
AYODELE, Muyiwa S.



Degree: B.Sc., M.Sc., Ph.D.

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Department: Biological Sciences

Academic Rank: Professor

Current position:

Research interest: Reproductive Biology and Plant Systematics

General Agriculture; Physiological Crop Pathology (Mycology);

Botany: - Plant Morphology, Cytogenetics, Reproductive Biology & Systematics

DETAILED RESUME

ACADEMIC DEGREES WITH DATE

- Ph.D. Botany (Plant Reproductive Studies, Cytogenetics & Systematics) December 1992.
- M. Sc. Botany (Cytogenetics & Plant Morphology) December 1987.
- M. Sc. Physiological Crop Pathology, October 1978
- B. Sc. (Hons.) June 1973.
- Proficiency Certificate in Cassava Production Technology & Extension Training; May 1975.
- Proficiency Certificate in Practical Training in Plant Protection October 1983

INSTITUTIONS ATTENDED WITH DATE

- Obafemi Awolowo University, Ile-Ife. Nigeria. December 1992.
- University of Ife, Ile-Ife Nigeria. December 1987.
- University of Ilorin, Ilorin. Nigeria. October 1978.
- Agriculture, University of Ife, Ile-Ife. Nigeria. June 1973.
- International Institute of Tropical Agriculture (IITA) Ibadan. Nigeria. May 1975.
- International Agricultural Centre (IAC) Wageningen. The Netherlands. October 1983.

MEMBERSHIP OF PROFESSIONAL BODIES

PRIZES, HONOURS, NATIONAL AND INTERNATIONAL RECOGNITIONS.

- Western State Government Higher School Certificate Course Scholarship (1968/69)

- Western State of Nigeria Cocoa Marketing Board Undergraduate Scholarship 1971
- Netherlands Government Fellowship Award (1983).

COURSES TAUGHT

Trained & supervised students Research activities at undergraduate & postgraduate levels.

RESEARCH CONDUCTED

(a) Research in progress: -

- Reproductive Biology of *Carica papaya*
 - Plant development enhancement role of under-exploited botanicals (*Bryophilum* extract and Coconut milk)
 - Incidence of variation in crown formation on pineapple fruits
 - Biosystematic studies of the *Lagenaria* group (& other Cucurbitaceae)
- Adaptive strategies in plants (morphological, cytological and reproductive)

PUBLICATIONS

5 Dissertations, 42 articles in referred Conference Proceedings & learned Journals; Some Relevant highlights include the followings: -

1. Ayodele, M.S. (1994): Size variations in Pollen of *Vernonia* Schreb.(Asteraceae) of different Plant Growth (Habits) forms. Plant Cell Incompatibility 26: 4-11.
2. Ayodele, M.S. (1994): Studies on the Reproductive Biology of *Vernonia* Schreb. (Asteraceae)
I. Types of inflorescence among different growth habits. Compo Newsl. 25: 15-23.
3. Ayodele, M.S. (1994): Variations in Chromosome counts of some species of *Vernonia* in Nigeria. Plant

Cell Incompatibility 26:12-15.

4. Ayodele, M.S. (1994): Studies on the Reproductive Biology of *Vernonia* Schreb.. (Asteraceae) II. Flowering and post-pollination developments in the capitulum. *Compo Newsl.* 25:24-30.
5. Ayodele, M.S. (1995): Studies on the Reproductive Biology of *Vernonia* Schreb. (Asteraceae). III. Floret shapes number, pappi types and surface structure among different growth habits. *Compo Newsl.* 26: 26-39
6. Ayodele, M.S. (1997): Studies on the Reproductive Biology of *Vernonia* Schreb. (Asteraceae) IV. Seasonal flowering sequence among plant forms *Compo Newsl.* 30: 5-14
7. Ayodele, M.S. (1999): Karyomorphological studies in Some Nigerian species of *Vernonia* Schreb. (Asteraceae) with different growth forms. *Feddes Repertorium* 110 (1999) 7-8,541 - 553
8. Ayodele, M.S. (1999): Studies on the Reproductive Biology of *Vernonia* Schreb. (Asteraceae) V. Fruit production and fruit-set strategies among growth forms. *Compo Newsl.* 34: 9-18
9. Ayodele, M.S. (2001): Morphological Analysis of the ethno taxonomic division of the genus *Capsicum* in southwestern Nigeria. *Nig. J. Hort. Sc.* Vol. 5 (1) 34 – 43
10. Ayodele, M.S. & E. O. Oginni (2002): Utilization of breadfruit (*Artocarpus incisa*) flour for Confectionery products. *Trop. Sci.* 2002 42: 120 - 123
11. Bankole, M.O.; M.S. Ayodele & O.T. Adejumo (2003). The antimicrobial effects of some Asteraceae commonly eaten as vegetables in southwest Nigeria on some enteric pathogens. *Compo Newsl.* 40: 56 - 63
12. Ebofin, A. O.; D. A. Agboola; M. S. Ayodele & A. M. Aduradola (2003): Effect of seed sizes on seedling growth of some savanna tree legumes ASSET Series A (2003)3 (2): 109 – 113.
13. Ebofin, A.O., D. A. Agboola, M. S. Ayodele and A. M. Aduradola (2003). Effect of some growth hormones on seed germination and seedling growth of some savanna tree legumes. *Nigerian Journal of Botany*6: 64 -75
14. Ayodele, M. S. & O. A. Oke (2003). Studies on the potentials of some plant-based community pest management strategies in southwest Nigeria: I. An investigation of the anti-termite potency of *Datura stramonium* L. ASSET Series B (2003) 2 (2): 153 – 159
15. Ayodele, M. S. & A. E. Adegbite (2004). Recent Reports on some chromosome count in some Nigerian species of Asteraceae ASSET Series B (2004) 3 (1): 23-29
16. Adegbite, A. E; M. S. Ayodele & O. F. Ogungbe (2004) Mutagenic effect of aqueous

leaf extract of *Morinda lucida* (BENTH) on *Allium cepa* (L) chromosomes ASSET
Series B (2004) 3 (1): 53-59

17. Adegbite, A. E. & M. S. Ayodele (2004). Cytogenetic and phylogenetic studies in the genus *Vernonia* SCHREB. Feddes Repertorium 115 (2004) 7-8,513-518
 18. Ayodele, M. S. & O. Olorode (2005): A biosystematic evaluation of the relationship between three allopatric shrubby species of *Vernonia* Schreb. (Asteraceae) in Nigeria. Compo Newsl. 42: 8 - 25
 19. Ayodele, M. S. & S. M. Osho (2005). Delimiting morphologically identical varieties of soybean [*Glycine max* (L.) Merr.] using lipoxygenase activity level. Feddes Repertorium 116 (2005) 3-4, 177-182
 20. Ayodele, M. S., O. M. Folarin & S. A. Oluwalana (2005). Pollen population, viscosity and density of locally produced honey. Trop. Sci. 2006, **46**, 192-194
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