabwe.

LEBART, L., MORINEAU, A. & WARWICK, K.M., 1984. Multivariate Descriptive Statistical Analysis. Correspondence Analysis and Related Techniques for Large Matrices. Wiley, New York, USA, pp 231.

lE ROUX, J.J. & VAN STADEN, J., 1991. Micropropagation of *Eucalyptus* species. *HortScience* 26, 199 - 200.

lE ROUX, H., 2004. Diesel-from-trees option promoted. file://E:\Creamer Media's Engineering News Online, South African Industry News Energy.htm. (Accessed: 2006, October 12)

LIU, K., YAN, L., YAO, G. & GUO, X., 2006. Estimation of *p*-coumaric acid as metabolite of E-6-O-*p*-coumaroyl scandoside methyl ester in rat plasma by HPLC and its application to a pharmacokinetic study, *J. Chromatograph B*. 831, 303 – 306.

LIU, Z, WANG, J., SHEN, P., WANG, C. & SHEN, Y., 2006. Microwave-assisted extraction and high-speed counter-current chromatography purification of ferulic acid from *Radix Angelicae sinensis*. *Sep. Purif. Technol.* 52, 18 -21

MAGHEMBE, J.A. & SEYANI J.H., 1992. Multipurpose trees used by smallholders in Malawi: results of an ethnobotanical survey. AFRENA report No 42. ICRAF, Nairobi, Kenya, 30 pp.

MAGHEMBE, J.A., SIMONS, A.J., KWESIGA, F. & RARIEYA, M., 1998. Selecting indigenous trees for domestication in southern Africa. Priority setting with farmers in Malawi, Tanzania, Zambia and Zimbabwe. ICRAF, Nairobi, Kenya.

MALIRO, M., 1997. *Propagation of Uapaca kirkiana using tissue culture techniques*. MSc thesis, Bunda College of Agriculture, Lilongwe, Malawi, 98 pp.

MATU, E.N., LINDSEY, K.L. & VAN STADEN, J., 2006. Micropropagation of *Maytenus senegalensis* (Lam) Excell. *S. Afr. J. Bot.* 72, 409 - 415

MÉNDEZ, J., GESTO, M.D.V., VÁZQUEZ, A., VIEITEZ, E. & SEOANE, E., 1968. Growth substances isolated from woody cuttings of *Alnus glutinosa* Medic. and *Fraxinus excelsior* L. *Phytochem.*7, 575 – 579.

MHANGO, J.L., AKINNIFESI, F.K & T.G. CHILANGA, T.G., 2000. Vegetative propagation of *Uapaca kirkiana* Müell Arg. in Malawi. Achievements in Agroforestry research and development in Malawi, annual report. ICRAF: Zomba, Malawi.

MITHÖFER, D., WAIBEL, H. & AKINNIFESI, F.K., 2006. The role of food from natural resources in reducing vulnerability to poverty: a case study from Zimbabwe. A paper presented at the 26th conference of the International Association of Agricultural Economists (IAAE), August, 12 – 26, 2006, Queensland Australia.

MNG'OMBA, S.A. & DU TOIT, E.S., 2006. African tree species with multiple values: Jacket plum (*Pappea capensis*), Mobola plum (*Parinari curatellifolia*) and Large sour plum (*Ximenia caffra*). Pp 657 – 661. In: Teixeira da Silva, J.A. (ed.), Global Science Books, UK.

MOORE, R., 1986. Graft incompatibility between pear and quince: the influence of metabolites of *Pyrus communis*. *Am. J. Bot*. 73, 1- 4.

MUOFHE, M.L. & DAKORA, F.D., 1999. Root phenolic accumulation and loss of autoregulation of root nodule formation in bambara groundnut following boron and cotyledon excision. *Aust. J. Plant Physiol*. 26, 435-441.

MURASHIGE, T. & SKOOG, F., 1962. A revised medium for rapid growth and bioassays with tobacco tissue culture. *Physiol. Plant.* 15, 473-497.

