



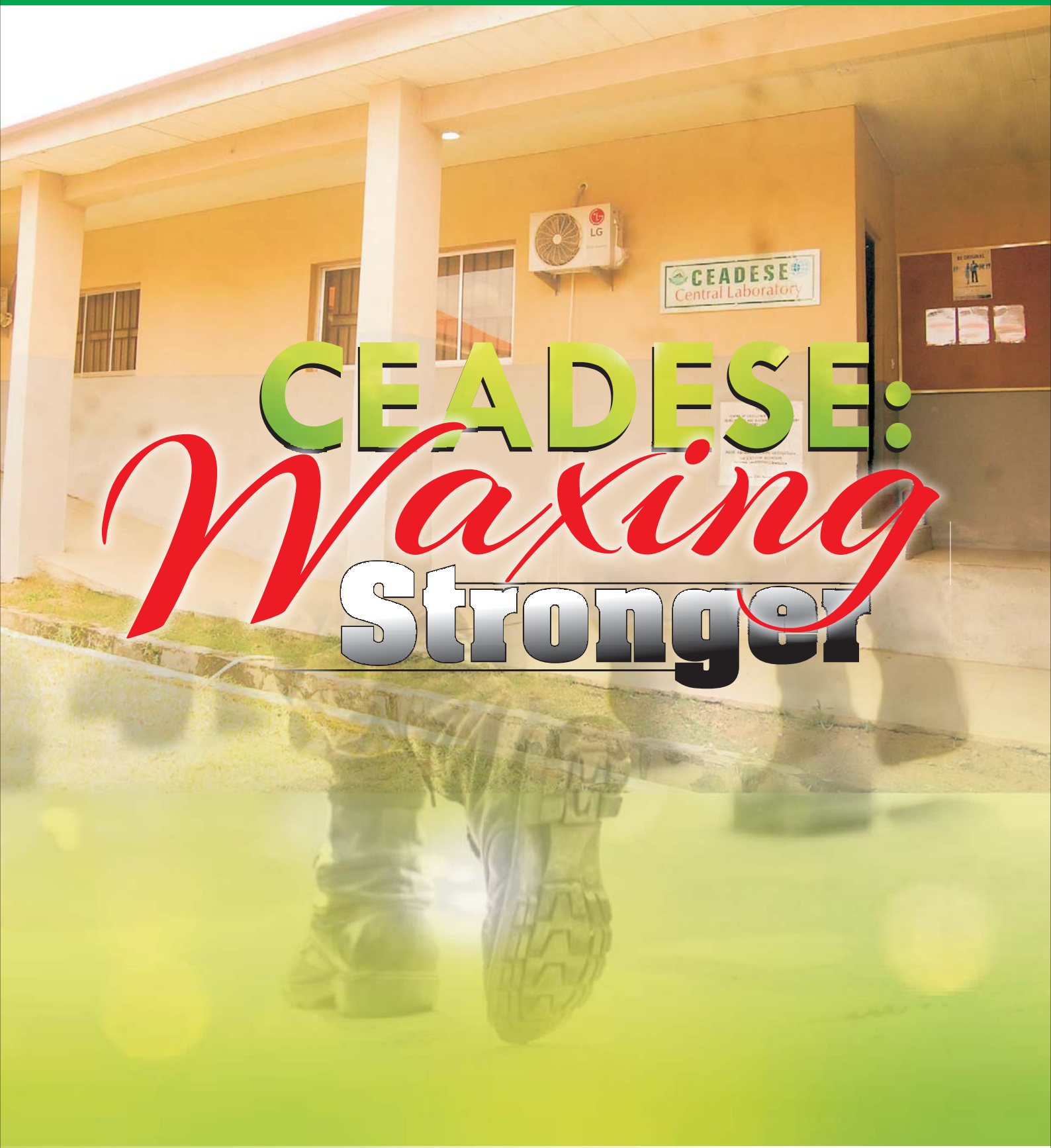
# CEADESE *Newsletter*



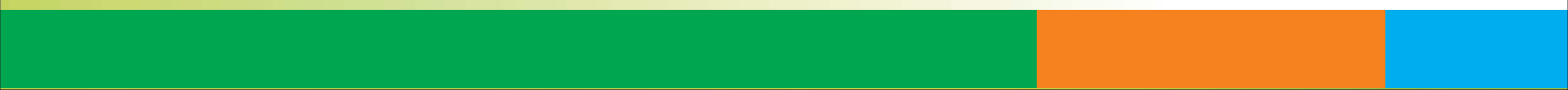
World Bank Africa Centre of Excellence in  
Agricultural Development and Sustainable Environment

