**References**

Abd El-Moneim, Maisa, L. (2001). *Evaluation of some non-chemical methods to control some soil borne fungi and foliage diseases of cucumber.* Ph.D. Thesis, Fac. Agric., Zagazig Univ., Egypt. 143.

Adegbite, A. A. and S.O. Adesiyan. (2005). Root Extracts of Plants to Control Root-Knot Nematode on Edible Soybean. *World Journal of Agricultural Sciences,* 1(1): 18-21.

Adekunle A. T., Cardwell, K. F., Florini, D. A., and T. Ikotun. (2001). Seed treatment with Trichoderma species for control of Damping - off of Cowpea caused by Macrophomina phaseolina. *Biocontr. Sci. Technol.,* 11: 449-457.

Akinbode, O. A. and T. Ikotun. (2008). Evaluation of some bioagents and botanicals in in vitro control of *Colletotrichum destructivum.* *African Journal of Biotechnology,* 7(7): 868-872.

Akpan, M., C. S. Odeomena, C. N. Nwachukwu, and B. Danladi (2012) “Antimicrobial assessment of ethanolic extract of *Costus afer* leaves. *Asian Journal of Plant Science and Research,* 2(3): 335–341.

Alabi DA, Oyero LA, Amusa NA (2005). Fungitoxic and phytotoxic effect of *Vernonia amygdalina Del., Bryophyllum pinnantus Kurz, Ocimum gratissimum (Closium) L and Eucalypts globules (Caliptos)* Labill water extracts on cowpea and cowpea seedling pathogens in Ago-Iwoye, South Western Nigeria. *World J. Agric. Sci*., 1:70-75.

Alabi, D. O., Onibudo, M. Z., and N. A. Amusa., (2005). Chemical and nutritional composition of four botanicals with fungitoxic properties. *World Journal of Agricultural Sciences,* 1(1): 84-88.

Amadioha AC, Obi VI (1999). Control of Anthracnose disease of cowpea by Cymbopogon citrates *and Occimum gratissimum.* *Acta Phytopathologia at Entomological Hungaria,* 34(1-2): 83-89.

Amusa, N. A, Ikotun, T, and Y. O. K. Osikanlu., (1994). Screening Cowpea and Soybean Cultivars for resistance to anthracnose and Brown blotch diseases using Phytotoxic metabolites. *African Crop Science Journal,* 2 (2): 221- 224.

Anthonet N., Nnaemeka A. and Orish E. (2016). Nephroprotective and antioxidant effect of aqueous leaf extract of *Costus Afer Ker gawl* on cyclosporin-a (Csa) induced nephrotoxicity. *Clinical* *Phytoscience*, 2:11

Anyasor G.N., Ogunwenmo K. O, Oyelana O.A and akpofunure B.E (2010) phytochemical constituents of antioxidant activities of aqueous and methanol stem extracts of costus afer kerGawl. (costanceae). *African Journal of Biotechnology,* 31: 4880 4884.

Anyasor, G., F. Onajobi, O. Osilesi and O. Adebawo. (2014) “Hexane fraction of *Costus afer Ker Gawl* leaf inhibited mitochondrial permeability transition, F1F0 ATPase and scavenged nitric oxide and hydrogen peroxide (957.1),” *Journal of Investigational Biochemistry*, 3(2): 79.

Anyasor, G., F. Onajobi, O. Osilesi, and O. Adebawo (2014) “Proximate composition, mineral content and in vitro antioxidant activity of leaf and stem of *Costus afer* (Ginger lily),” *Journal of Intercultural Ethnopharmacology,* 3 (3): 128.

Anyasor, G., F. Onajobi, O. Osilesi, O. Adebawo, and E. M. Oboutor. (2014) Anti-inﬂammatoryandantioxidantactivities of Costus afer Ker Gawl. hexane leaf fraction in arthritic rat models. *Journal of Ethnopharmacology,* 155(1): 543–551.

