

CONTENTS

Title of Paper and Author	Page
Hepatoprotective Effects of Ethanolic Extract of <i>Tridax Procumbens</i> Linn. Against Paracetamol-Induced Hepatotoxic Rats by Inhibiting Inflammatory Response - O. G. Akintunde, K.U. Oyekan, T.M. Oladipo, J.A. Oyewusi, And A.L. Ajayi	1
Determinants of Risk Management Strategies and Household Income Sources among Rice Farmers in Kebbi and Ebonyi States, Nigeria - A. I. David, Y. U. Oladimeji, O. Yusuf, A. S. Hussaini, S. Abdulrahman, C. U. Uchendu, M. A. Owolabi, ¹M. Umar	14
Assessment of Antimicrobial Activities of Zinc Nanoparticles Synthesized from Aqueous Leaf Extracts of <i>Ocimum Gratissimum</i> and <i>Vernonia Amygdalina</i> - J. A. Aremu	28
Ameliorative effect of <i>Blighia sapida</i> (K.D. Koenig) extracts on Water Quality Parameters, Liver and Gill of African Catfish, <i>Clarias gariepinus</i> Exposed to Kerosene-Induced Toxicity - M.B. Adekola, A. O. Akinde, O. C. Ojelade, S.A. Olurode, S.A. Adeleye, E.O. Kehinde, B.T. Adewale, A.T. Oseni	41
Development and Performance Evaluation of a Slicing Machine - A. E. Olumilua, B. J. Olorunfemi, O. T. Oginni And S. E. Kayode	56
Proximate Composition, Functional and Colour Properties of Extruded Snacks from Fermented Sorghum-Pumpkin Leaf Composite Flour - O. A. Ojo, C. Osemene, E. K. Oke, E. O. Oni, J. A. Bamidele, A. O. Obadina	74
Digital Twin Performance Assessment on an Electric Vehicle and Comparative Cost Analysis With Gasoline Vehicle - A. P. Osasona, B. J. Olorunfemi, O. T. Oginni and A. A. Adekunle	87
Automated Bird Scaring System: A Review - F.O. Durodola, S.I. Eludiora, S.O. Owoeye, P.O. Omotainse, O.O.Oduntan, B.B. Alake	99
Control of Aflatoxin-producing Moulds in Dried Cow-skin Hide (Ponmo Ijebu) using Catnip Leaf Extract - E.O. Oni, O.F. Akinyemi, E.T. Obiwole, A.O. Ojo, A.O. Atayese, O.V. Odemakinde, J.O.F. Sanusi	112

CONTENTS

Title of Paper and Author	Page
Effects of Processing Method on the Nutritive Quality of Guanacaste Tree (<i>Enterolobium Cyclocarpum</i>) Seeds - F.O. Nwaezeigwe, W.O. Alegbeleye, W.O. Abdul, A.V. Jegede, O.A. Akinde	123
Development of a Digital Map for Federal University of Agriculture Abeokuta using Geographic Information System (GIS) - F. Durodola, S. Owoeye, A. Jolaosho, T. Okesola, K. Oluwafemi	138
Adaptive Four-Junction Traffic Light Controller Using Computer Vision - S. Owoeye, F. Durodola, O. Ipinnimo, D. Fadipe, E. Iribhogbe, M. Ogunsakin	155
Effects of Methanolic Extract of <i>Parquetina nigrescens</i> on Bacterial Translocation in Wistar Rats Subjected to Experimental Intestinal Ischemia-Reperfusion Injury - O.A. Makinde, A.K. Oduneye, A.O. Adeyeye, E.O. Omoshaba, A.M. Jooda	164
Multivariate Logistic Regression Analysis of Depression Risk Factors Among Nigerian University Students - O.A. Wale-Orojo, S.O. Omotayo, A.O. Ajayi, O. Ojebode, O. Oguntoke	176
Preliminary Phytochemical Screening of Healthy <i>Solanum lycopersicum</i> L. Leaves Using Gas Chromatography- Mass Spectrometry (GC-MS) - C.T. Senjobi., C. J. Eze., O.T. Ogunmefun A. A. Olubode., A. H. Senjobi., O. E. Soremekun., O.C. Okechukwu., O. I. Lawal., Ettu, A.O	189
Evaluation of the Phytochemical Composition, Antioxidant Constituents, Nutritional and Anti-Nutritional Qualities of Avocado, Cucumber and Date Fruits - M.M. Adeyanju, O.O. Otuewu, R.A. Adebayo-Adewunmi, O.F. Ajiboye, S.A. Akapo, T.H. Bello, E.S. Omirin, O.O. Olubomehin	203
Characterization of Groundwater Sources Using Hydrogeophysical and Biogeochemical Techniques in Papalanto, South-West Nigeria - S.A. Ishola	217
Bilateral Abdominal Cryptorchidism with Severe Testicular Atrophy and Sertoli Cell-Only Syndrome in a 15-Month-Old Boerboel Dog: A Case Report - O.A. Makinde, A.O. Egbetade, A.A. Adebisi, L. Mustapha, T.M. Oladipo, M.E. Okandeji, A.K. Kadiri, A.F. Makinde	256

CONTENTS

Title of Paper and Author	Page
Comparative Assessment of Pre- and Post-Emergence Applications of Cassava Mill Effluent for Weed Management - O. P. Ayodele, J. O. Amosun, I. J. Imomoh, O.A. Aluko	265
Evaluation of Mexican Sunflower (<i>Tithonia diversifolia</i>) and Guinea Grass (<i>Megathyrsus maximus</i>) Mulches on Weed Suppression and Kenaf (<i>Hibiscus cannabinus</i>) Growth - J. O. Amosun, O. P. Ayodele, I. O. Udemba, O. A. Aluko, C. T. Babalola	276
Biochemical Composition of Kenaf (<i>Hibiscus cannabinus L.</i>) Seeds as Influenced by Storage Condition - T. O. Kehinde, T. D. Atanda, J. A. Adetumbi, M. M. Shittu, M. A. Adebisi, Y. O. Alawode, W. Azeez, A. A. Salawu	288
Guide to Authors	298
Table of Content	301