A publication of the CEADESE-FUNAAB

Vol. 1 No.1 Jan.- March, 2019



# CEADESE: *Waxing* Stronger

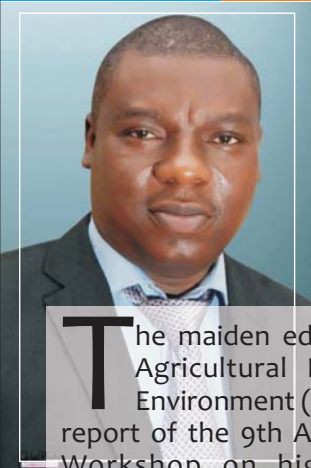


# CEADESE Newsletter

World Bank Africa Centre of Excellence in  
Agricultural Development and Sustainable Environment

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Vol. 1 No.1 Jan.- March, 2019



## Editorial

The maiden edition of Centre of Excellence in Agricultural Development and Sustainable Environment (CEADESE) Newsletter focuses on report of the 9th Africa Centre of Excellence (ACE) Workshop on higher education fair held in Ouagadougou, workshop, hands-on practical and interactive international workshop on learning technologies in the 21st century innovative instructional methods tools and techniques, International Workshop on Climate Change, a-day workshop on how to improve research citations, report on National Accreditation of Postgraduate programmes by National Universities Commission (NUC), communique issued at the end of CEADESE retreat, informational about CEADESE students' internship programme, Advertisement for admission into CEADESE Specialised postgraduate programmes for 2018/2019 Academic session, list of staff in CEADESE and it also covers information on students that have successfully completed and defended their dissertations and theses.

The quarterly Newsletter will continue to be a veritable platform for sensitizing and projecting CEADESE programmes by reporting its new developments and breakthroughs.

**Communications Officer,  
Professor, Olusegun Folorunso**

### Publisher

World Bank Africa Centre of Excellence in Agricultural Development and Sustainable Environment, Federal University of Agriculture, Abeokuta.

## Dear Reader,

I am delighted to introduce the maiden edition of CEADESE Newsletter. This is rather late, but as the saying goes, it is better late than never! We intend to make it a regular publication on quarterly basis and to use it to keep our esteemed readers in touch with news and developments which relate to our mandate of teaching, learning, research and community engagements. In this and future editions, as part of transparency policy of World Bank, we shall be reporting decisions and discussions of activities which take place at CEADESE, share information from Africa Centres of Excellence (ACEs), National Universities Commission (NUC), Association of African Universities (AAU), World Bank (WB) and other partners of CEADESE.

Finally, may I thank the CEADESE Communications officer, Professor Olusegun Folorunso and his team for making this edition possible as part of the efforts in improving CEADESE visibility.

Centre Leader/Director,  
Professor Olukayode Akinyemi

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## BRIEF HISTORY OF CEADESE

Following a competitive application for the establishment of Centres of Excellence in the West-African/Central African Sub-region, the Federal University of Agriculture, Abeokuta was awarded the Centre of Excellence in Agriculture in 2013. The Centre named as Centre of Excellence in Agricultural Development and Sustainable Environment (CEADESE) officially took off in FUNAAB on 16th February, 2014, following approval at a University Special Senate Meeting.

CEADESE was established to strengthen human and material capacity for agricultural development. The Centre mainly focused on teaching, learning and research excellence in agricultural productivity in the face of climate change challenges. The action plans needed to achieve these objectives were divided into two broad activities: capacity

building and research activities in collaboration with industry and other stakeholders in Agriculture.

The capacity building programme involves introducing new post-graduate curricula leading to Master & Doctoral Degrees in Agricultural Development and Sustainable Environment – (M.AgSE/PhD AgSE) in response to specific productivity challenges, short-term skill acquisition for industry stakeholders, specialized workshops and introduction of internships during post-graduate studies. The action plan for research programme consists of partnering with regional and international centres to conduct postgraduate students' research that are demand-driven and will lead to regional development. This is intended to forge closer relation with industry and stakeholders in Agriculture in order to respond to their developmental needs through

demand-driven research projects.

In addition, the Centre embarked on thematic agricultural research projects of international interests targeted at mitigating climate and environmental challenges in the sub-region.