Anyasor, G., O. Ogunwenmo, O. A. Oyelana, and B. E. Akpofunure (2010). “Phytochemical constituents and antioxidant activities of aqueous and methanol stem extracts of *Costus afer Ker Gawl.* (Costaceae). *African Journal of Biotechnology*, 9(31): 4880–4884.

Aschalew S., F. A., Kedir W. (2012). Evaluation of three potential botanicals against sorghum covered smut *(Sphacelotheca sorghi)* at Bako, Western Oromia Ethiop. *Afr. J. Plant Sci*., 6(8): 226-231.

Atere, G., O. A. Akinloye, R. N. Ugbaja, D. A. Ojo, and G. Dealtry, (2018) “In vitro antioxidant capacity and free radical scavenging evaluation of standardized extract of Costus afer leaf,” *Food Science and Human Wellness,* 7(4): 266–272.

Awale, H. (2001). Inoculum inoculation and media preparation of anthracnose, caused by Colletotrichum lindemuthianum. Michigan State University, EL, MI 48824.

Barnett L. and Hunter B. (1998). *Descriptions illustrated Genera of imperfect Fungi*. The American Phytopathogical Society (Fourth Edition). St. Paul Minnesta, USA, 218.

Behera, A., Kumar, S and Kumar, J. P. (2016). Nutritional and pharmacological importances of genus Costus: A review*. International Journal of Pharmaceutical Sciences and Research,* 7(5): 1866-1873.

Cheryl R. and Martin A. (2001). White Mold White Mold of Vegetables and Ornamentals in the Home Garden. *NDSU Extension Circular (Rev.).*

Choudhury, N., Chandra, K. J and Ansarul, H. (2012). Effect of Costus speciosus oen on reproductive organs of female albino mice*. International Research Journal of Pharmacy,* 3(4): 200-202.

Chukwuma, C., M. O. Soladoye, and R. T. Feyisola (2015) “Traditional medicine and the future of medicinal Plants in Nigeria,” *Journal of Medicinal Plants Studies,* 3(4): 23–29.

Daniel B., Cynthia A., Godwin K., Olga Q., Rosemary A., Gilbert K. and Michael B. (2019). *Costus afer:* A Systematic Review of Evidence-Based Data in support of Its Medicinal Relevance. *Hindawi Scientiﬁca*, 3732687: 10

Dickson, D., K. Amponsah, K. Annan and C. Fleischer (2014). “Nutritive potential of a polyherbal preparation from some selected Ghanaian herbs. *Journal of Natural Product and Plant Resources,* 4(3): 77–81.

Dike, M. (2009) “Proximate and phytochemical compositions of some browse plant species of southeastern Nigeria,” *Global Journal of Agricultural Science,* 8:1.

Dubey, S., Verma, V. K., Sahu, A. K., Jain, A. K., Tiwari A. (2010). “Evaluation of diuretic activity of aqueous and alcoholic rhizomes extracts of Costus speciosus Linn in Wister albino mice. *International Journal of Research in Ayurveda,* 1(2): 648-652.

Edeoga H.O, Okoli B.E (2000). Chromosome numbers of costus (ucanusianus costaceae) in Nigeria. *Folia Geobotanica,* 35:315 – 318.

Ekpe, I., E. O. Udosen, and D. Amaechi (2018) “Evaluation of some vitamins and macro-nutrients composition of ethanolic extract of *tecoma stans* and *Costus afer* leaves,” *International Journal of Biochemistry Research & Review,* 23(4): 1–5.

Ekpo, B., D. N. Bala, E. E. Essien, and S. A. Adesanya (2008). “Ethnobotanical survey of Akwa Ibom state of Nigeria,” *Journal* *of* *Ethnopharmacology*, 115(3): 387–408.

EL-far, A. H., and Abou-Ghanema II. (2013). Biochemical and hematological evaluation of Costus speciosus as a dietary supplement to Egyptian buffaloes. *African Journal of Pharmacy and Pharmacology,* 7(42): 2774-2779.

