



Odunayo C. Adebooye (Autor)  
Kehinde A. Taiwo (Autor)

## **Biotechnology Development and threat of Climate Change in Africa**

### The Case of Nigeria - VOLUME 2

Alexander von Humboldt Stiftung/Foundation  
Bonn, Germany



### **Biotechnology Development and threat of Climate Change in Africa: The Case of Nigeria**

**VOLUME 2**



*Edited by*

Odunayo C. Adebooye PhD  
Kehinde A. Taiwo PhD  
Andrew A. Fatufi PhD



Cuvillier Verlag Göttingen  
Internationaler wissenschaftlicher Fachverlag

<https://cuvillier.de/de/shop/publications/699>

Copyright:  
Cuvillier Verlag, Inhaberin Annette Jentzsch-Cuvillier, Nonnenstieg 8, 37075 Göttingen,  
Germany  
Telefon: +49 (0)551 54724-0, E-Mail: [info@cuvillier.de](mailto:info@cuvillier.de), Website: <https://cuvillier.de>

## Table of Content

Foreward.....	v
From The Editor .....	vii
Assessment Of Fish Farmers' Perception Of Climate Change And Adaptation Strategies In Nigeria: Osun State Experience.....	1
<b>Adesoji S.A and A.J. Farinde</b>	
Grain Insect-Pest Disinfestations In A Situation Of Climate Change: Towards Adoption Of Gender Responsive Postharvest Technologies For Sustainable Agricultural Development In Nigeria.	16
<b>O. F. Deji, R. Vadivambal, N. D. G. White, D. S. Jayas</b>	
Evaluation And Data Interpretation To Rainfastness Of Foliar-Applied Agrochemicals.....	31
<b>Mauricio Hunsche and Georg Noga</b>	
Assessment Of Lagosians' Perception Of Climate Change As A Public Health Concern.....	41
<b>Kalesanwo, O. O. Fatona, P. Olugbenga, Musah, K. Toyina</b>	
Important Engineering Issues In The Post Harvest Technology And Quality Assurance For Fruits And Vegetables In Africa.....	53
<b>B. A. Adewumi</b>	
Climate Change, Agricultural Productivity And Biotechnological Implications In South- Western Nigeria.....	63
<b>R. Kassali</b>	
Agriculture And Weather Variability: How Local Farmers Mitigate Climate Shocks In South-Western Nigeria.....	76
<b>Kolawole, Oluwatoyin Dare; Agboola, Abiodun Folarin; Okorie, Victor Ogbonnaiya; and Ojubanire, Michael</b>	
Application Of Probiotics In Aquaculture: Alternative To Use Of Antibiotics: A Review .....	89
<b>Nwanna, L. C</b>	
The Impact Of Climate Change On Human Security: A Case Study Of Nigeria.....	103
<b>Danjuma D. Jise, Obadiah Samuel</b>	
"What Role Can Biotechnology Play In Mitigating The Adverse Effects Of Climate Change On Crop Production?" .....	120
<b>I. O.Obisesan</b>	
Climate Variability For Sustainable Food Crop Production: Implications For Agricultural Extension Delivery In Nigeria.....	137
<b>A. B. Sekumade and S. A. Adesoji</b>	
Strategic Feeding Of West African Dwarf (Wad) Sheep With Fat – Supplemented Concentrate Diets As Means Of Reducing Nitrogen Emission.....	149
<b>J.A. Odedire</b>	
Genetic Fingerprinting Of Nigerian Population Of <i>Xanthomonas Axonopodis Pv Manihotis</i> Using Amplified Fragment Length Polymorphism .....	156
<b>Ogunjobi A.A; and Fagade O.E</b>	
Extractable Metals And Physicochemical Properties Of Some Southwestern Nigerian Soils .....	166
<b>Okoya A. A., Asubiojo O. I. and Amusan A. A.</b>	

Climate Change And The Maximization Of Nigeria's Food Resources .....	177
<b>S.R.A. Adewusi, M.O. Ilori and O. Oluwasola</b>	
Seasonal Variability In Production And Availability Of Fish And Fish Products In Rural Nigeria....	189
<b>I. B. Oluwatayo, B. W. Olute and A. B. Sekumade</b>	
Analysis Of Sequence Homology And Divergence Of Drought Tolerant Genes In Plants .....	201
<b>Opabode, J.T. and O. A. Akinyemiju</b>	
Soil Carbon Dioxide Evolution In Response To Agricultural Land Use .....	211
<b>Oyedele D.J. and Tijani F.O.</b>	
Promoting Sustainable Agriculture In A Perturbed Environment:	
The Role Of Science And Technology.....	217
<b>Maruf Sanni, A. A. Egbetokun, A.D. Dada, R. B. Muritala and W.O. Siyanbola</b>	
Dispelling The “Fallacy” Of Climate Change: Perception And Attitude Of Youths In Ile-Ife, Nigeria Towards Climate Change. ....	226
<b>Titilayo Ayotunde, Agunbiade Ojo Melvin</b>	
“So That Our Earth Shall Not Die”: The Environmental Imagination Of Niyi Osundare's <i>Village Voices And The Eye Of The Earth</i> .....	234
<b>Chijioke Uwasomba</b>	
Climate Change And Environmental Degradation In Nigeria's Niger Delta: The Imperative For Environmental Justice As A Comprehensive Policy Framework .....	250
<b>Sharkdam Wapmuk</b>	
<i>Ex-Situ</i> Biodiversity Conservation: Possibilities Of Low-Cost Seed Gene Bank Operations In South Western Nigeria .....	261
<b>I. O. Daniel</b>	
Determination of some Endocrine Disruptors in a Sewage Treatment Oxidation Pond and a Receiving Stream by High Performance Liquid Chromatography and Inductively Coupled Plasma-Mass Spectrometry .....	273
<b>N. Torto, A. O. Ogunfowokan, E. K. Okoh, and A. A. Adenuga</b>	