The M.AgSE /PhD AgSE degrees has six (6) programmes namely:

1. Livestock Science and Sustainable Environment Programme
2. Agricultural Economics and Environmental Policy Programme
3. Crop / Pasture Production and Sustainable Environment Programme
4. Food Processing and Value Addition Programme
5. Environmental Systems and Climate Change Programme
6. Agricultural Mechanization and Sustainable Environment Programme.



## CEADESE SHINES @ACE FAIR

The Ninth ACE workshop, on Higher Education Fair was held at 2iE Campus, Ouagadougou, Burkina Faso. Most ACE-based Higher Education institutions participated. Each participating ACE institution attended with their students, Professors, managers of higher education etc. The goal of the ACE Higher Education fair was to provide an interactive platform and to inform students and faculty, about the programs offered by the ACEs. Meanwhile, the fair provided a platform for all ACEs to present and promote local and international programmes and activities through faculty presentations, brochure and picture displays; faculty exchange opportunities for faculty interested in joining the ACEs; opportunities to all ACEs to recruit students to their various courses by offering face-to-face interactions with aspiring students, career guidance; working professionals planning to pursue further studies Africa; and opportunities to students and faculties to better know World Bank activities and achievements, and be part of the World Bank potential staff roster.

The Africa Centre of Excellence (ACE) in Agricultural Development and Sustainable Environment (CEADESE) fully participated in the programme with the Vice-Chancellor, Professor Felix Kolawole Salako, leading the team, also present are



*VC FUNAAB (Prof. Kolawole Salako), Centre Director, Prof. O. D. Akinyemi, Prof. Segun Alegbeleye and Mrs. Olatunji (NUC)*

Director and Deputy Director, CEADESE, Professor Olukayode Akinyemi and Dr. Adeboye Fafiolu respectively. Some Programme Leaders, Professor Carolyn Afolami and Dean postgraduate School, Professor Wilfred. Alegbeleye. At the fair the representatives of Association for African Universities (AAU), World Bank(WB) and National Universities Commission(NUC) visited the stand of CEADESE and interactions were made.



*Centre Director, Prof. O. D. Akinyemi and International World Bank ACE Expert (Andrea Bloom)*



*Betty Kajoh (Excel, USA) during the workshop*

## CEADESE *Organises* Workshop on Learning Technologies

In recent years, advancement in technology has led to the development of modern tools to ease teaching, learning and the assessment of students. In Nigeria and other Sub-Saharan African countries, the use of instructional methods and tools are not widespread due to lack of awareness and/or skills to use them. To address these challenges, the Centre of Excellence in Agricultural Development and Sustainable Environment (CEADESE), Federal University of Agriculture, Abeokuta (FUNAAB), Ogun State, recently organised a five-day “Hands-on-practical and Interactive International Workshop on Learning Technologies On the 21st Century Innovative Instructional Methods, Tools and Techniques”.

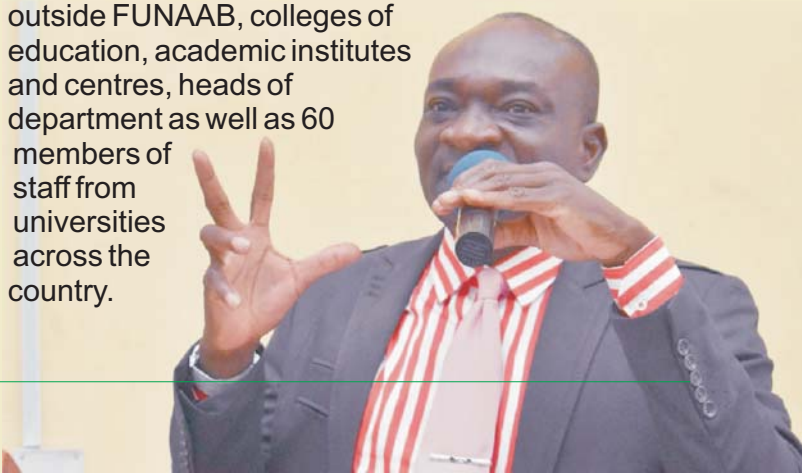
The workshop was designed to empower staff of Higher Educational Institutions (HEIs), to transit from the traditional format of delivering instruction and assessment to innovative and technology-driven methods. The event was to develop the much-needed skills in participants, to use innovative, instructional methods and modern technology tools, to enhance learning experience for all learners as well as encouraging transition from traditional face-to-face lecture style of delivering content and assessment.