El-Gamal, Nadia, G. (2003). Usage of some biotic and abiotic agents for induction of resistance to cucumber powdery mildew under plastic house conditions. *Egypt. J. Phytopathol,* 31(1-2): 129-140.

El-Kazzaz, M.K., El-Assiuty, E. M., Badr, M.M., El-Zahaby, H. M. and Gouda, M.I. (2003). *Effect of some plant extracts and essential oils on controlling sugar beet root rot disease caused by Sclerotium rolfsii Sacc*. Proc. 10th Congress of Phytopathology, Giza, Egypt, December. 237-248.

Ezejiofor, N., C. N. Orish, and O. E. Orisakwe (2015) “Morphological changes in the pancreas and glucose reduction of the aqueous extract of *Costus afer* leaf on alloxan-induced diabetic rats. *Journal of Basic and Clinical Physiology and Pharmacology,* 26(6): 595–601.

Ezejiofor, N., C.N. Orish and E. Orisakwe (2014). Cytological and biochemical studies during the progression of alloxaninduced diabetes and possible protection of an aqueous leaf extract of *Costus afer.* *Chinese Journal of Natural Medicines*, 12(10): 745–752.

Ezejiofor, N., Z. N. Igweze, N. A. Udowelle, and O. E. Orisakwe (2017) “Histopathological and biochemical assessments of Costus afer stem on alloxan-induced diabetic rats,” *Journal of Basic and Clinical Physiology and Pharmacology,* 28(4): 383–391.

Fatahalla A., Hussein A., Amna K., Hanin N., Remah B., Sarfaraj H. (2019). A study of Anti-bacterial, Anti-fungal Activities of Ethanolic and Aqueous Extracts of *Costus speciosus*. *The Pharmaceutical and Chemical Journal,* 6(1):11-18

Harborne J. (1973) P*hytochemical Methods: A guide to Modern techniques of Plant analysis,* Chapman and Hall, London, 89-131.

Irobi ON; Moo Young M; Anderson WA; Daramola SO. (1994). *Int J Pharmacogn*. 34 (2), 87-90.

Jesus, M., A. P. Martins, E. Gallardo, and S. Silvestre (2016) “Diosgenin: recent highlights on pharmacology and analytical methodology. *Journal of Analytical Methods in Chemistry,* (16): 4156293.

Karthikeyan, J., Reka, V and Giftson, R. V. (2012). Characterization of bioactive compounds in Costus speciosus (Koen.) by reverse phase HPLC. *International Journal of Pharmaceutical Sciences and Research,* 3(5): 1461-1465.

Karthikeyan, J., Reka, V and Giftson, R. V. (2012). Characterization of bioactive compounds in Costus speciosus (Koen.) by reverse phase HPLC. *International Journal of Pharmaceutical Sciences and Research,* 3(5): 1461- 1465.

Mary C. Ejiogu, Innocent O. Ezeibekwe and kelechukwu E (2016). Antifungal activity of the plant costus afer extract on yam (dioscorea species) rot pathogen in owerri. South-east Nigeria. *Journal of Botany and Research,* 1(1): 1-6

Mihiret M., Beemnet M., Begashaw M. (2014). Screening of botanical extracts for the control of lemongrass (*Cymbopogon citratus (DC) Stapf*) rust (*Puccinia nakanishikii L.)* in green house and field condition. *Journal of Agricultural and Crop Research*, 2(10): 197-201.

Okereke, V. C and R. C. Wokocha., (2007). In-vitro growth of four isolates of *Sclerotium rolfsii Sacc.* In the humid tropics*. African Journal of Biotechnology,* 6 (16): 1879-1881.

Okugbo T. and K. Oriakhi. (2015) “A comparative study of in vitro antioxidant activity and phytochemical constituents of methanol extract of *aframomum melegueta and Costus afer* leaves,”. *Jordan Journal of Biological Sciences,* (8)4: 273–279.

Omokhua, G. (2011). “Medicinal and socio-cultural importance of *Costus afer* (KerGrawl) in Nigeria,”. *African Research Review*, 5(5): 282–287.

