

## CONTENTS

1	<b>Ringal (a dwarf bamboo): Resource Use Pattern</b> Balwant Kumar	1-5
2	<b>Biodiversity Conservation and Sustainable Rural Development in the Garhwal Himalaya</b> Sumeet Gairola, C.M. Sharma, S.K. Ghildiyal, Sarvesh Suyal, C.S. Rana and D.S. Butola	6-12
3	<b>The real Cause for relative motion of bodies - force or energy?</b> Anemut Denkaem	13-17
4	<b>An Investigation into the Potentials of Dactyladenia bacteri; Dialum guineense; and Anthonota macrophylla for Paper Pulp Production</b> EZEIBEKWE, I.O; OKEKE, S.E; UNAMBA, C.I.N and OHAERI, J.C.	18-25
5	<b>Cassava Production Systems Improved With Groundnut And Poultry Manure</b> P.O. Anyaegbu, I.O Ezeibekwe Amaechi, E.C.C and C.P.E Omaliko	26-31
6	<b>Proximate Analysis and Mineral Composition of Edible Mushrooms in Parts of South Eastern Nigeria</b> Ezeibekwe, I.O, Ogbonnaya, C.I, Unamba, C.I.N and Osuala, O.M	32-36
7	<b>Comparative Effect of Poultry Manure and Urea on the Growth and Yield of Maize (Zea mays)</b> Ezeibekwe, I.O, Ogbonnaya, C.I and Onuoha, C.I	37-40
8	<b>Toxin Production By Fungi Isolated From Rotten Pawpaw Fruits In Parts Of Imo And Abia States Of Nigeria</b> Ezeibekwe, I.O, Ofong, A.U, Mbagwu, F.N and Unamba, C.I.N	41-44
9	<b>Response of Benthic Macroinvertebrate Community to Salinity Gradient in a Sandwiched Coastal Lagoon</b> Roland Efe Uwadiae	45-55
10	<b>Feeding Management Practices of Small holder Turkey Farmers in the Warm Wet Tropical Environment of Imo State, Nigeria</b> Ifeanyi C. Okoli, Chibuzo H. Nwaodu and Martin C. Uchehgbu	56-58
11	<b>Socio-cultural Characteristics of Educated Small Holder Pig Farmers and the Effects of Their Feeding Practices on the Performance of Pigs in Imo State, Nigeria</b> I. C. Okoli, Ogechi R. Alaoma, M. N. Opara, M. C. Uchehgbu, C. T. Ezeokeke, C. S. Durunna, F. N. Nnadi F. C. Iheukwumere and N. J. Okeudo	59-65
12	<b>Toxicity of solvents exposure on the neuroendocrine system in rats: Role of amino acids supplementation</b> Hanaa H. Ahmed, Fateheya M. Metwally, Hend M. Rashad	66-83
13	<b>Comparative Evaluation of Three Commercial feeds on the performance of Broilers Martin Chukwuma Uchehgbu., Nkiruka Maureen Irechukwu, Apeh Akwu Omede., Chibuzo Hope Nwaodu., George Akalefu Anyanwu., Ifeanyi Charles Okoli and Adiva Boniface Ikeli Udedibie</b>	84-89
14	<b>Comparative Study Of Some Macrofauna In Sugarcane‘Fadama’ And Savanna Upland Soils</b> Goshie, Samuel Ndagi	90-93

## CONTENTS

1	<b>Stability Analysis of Seed Germination and Field Emergence Performance of Tropical Rain-fed Sesame Genotypes</b> Adebisi, Moruf Ayodele	1-8
2	<b>A Note on Micro Tuber Seed Production of Potato: Necessitate Step for Uttarakhand Hills</b> Anoop Badoni and J. S. Chauhan	9-11
3	<b>Importance and Problems in Natural Regeneration of <i>Spondias pinnata</i></b> Anoop Badoni and Chetna Bisht	12-13
4	<b>Effect of Velocity of Cleaning Pigs on the Efficiency of Fluid Delivery in the Piggged Pipeline System</b> Chukwuka Ikechukwu Nwoye, Udeme Okure, Uzoma Odumodu and Chizoba Chinedu Nwoye	14-18
5	<b>Studies on Inhibition of Microbial Induced Corrosion through Biocide Injection and Determination of Conditions for Assurance of Pipeline Integrity</b> Chukwuka Ikechukwu Nwoye, Reginald Ejimofor, Udeme Okure, Uzoma Odumodu, Chizoba Chinedu Nwoye, Okechukwu Onyebuchi Onyemaobi	19-24
6	<b>Thermodynamic modeling of an irreversible dual cycle: effect of mean piston speed</b> Rahim Ebrahimi	25-30
7	<b>The Water Chemistry, Phytoplankton Biomass (Chlorophyll <i>a</i>), Episammic and Periphytic Algae of the Apese Lagoon, Lagos</b> Onyema, I.C	31-40
8	<b>The ecology and natural food components of <i>Pachymelania aurita</i> MÜLLER (Gastropoda: Melaniidae) in a Coastal lagoon</b> Uwadiae RE, Edokpayi CA and Egonmwan RI	41-48
9	<b>Standardization Of Cultural Conditions For Maximum Vanillin Production Through Ferulic Acid Degradation</b> Prakash Kumar Sarangi, Hara Prasad Sahoo	49-51
10	<b>Role of Fulvic Acid on Reduction of Cadmium Toxicity on Nile Tilapia (<i>Oreochromis niloticus</i>)</b> Ahmed E. Noor EL Deen , Mona S.Zaki and Hussan A. Osman	52-57
11	<b>Synthesis, Spectroscopic, Thermodynamic And Dyeing Properties Of Disperse Dyes Derived From 2-Amino-4-Trifluoromethylbenzothiazole</b> I.A. Bello, K.A. Bello, Peters O.A. and O.S Bello	58-66
12	<b>Phytochemical and Antimicrobial Properties of Four Herbs from Edo State, Nigeria</b> R. I. Okoli, A. A. Turay, J.K. Mensah and A.O. Aigbe	67-73
13	<b>The Effects of Inorganic Fertilizer on the Yield of Two Varieties of Cucumber (<i>Cucumis sativus</i> L.)</b> Ehiokhilen Kevin Eifediyi, Samson U. Remison	74-80
14	<b>Effect of Time of Planting on the Growth and Yield of Five Varieties of Cucumber (<i>Cucumis sativus</i> L.)</b> Ehiokhilen Kevin Eifediyi, Samson U. Remison	81-90