Declaring the workshop open, the Vice-Chancellor of FUNAAB, Professor Felix Salako, implored participants to build network and capacity to foster local and international exchange and cooperation. The Vice-Chancellor noted that the workshop was an opportunity for stakeholders in higher institutions of learning, to discuss and map out strategies for effective engagement of students in the learning process. Professor Salako, a Fellow of the Soil Science Society of Nigeria (FSSN), also stressed the need to innovate and improve on content delivery to the ever-

increasing students’ population.

The Director of CEADESE, Professor Olukayode Akinyemi, noted that educational research on how the human brain learn things had yielded new and more effective instructional pedagogy and approaches, adding that advancement in technology had also led to the development of modern tools to ease teaching, learning and assessment of students. The training was facilitated by a seasoned and experienced educational and curriculum development expert; Betty Kajoh, the Chief Executive Officer, Excel Educational Global Consult Limited, Houston, Texas, United States of America (USA).

Participants at the workshop acquired skills on the use of student-centred instructional methods and modern tools in improving ways of their content delivery and assessment practices. Additionally, the participants were equipped with the technical know-how of cutting-edge innovations while some of the topics discussed comprise: Trends in Education in the 21st Century; Multiple Intelligences and Implication for Practice; Innovative Methods of Teaching; Web-based Tools for Teaching, Assessing and Collaborating; Developing E-content for the Smart Classroom I: Multimedia Presentations; and Developing E-content for the Smart Classroom II: MP3 Files. Participants at the workshop include six current and former directors of academic centres, two deputy deans/directors, 10 professors within and outside FUNAAB, colleges of education, academic institutes and centres, heads of department as well as 60 members of staff from universities across the country.





# CEADESE

## Holds International Workshop on Climate Change

*Dr. Dressler Ofer, Galilee Institute, Israel*

An international interactive workshop was put together to look holistically at issues of climate change by the Centre of Excellence in Agricultural Development and Sustainable Environment (CEADESE), Federal University of Agriculture, Abeokuta (FUNAAB), Ogun State, Nigeria. Climate change is the change in the average weather condition of a place over a long period of time. It is real with different countries feeling the impact in diverse ways and the major causes of climate change have been identified as industrial emission, burning of fossil fuels, deforestation, pollution from agriculture, homes, industries and hospitals, among others.

The workshop was declared open by the Vice-Chancellor of FUNAAB, Professor Felix Salako, who was represented by the Deputy Vice-Chancellor (Academic), Professor Morenike Dipeolu. He expressed the hope that the workshop would enhance the understanding of participants and influence the methods of mitigating the effects of climate change using innovative technologies, adding that the course would facilitate changes on how things are done to improve our environment.

Research has shown that Nigeria is already facing a lot of problems from climate change and this is affecting the economy negatively in addition to an increase in the concentration of greenhouse gases such as carbon dioxide, methane, nitrous-oxide and water vapour, from improper solid and water waste management, water pollution and industrial effluents that had led to global warming, even though the country generates about 24 million tonnes of solid waste annually, in which most of them are dumped indiscriminately into the environment. This challenge is further compounded by non-existence of clear-cut policies on environmental degradation and implementation strategies.

However, the workshop exposed participants to recent developments in the area of climate change and ways of building critical mass of next generation experts with robust understanding to address climate change issues. Participants had ample opportunity to learn new technologies and develop cross-cutting networks by serving as a means of boosting skills and human capacity, to provide the much-needed expertise for institutions and

individuals, using Israeli experience. Speaking at the occasion, the Director of CEADESE, Professor Olukayode Akinyemi, stated that the workshop was aimed at exposing participants to recent developments in the area of climate change and building a critical mass of next generation experts with robust understanding of addressing climate change issues. He added that the workshop would extend the frontiers of knowledge, foster international exchange and cooperation, deliver hand-on skills, to promote sustainable management of natural resources and ecosystems as well as integrate sustainable development policies at national and local levels. Topics discussed covered Clean Development Mechanism (CDM), water resources planning, technologies and approaches for the solution of solid waste problems, technological solutions for water pollution, hazardous waste management and renewable energy. A resource person, Dr. Dressler Ofer, Director-General, Haifa Municipal

Association for the Protection of the Environment, Israel and former Chairman, ASAF Environmental Technologies, a private company that is involved in the planning, construction and operation of different environmental projects such as recycling plants, steam production from waste, sanitary landfills and transfer stations. He had also worked as a consultant to local and regional municipalities in Israel and beyond, and had equally served as an expert advisor in recycling and municipal solid waste projects.