Oxoid. (1985) *Oxoid manual of Dehydrate Culture media, ingredients and other laboratory services.* Basingstoke, England, 23-26.

Rahman, M., D.M. Hossain, T.K. Dey, S.R. Sarker, M. Nonaka and N. Harada (2015). First Report of White Mould Caused by *Sclerotinia Sclerotiorum* On Marigold *(Tagetes Erecta*) In Bangladesh. *Journal of Plant Pathology,* 97 (2), 391-403

Robinson, J. P., Britto, S. J and Balakrishnsn V. (2009). Micropropagation of Costus speciosus (Koem, ex.retz) Sm., An Antidiabetic plant by using explants of Pseudo stems. *Botany Research International,* 2(3): 182-185.

Schwartz, H., R.M. Harveson and J.R. Steadman (2011). Dry Bean Production and Pest Management. University of Nebraska. *Portions are from regional Extension publication* 562A.

Singh, U. P., Prithiviraj, B., Singh, K. P. and Sarma, B. K. (2000). Control of powdery mildew (*Erysiphe* *pisi*) of pea (*Pisum* *sativum*) by combined application of plant growth promoting. *Zeitschrit-planzenkrankheiten und planzenschutz,* 107:59-66.

Srivastava, S., Singh, P., Jha, K. K., Mishra, G., Srivastava, S., Khosa, R. L. (2011). Anthelmintic activity of aerial parts of *Costus speciosus. International Journal of Green Pharmacy,* 5: 325-328.

Tabil M. (1995). *Studies on nematicidal potential of Chenopodium species on Meloidogyne incognita infecting tomato.* M.Sc. Thesis, Hisar; Haryana Agricultural University.

Taiwo J. and A. Bolanle (2003). “The leaf essential oil of *Costus aferKer-Grawl* from Nigeria. *Flavour and Fragrance Journal,* 18(4): 309–311.

Thabit, Z. A. (2018). Evaluation of some bioactive effect of phenolic compounds in *Costus speciosus* rhizome extract. *Iraqi Journal of Science,* 59(1A): 38-43.

ThankGod, N., C. C. Monago, and F. C. Anacletus. (2014). “Antihyperglycemic activity of the aqueous extract of *Costus afer* stem alone and in combination with metformin,” *European* *Journal of Biotechnology and Bioscience,* 1(5): 19–25.

Tomoko, N., Takashi, A., Hiromu,T., Yuka, I., Hiroko, M., Munekazu, I., and W. Kazuhito., (2002). Antibacterial activity of extracts prepared from tropical and subtropical plants on methicillin-resistant Staphylococcus aureus. *Journal of Health Science,* 48: 273–276.

Trease GE; Evans WC. (1989). *Pharmacognosy*, 13th edition. ELBS Oxford University Press, London, UK, 245-263.

Udem S. and C. K. Ezeasor (2010). “The acute and subchronic toxicity studies of aqueous leaf and stem bark extract of Costus afer ker (Zingiberaceae) in mice. *Comparative Clinical Pathology,* 19 (1): 75–80,

Ukpabi, C., N. Agbafor, K. Ndukwe and Agwu A. (2012). Phytochemical composition of *Costus afer* extract and its alleviation of carbon tetrachloride–Induced hepatic oxidative stress and toxicity*,” International Journal of Modern Botany*, 2(5): 120–126.

Uwah, A., E.G. Ewere, and J. I. Ndem (2015). “Hypoglycemic and haematologic eﬀects of crude stem juice of Costus afer on alloxaninduced diabetic wistar rats,” *American Journal of Ethnomedicine*, 2(4): 2348–9502.

Wedge D., Galindo J., Macias F. (2000). Fungicidal activity of natural and synthetic sesquiterpene lactone analogs. *Phytochem*., 53:747-757.

Zitter, T. A., Drennan, J. L., Mutschler, M. A., and M. J. Kim. (2005). *Control of early blight of tomato with genetic resistance and conventional and biological sprays.* ISHS Acta Horticulturae 695: I International Symposium on Tomato Diseases.