## CONTENTS

<b>1</b>	<b>Application of some medicinal Plants to eliminate <i>Trichodina</i> sp. in tilapia (<i>Oreochromis niloticus</i>)</b> Ahmed I.E. Noor El Deen and Razin, A.Mohamed	<b>1-5</b>
<b>2</b>	<b>Biochemical, Clinicopathological and Microbial Changes in <i>Clarias Gariepinus</i> Exposed to Pesticide Malathion and Climate Changees</b> Mona S. Zaki; Susan O. Mostafa; Soad Nasr ' Noor El Deen A I, Nagwa S. Ata' Isis M Awad	<b>6-11</b>
<b>3</b>	<b>Acetylation of Some Azo Dyes and Its Effects on the Thermodynamic Parameter, Colour and Fading Values on Nylon 6, 6 and Wool Fabric</b> Bello, I.A, Bello, K.A., Peters, O.A. Giwa, A.A., Yakubu, M.K., O.S Bello	<b>12-17</b>
<b>4</b>	<b>Assessment of Top Soil Quality in The Vicinity of Subsided Area in the South Eastern Part of Jharia Coalfield, Jharkhand, India</b> Arvind Kumar Rai Biswajit Paul Gurdeep Singh	<b>18-23</b>
<b>5</b>	<b>Potential Role of Arginine, Glutamine and Taurine in Ameliorating Osteoporotic Biomarkers in Ovariectomized Rats</b> Hanaa, H.Ahmed and Amal H. Hamza	<b>24-35</b>
<b>6</b>	<b>The Genotoxic Effect of Sewage Effluent on <i>Allium Cepa</i></b> Michael C. Ukaegbu and Peter G.C. Odeigah	<b>36-41</b>
<b>7</b>	<b>The Source of the Peano Axioms</b> Kees Beukering	<b>42-44</b>
<b>8</b>	<b>The Impact of Maternal Micronutrient Levels on Risk of Offspring Neural Tube Defects in Egypt</b> Eman M. El-Sayed, Sahar A. Abdelaziz and Maha M. Saber Abd El Latif	<b>45-50</b>
<b>9</b>	<b>Zooplankton Dynamics and Chlorophyll a Concentrations at The Tomaro Creek In Relation To Water Quality Indices</b> Onyema, I.C.	<b>51-64</b>
<b>10</b>	<b>Combating Climate Change in Kenya: Efforts, Challenges and Opportunities</b> Anne Nyatichi Omambia, Ceven Shemsanga, Yilian Li	<b>65-76</b>
<b>11</b>	<b>Evaluating The Contribution Of Poultry Manure Application For Sustainable Crop Yield In Cassava ( <i>Manihot Esculenta</i>)Based Cropping Systems</b> Anyaeibu .P.O	<b>77-86</b>
<b>12</b>	<b>Correlation and Paths Analysis between Stem Diameter and other Juvenile Growths Traits in Twelve Gum Arabic (<i>Acacia senegal</i> (L) Willd) Provenances</b> Fakuta N. M. and Ojiekpon, I. F.	<b>87-90</b>
<b>13</b>	<b>Dietary Methionine Requirement Of <i>C. Gariepinus</i> Fingerlings And Its Effect On The Growth And Body Composition</b> Ovie S. O. and Eze S.	<b>91-95</b>
<b>14</b>	<b>Salinity and Arsenic Threat in the irrigated fields of Mekelle Plateau of the northern Highlands of Ethiopia</b> Fassil Kebede	<b>96-102</b>
<b>15</b>	<b>Isolation of Methicillin Resistant <i>Staphylococcus aureus</i> (MRSA) from AIDS Patients Attending State Specialist Hospital, Yola and Federal Medical Centre, Yola, Adamawa State, Nigeria</b> Martha A, Nandita De, Ismaila Yada Sudi, and Lynn Ma'ori	<b>103-107</b>