At the end of the workshop, vital recommendations are made by the participants. It was further discussed that the current method of energy generation in Nigeria was mainly from fossil fuels and hence, the need to reduce reliance of fossil fuel generation in the country and move on to the use of clean energy such as solar, wind and hydro-energy. Other key-points highlighted are:

- Education and training should be the first approach to a



*Representative of the Vice Chancellor, Deputy Vice-Chancellor (Academics), Prof. Morenike Dipeolu*

sustainable environment.

- Sectorial seminars, workshops and conferences should be carried out across different sectors in the country.
- Close collaboration with Galilee International Management Institute for experience.
- Training the legislators and go to where they are going.
- Climate change, sustainable environment and use of clean energy source should be inculcated in the Nigerian education curriculum.
- Formation of an association, peer pressure that could serve as non-governmental organisation that would advocate and sensitise the public on climate change, such as the alumni association.
- Nigeria can go into the Trading of Carbon Development Mechanism when the price of carbon increases.
- Proposals should be written in order to obtain funds from development partners.
- Federal University of Agriculture, Abeokuta should carry out pilot projects for plastic, nylon and bottles recycling as a model.
- The workshop highlighted the dangers of hazardous wastes, especially hospital wastes and the need for their proper disposal.
- Waste-to-wealth programme should be embarked upon.
- There is need for proper data collection on climate change in



*Centre Director, Prof. O. D. Akinyemi*

Nigeria.

- Environmental services should be well subsidised by the government.
- Pressure groups should exist and be responsible for sanctioning environmental abusers, to do their jobs properly.
- Protective wears should be provided for FUNAAB cleaners, especially those working at the health centre.
- Environmental protection unit should also be established within the institution.
- There has been lack of full domestication of international agreements on climate change and environmental issues, such as:
  - o Rio De Janeiro Summit;
  - o Protocol of Montreal;
  - o Basle Agreement;
  - o Kyoto Agreement;
  - o Paris Agreement; and
  - o London Agreement.





## How to Improve Research Reproduction Citations ~ Dons

**A**s part of the efforts to improve research documentation among academics in the university, the Center of Excellence in Agricultural Development and Environmental Sustainability (CEADESE) and the University Library organised A-day workshop on Monday 21st April, 2018 on “Effective Utilisation of Electronic Resources on Science Direct Journals”. The Director of CEADESE, Professor Olukayode Akinyemi in his opening remark emphasized on low utilization of the Science Direct Journals by the university community, especially academic staff from all the colleges in the university, librarians, students and other stakeholders, bearing in mind that CEADESE paid a lot of money in getting the license and deemed it fit to create, more sensitization on the usage and adoption of the resources,

Professor Olukayode Akinyemi, welcomed members of the National Universities Commission (NUC ) team led by Mr. Ibrahim, Mr. Leo Peters (Representing NgREN) and Mr. Mohammed Gaafar, an Elsevier Customer Consultant from Cairo representing Elsevier Africa. The purpose of the workshop as stated by the organizers touched all the ten (10) African Centre of Excellence (ACEs) in Nigeria.

Elsevier Customer consultant for Africa, Mr.

Mohammed Gaafar, highlighted the importance of publishing in reputable journals such as Science Direct and others. He further, discussed on ways of accessing Top-cited articles in individual subject area, with special interest in citations of research reproduction. He further emphasized more on Research Quality Measurement factors such as Number of citations of an article, authors profile and article level. The following issues were further discussed on modern Knowledge Cycle, field weight citation impact, Plum analytics, H-index, approaches of writing title, abstract, which journal to publish, impact factors, Scimago Journal Ranking (SJR), Elsevier Journal Finder and the use of Mendeley profile and Scopus. A total of forty-three participants attended the workshop.



*A group photograph with representative of Elsevier Africa, NgREN and NUC*

# CEADESE *gets Full* National ACCREDITATION

In its pursuit of excellence, the Centre of Excellence in Agricultural Development and Sustainable Environment was among the first set of the Africa Centres of Excellence (ACEs) to go through the National Universities Commission (NUC) national accreditation exercise. It was the first time accreditation was done for Postgraduate programmes in Nigerian Universities, and the exercise started with the ACEs. The result of the exercise is a strong indication of the efforts that the Centre had put into its

living up to attaining the Centre of Excellence status. Prior to the accreditation exercise, the Centre had put in place an e-library; which contains recent state-of-the-art materials and resources; among others. The NUC accreditation teams were present from March 27th to 29th, 2017 for a three-in-one exercise: facility check, resources verification and programmes accreditation. With these excellent results, the centre is poised for International accreditation.