MWAMBA, C.K., 1995. Effect of root-inhabiting fungi on root growth potential of *Uapaca kirkiana* (Muell Arg.) seedlings. *Appl. Soil Ecol.* 2, 217 – 226.

NAIDU, C.V., RAJENDRUDU, G. & SWAMY, P.M., 1999. Effect of temperature and acid scarification on seed germination of *Sapindus trifolitus* Vahl. *Seed Sci. Technol.* 27, 885 - 892

NEISH, A.C., 1964. Major pathways of biosynthesis of phenols. Pp 195 – 359. In: Harborne, J.B. (ed.). Biochemistry of Phenolic compounds. Academic Press, London, Great Britain.

NGULUBE, M.R., HALL, J.B. & MAGHEMBE, J.A., 1995. Ecology of a Miombo fruit tree: *Uapaca kirkiana* (Euphobiaceae). *Forest Ecol. & Manage* 77, 107 – 118.

NGULUBE, M.R., HALL, J.B. & MAGHEMBE, J.A., 1997. Fruit, seed and seedling variation in *Uapaca kirkiana* from natural populations in Malawi. *Forest Ecol. & Manage* 98, 209 – 219.

NITO, N., HAN, S.H. & KATAYAMA, Y., 2005. Evaluation of graft compatibility for taxonomically relationships among species of the orange subfamily. *Acta Hort.* 692, 85 - 89.

NKANAUNENA, G.A., 2002. *Rejuvenation of adult Uapaca kirkiana (Muell Arg.) trees through in vitro micrografting*. MSc thesis, Bunda College of Agriculture, Lilongwe, Malawi, pp 50.

OCHATT, S.J., DAVEY, M.R. & POWER, J.B., 1990. Tissue culture and top-fruit tree species. Pp 193 – 207. In: Pollard, J.W. & Walker, J.M. (eds.), Methods in Molecular Biology, Plant Cell and Tissue Culture. Vol. 6. Humana Press Inc. USA.

OKAFOR, J.C. & LAMB, A., 1992. Fruit tree diversity and conservation strategies. In: Leakey, R.B. & Newton, A.C. (eds.), Tropical Trees: Potential domestication, London: HSM.

PALGRAVE, K.C. & DRUMMOND, R.B., 1983. Trees of Southern Africa. 2nd Edition. Pp 534 – 535. In: Moll, E.J. (ed.), National Herbarium, Salisbury. Struik Publishers.

PALMER, E. & PITMAN, N., 1972. Trees of Southern Africa. Covering all Known Indigenous Species in the Republic of South Africa, Southwest Africa, Botswana, Lesotho and Swaziland. Vol. 2, pp 352.

PANDEY, D.K. & PALNI, L.M.S., 2005. Germination of *Partheneium hysterophorus* L. seeds under the influence of light and germination promoting chemicals, *Seed Sci. & Technol*. 33, 485 – 491.

PAREEK, A. & KOTHARI, S.L., 2003. Direct somatic embryogenesis and plant regeneration from leaf cultures of ornamental species of *Dianthus*. *Sci. Hort*. 98, 449 - 459.

PARFITT, D.E. & ARULSEKAR, S., 1987. Measurement and origin of genetic variation in tissue culture systems. Pp 286 – 297. In: Bonga, M.J. & Durzan, S.S. (eds.), Cell and Tissue Culture in Forest Trees. vol. 2. Nijhoff publishers, Dordrecht, Nertherlands.

PIERIK, R.L.M., 1987. *In Vitro* Culture of Higher Plants. Netherlands, pp 344.

PINA, A. & ERREA, P., 2005. A review of new advances in mechanism of graft compatible - incompatible in *Prunus spp. Sci. Hort.* 106, 1 – 11.

PIÑA-RODRIGUES, F.CM. & FIGLIOLIA, M.B., 2005. Embryo immaturity with delayed germination in recalcitrant seeds of *Virola surinamensis* (Rol.) Warb (Myristicaceae). *Seed Sci. & Technol*. 33, 375 – 386.