S/N	Degree	Program	Grade	Status
1	M.AgSE	Food Processing & Value Addition	84.5	Accredited(5 yrs)
2	PhD. AgSE	Food Processing. & Value Addition	84.5	Accredited(5 yrs)
3	M.AgSE	Agric. Economics and Environmental, Policy	93.4	Accredited(5 yrs)
4	PhD. AgSE	Agric. Economics and Environmental Policy	93.4	Accredited(5 yrs)
5	M. AgSE	Environmental Syst. and Climate Change	94.5	Accredited(5 yrs)
6	PhD. AgSE	Environmental Syst. and Climate Change	94.5	Accredited(5 yrs)
7	M.AgSE	Crop Pasture Prod. & Sust. Environment	74.8	Accredited(5 yrs)
8	PhD. AgSE	Crop Pasture Prod. & Sust. Environment	74.2	Accredited(5 yrs)
9	M.AgSE	Agric. Mech. And Sust. Environment	76.6	Accredited(5 yrs)
10	PhD.AgSE	Agric. Mech. And Sust. Environment	77.8	Accredited(5 yrs)
11	M.AgSE	Livestock Sciience & Sust. Environment	88.3	Accredited(5 yrs)
12	PhD. AgSE	Livestock Science & Sust. Environment	90.6	Accredited(5 yrs)

# CEADESE

*Holds*

# RETREAT



*Cross section of the CEADESE Retreat Participants*

The Centre for Agricultural Development and Sustainable Environment (CEADESE), held a stakeholders retreat from 22 - 24 March 2018 at the Equity Resort Hotel, Ijebu-Ode. The goal of the retreat was to have an indepth preview of the performance of the Centre, from inception with a view to enhance its performance (specially fund utilisation) and perception among stakeholders. The retreat was declared open by the Vice-chancellor, represented by the Deputy Vice-chancellor (Development) Professor Lateef Oladimeji Sanni.. In his opening remarks, the Vice-chancellor charged all stakeholders at the retreat to come up with actionable recommendations and/or strategies to propel the Centre forward despite the teething drawbacks experienced by the Centre in recent times. He then expressed confidence in the ability of the new leadership of the Centre to turn around its fortunes. Other dignitaries at the opening ceremony include the University Registrar; Director, Academic Planning; some Deans of colleges in the university. Stakeholders present at the 2-day retreat were; Director and Deputy Director of CEADESE, Professor Olukayode Akinyemi and Dr. Adeboye Fafolu respectively, All CEADESE Programme Leaders and their Assistants, Deans of relevant colleges; Dean of Postgraduate School, Directors of Academic Planning Unit and Information and Communication Technology Resource center (ICTREC), HOD Physics, among others. At the end of the 2-day extensive deliberations and brainstorming sessions; the following were the recommendations from the retreat:

1. The Director and Programme Leaders of the Centre or their representatives shall

always attend PG Board meeting for effective presentation of the Centre's prayers to the Board.

2. The Director, CEADESE should liaise with the Dean, Postgraduate School and Vice-Chancellor for immediate executive approval of the thesis of 12 students of the Centre (mostly foreign students) that have defended within the last couple of months and graduate them in earnest. This would enable the Centre to earn more funds from the world bank.

3. Immediate increase of the approval limit of the Director, CEADESE to \$60, 000 (₦2 million) through a letter to the Vice-chancellor for approval on behalf of the University Tenders' Board. This would fast-track fund utilization and delivery of the activities of the Centre.

4. All on-going civil work contracts awarded by the Centre must be completed before the April deadline given by the world bank.

5. There is the dire need for a synergy between the Centre, Tenders Board and Procurement Unit, to fast-track contract and procurement process for efficient fund utilisation. This would ensure a faster, flexible and timely procurement without running foul of procurement law.

6. All the approving authorities or officers should be admonished on the need to treat memos and/or request from CEADESE with dispatch. This is one of the ways by which the remaining funds with World Bank can be earned before the project winds up.

7. As part of preparations for the

international accreditation; there is the need for an interactive session with CEADSE students to highlight challenges of the Centre as they affect their career and stress the importance of international accreditation on the Centre's degrees. All pending examination results should be processed, approved and released immediately. All stakeholders should be informed and be encouraged to put in their best towards the international accreditation process. A committee of all Assistant programme leaders, to be chaired by the Director, (DAP) was constituted to package the Centre for seamless international accreditation.

8. On strategies to ensure the sustainability of the Centre after World Bank sponsorship; the retreat calls for the support of the University Administration and Council on the sustainability drive by the Centre. A large chunk of some funds from the World Bank (e.g. accreditation credit, publication credit, etc) should be warehoused for the future. There is the need for aggressive effort at sourcing for funds from other donors and/or developmental agencies.

9. In order to attract more prospective students, there is the need to track the alumni of the centre, make the students more comfortable, through prompt and timely release of students' research funds and provision of uninterrupted internet access to all students.

10. The retreat also delved into the need for stakeholders to be appropriately appreciated/commended by the Centre either in kind and/or cash. This would serve as motivation and encourage all stakeholders involved in CEADSE activities. However, the retreat mandated the CEADSE leadership and Board to workout details of incentives/motivation to stakeholders.

11. There is also the dire need for continuous and effective involvement of Colleges, Departments and Centres in the activities of CEADSE.

12. The leadership and Board of CEADSE should also evolve a robust strategy for more collaborations/partnerships with relevant industries and private establishments.



*Group photograph taken at the opening ceremony of the retreat 5th from left is the Representative of the Vice-chancellor, Professor L.O. Sanni, Director, CEADSE, Professor Olukayode akinyemi, Registrar of the University, Dr. Bola Adekola, Dean, College of Environmental Management, (COLERM) Professor Binjo Adeofun, Professor Olusola J. Adeniran, Director Academic Planning Unit and others*

# CEADESE

## ENSURING DEMAND-DRIVEN AGRICULTURAL RESEARCH THROUGH STUDENTS' INTERNSHIP PROGRAMMES

### Preamble

The World Bank Africa Centre of Excellence in Agricultural Development and Sustainable Environment (CEADESE), Federal University of Agriculture Abeokuta, Ogun State, Nigeria was established with a mandate to bridge the gap between the industry, academic sector and other stakeholders thereby creating a synergy by introducing internships for students during their studies. The action plan for research programme consists of partnering with regional and international centers to conduct postgraduate students' research that are demand-driven and will lead to regional development. With this mandate, students of the programme are required to embark on an

internship programme in some agro-allied industries both in Nigeria and overseas to gain practical and on-field experience and to identify the research gaps which will form the basis upon which their expected research work is based. This always take place after their first session of academic course work.

However, in line with CEADESE policy, the Internship Structure in CEADESE is in two phases: The first phase of the internship is dedicated mainly for interactions, problem identification and proposal development while the second phase is implementation of research objectives. The whole process is been monitored by the industry-liaison officers of the Centre.

### REPORT FROM CEADESE INTERNSHIP PROGRAMMES

Olaniyi Mariam Bolanle, a student of the Livestock Science and Sustainable Environment Programme, did her internship at the Agro Cattle Ikorodu, Lagos, Nigeria. Agro Cattle Nigeria the industry has the sole aim of fattening cattle, however, the farm has since diversified into other small ruminant production programme with about 50 goats, over 200 sheep and about 600 cattle.

Activities performed during the internship period include: daily feeding of cattle with concentrate and later administration of grasses in the day, Health Monitoring and Treatment of the animals infected with diseases, Feed Formulation and Stock Taking to know the number of animals on the farm at a particular time of the year, the data collected included the sex, age, and physiological state of animal.



The internship period afforded Olaniyi Mariam Bolanle, the opportunity to gain practical experience outside the classroom in the daily and routine management of ruminant animals and has thus prepared her for the task of finding a solution to the problem encountered on the field. This eventually led to her proposed

Oyinloye Yewande Mary, a student of the Agricultural Economics and Environmental Policy, CEADESE undergone her internship programme at Nigerian Institute of Social and Economic Research (NISER). NISER is a Federal Government parastatal that was established primarily for research into Nigeria's economic and social problems. NISER undertakes extensive research into problems of economic development and planning, agricultural and industrial development, foreign trade, public finance, education, health and social welfare. NISER constitutes various research departments. The student worked in the Economic Policy Research Department (EPRD) under the supervision of Dr. Timothy Oni; a senior researcher.

EPRD conduct a wide range of practical socio-economic research with a view to provide inputs and guidelines for long term policy formulation and investment decisions, conduct studies on the impact of existing policies and programs of government and recommend shift/adjustments where necessary and coordinate trainings, conferences and workshops relevant to the department amongst others.