RAGHAVAN, V., 1986. Somatic embryogenesis. Pp 115 - 151. In: Raghavan, V. (ed.), Embryogenesis in Angiosperms. A Developmental and Experimental Study, Cambridge University Press, London.

RAMADHAS, A.S., JAYARAJ, S. & MURALEEDHARAN, C., 2005. Biodiesel production from FFA rubber seed oil. *Fuel* 84, 335 - 340.

RAMADHANI, T., 2002. Marketing of indigenous fruits in Zimbabwe. Socio-economic studies on rural development, vol. 129. Wissenchaftsverlag Vauk. Kiel, Germany.

RAMINA, A. & MASIA, A., 1982. Levels of extractable para-coumaric acid in the exo-mesocarp and seed of persisting and abscising peach fruit. *Sci. Hort.* 16, 375 - 383.

READ, P.E. & PREECE, J.E., 2001. Environmental management for optimizing micropropagation. *Acta Hort.* 616, 49 – 56.

REGNIER, T. & MACHEIX, J.J., 1996. Changes in wall-bound phenolic acids, phenylalanine and tyrosine ammonia-lyases, and peroxidases in developing durum wheat grains (*Triticum turgidum* L var. Durum. *J. Agric. Food Chem*. 44, 1727 – 1730.

ROBICHAUD, R.L, LESSARD, V.C. & MERKLE, S.A., 2004. Treatments affecting maturation and germination of American chestnut somatic embryos. *Plant Physiol.* 161, 957 – 969.

ROY, S.K., ISLAM, M.S., SEN, J. & HADIUZZAMAN, S., 1996. Shoot tip, an alternative to seed as a source of genetic material for conservation and propagation for forest trees. Pp 8 -15. In: Islam, A.S. (ed.), Plant Tissue Culture. Science publishers, Lebanon, NH.

RUGINI, E., JACOBONI, A. & LUPPINO, M., 1993. Role of basal shoot darkening and exogenous putrescine treatments on in vitro rooting and on endogenous polyamine changes in difficult-to-root woody species. *Sci. Hort*. 53, 63 – 72.

SAKA, J.D.K., MWENDO-PHIRI, E. & AKINNIFESI, F.K., 2002. Community processing and nutritive value of some Miombo indigenous fruits in Central and Southern Malawi. Pp 164 – 169. In: Kwesiga, F., Ayuk E. & Gunya, A. (eds.), *Proc. of the 14th southern Africa regional review and planning workshop*, 3-7 September, 2001, ICRAF, Harare, Zimbabwe.

SAS Institute Inc., 1999. The SAS system for windows. SAS Institute Inc. SAS Campus drive, Cary, North Carolina, USA.

SCOTT, E.G., CARTER, J.E. & STREET, H.E., 1961. Studies on the growth in culture of excised wheat roots III. The quantitative and qualitative requirements for light. *Physiol. Plant.* 14**,** 725-733.

SIMONS, A.J., 1997. Domestication of indigenous fruit trees in the southern Africa. In: ICRAF, 2000 annual report.

SIMONS, R.K. & CHU, M.C., 1981. Morphological and anatomical characteristics of graft unions in apple trees on dwarfing rootstocks. *Acta Hort*. 114, 198 -199.

SIMONS, R.K., 1987. Compatibility and stock-scion interactions as related to dwarfing. Pp 79 – 106. In: Rom, R.C. & Carlson, R.F. (eds.), Rootstocks for Fruit Crops, Wiley & Sons, Inc. New York, USA.

SINGH, A.K. & CHAND, S., 2003. Somatic embryogenesis and plantlet regeneration from cotyledon explants of a timber-yielding leguminous tree *Dalbergia sissoo* Roxb. *J. Plant Physiol.* 160, 415 – 421.

SINGH, N.D., SAHOO, L., SARIN, N.B. & JAIWAH, P.K., 2003. The effect of TDZ on organogenesis and somatic embryogenesis in pigeon pea (*Cajanus cajan*, L. Millsp). *Plant Sci.* 164, 341-347.

SITA, G.L. & RAGHAVA SWAMY, B.V., 1993. Regeneration of plantlets from leaf disc cultures of rosewood: control of leaf abscission and shoot tip necrosis. *Plant Sci.* 88, 107-112.

STEEL, R.G.D. & TORRIE, J.H., 1980. Principles and Procedure of Statistics: A Biometrical Approach. McGraw-Hill Book Company, Inc. USA, pp 633.

STORRS, A.E.G., 1995. 'Know your trees'. Some of the common trees found in Zambia. Reprinted by Regional Soil Conservation Unit (RSCU), pp 301 – 302.

SWAIN, T., 1979. Tannins and lignins. Pp 657-700. In: Rosenthal, G.A. & Janzen, D.H, (eds.), The Herbivores, Their Interaction with Secondary Plant Metabolites. Academic Press, Inc. New York, USA.

SWART, W., 1991. Plums for Pudding, Trees in South Africa. Survival of the veld 11, 42-47.

TORREY, J.C., 1952. Effects of light on elongation and branching in pea roots. *Plant Physiol.* 27, 592-602.

TSHOKOEVA, M.D. & TSONEV, R.V., 1995. Compatibility of rootstock and scions in apricots trees. *Acta Hort.* 384, 471-476.

ÜNAL, A., 1995. Anatomy of the graft union and degree of incompatibility of some apricot varieties budded onto plum, almond and peach seedlings. *Acta Hort.* 384, 493-496.

USENIK, V. & ŠTAMPAR, F., 2001. Different rootstocks for cherries - influence on polyphenol content and graft incompatibility. *Acta Hort.* 557, 175-179.

USENIK, V. KRŠKA, B., VIČAN, M. & ŠTAMPAR, F., 2006. Early detection of graft incompatibility apricots (*Prunus amerniaca* L) using phenol analyses. *Sci. Hort.* 109, 332-338.

van WYK, B. E. & GERICKE, N., 2000. People's Plants. A Guide to Useful Plants of Southern Africa, Pretoria, Briza Publications, pp 351.

VENTER, F. & VENTER, J.A., 1996. Making the Most of Indigenous Trees, Briza Publications, Pretoria, South Africa, pp 304.

WATERMAN, P.G. & MOLE, S., 1994. Analysis of Phenolic Plant Metabolites. Methods in Ecology. Blackwell Scientific Publications. Oxford, Great Britain, pp 238.

WEBSTER, A.D., 2001. Rootstocks for temperate fruit crops: current uses, future potential and alternative strategies. *Acta Hort.* 557, 25-34.

WHTE, F., 1983. The vegetation of Africa, natural resources research. UNESCO, pp 86 - 101.

WHITE, J. & ROBINSON, E., 2000. HIV/AIDS and rural livelihoods in the Sub-Saharan Africa. Policy series 6, Chatham, NRI, U.K.

WILLIAMS, R.R., TAJI, A.M. & BOLTON, J.A., 1985. Specificity and interaction among auxins, light and pH in rooting of Australian woody species *in vitro*. *HortScience* 20, 1052 -1053.

WINK, M., 1999. Introduction: biochemistry, role and biotechnology of secondary metabolites. Pp 1 – 16. In: Wink, M. (ed.), Functions of Plant Secondary Metabolites and their Exploitation in Biotechnology.

WINK, M. & SCHIMMER, O., 1999. Modes of action of defensive secondary metabolites. Pp 17 – 133. In: Wink, M. (ed.), Functions of Plant Secondary Metabolites and their Exploitation in Biotechnology.

XU, F., SUN, R.C., SUN, J.X., LIU, C.F., HE, B.H. & FAN, J.S., 2005. Determination of cell wall ferulic and ρ-coumaric acids in sugarcane bagasse. *Anal. Chim. Acta* 552, 207 – 217.