During Oyinloye Yewande Mary Internship, she attended the NISER Research Seminar Series (NRSS) February Edition. The presentation was titled "Actors and Institutions in Agricultural Public Expenditure Allocation and National Food Security: Evidence from subnational Jurisdiction in Nigeria and delivered by Dr. Tewodaj Mogues, a Senior Research Fellow at International Food Policy and Research Institute (IFPRI) Washington DC. Experience garnered in the Department prompted the student's research study titled "Effect of Production Efficiency on Integrated and Non- Integrated Fish Farmers' Poverty Status in Ogun State.



Ogunleye Toluwalase Janet, a student of the Environmental Systems and Climate Change, CEADESE, FUNAAB undergone her internship programme at Environmental Laboratory Limited, an affiliate of MOYEZ Analab Resource incorporated in 2008 with a mission to provide clients with high quality services and defensible reports that will assist customers define their needs to meet or exceed their expectations with informed decisions based on reliable empirical data, the organisation headed by Dr 'Femi Oyediran has state-of-the-art laboratories (chemical, microbiology and elemental) and field equipment which provide analytical and consultation services to support clients' requirements under National and State and professional human resources to carry out environmental studies and analysis. During the period of five weeks in the organisation, Ogunleye Toluwalase Janet was attached to the laboratory and environmental/ field units. She also participated in two training sessions on Good Laboratory Practices (GAP) and Water Analysis. Using the standard Operating Procedure (SOP)

prepared by professional analysts in the organisation for different parameters, Ogunleye Toluwalase Janet had the privilege of participating in the analysis of waste water samples, treated effluent samples, sewage water samples, borehole water samples, stream and spring water sample.

On two different occasions, Ogunleye Toluwalase Janet participated in the field work carried out at Olusosun dumpsite, Ojota Lagos. This involved the microbial air sampling and air quality monitoring at certain points and outside the dumpsite area. The major aim of this field work was to evaluate the occupational health hazards of workers at the dumpsite.

According to the student, the entire experience at the laboratory unit was a build-up knowledge on the practical attached to one of the courses (Waste water management and pollution control) she took during the first semester. Her internship field experience informed her decision to work on the assessment of poultry air pollutants because of its environmental effects (climate change, acidification, odour etc.) and health impacts on the birds, workers within the facilities and other residents around the poultry facilities.

**A**yoola Grace Temitope, of Food Processing and Value Addition programme undergone her internship programme at Obasanjo farms Nigeria limited. Obasanjo farms Nigeria limited was established in the year 1978, which majorly specialize in production of agro-based products and agro-allied groups which includes: table egg, hatchery services, chickens (broilers, growers, layers, day old chicks) and chicken processing with the capacity of processing 2,500 chickens per hour with cold room facility. With a mission to be a responsible, responsive, competitive, quality-driven production and marketing company, satisfying all stakeholders. The processing unit is divided into five sections (Hanging and slaughtering, Evisceration, Offals, Packaging, Sorting and Grading).



During the period of five weeks in the organisation, the student was attached to all the sections in the processing unit. The entire experience at the processing unit was a build-up knowledge on some practical work related to the student's course. It has also taught the student on various methods that are involved in the processing of frozen birds, the equipment used and how value can be added to poultry products.

**F**OLARIN Itunuola A., a PhD student under Livestock and Sustainable Environment programme undergone her internship programme at National Centre For Genetic Resources And Biotechnology (NACGRAB); the body responsible for registering new breeds of plants and animals in Nigeria. NACGRAB was established in 1987 by the Federal Ministry of Science and Technology (FMS&T) to conduct research, gather data and disseminate technological information on matters relating to genetic resources conservation, utilization and biotechnology applications. The Centre, backed by Decree 33 of 1987 regulates the seed, livestock and fisheries industries. NACGRAB is committed to the conservation of the rich Genetic Resources of the nation, with a view to enhancing agricultural, economic and social development.

NACGRAB has various units among which are: Animal Genetic Resources (AGR), Plant Genetic Resources, Tissue culture, Seed bank, Gene bank and Biotechnology units. The student worked with two units during her stay at the Centre: Animal Genetic Resources (AGR) and Biotechnology units.



At the AGR unit; the student had experience on Familiarization tour to the Centre's livestock research farm, Participation in On-farm activities and Regular deliberations with the Assistant Unit Head leading to my research proposal development. At the biotechnology unit; the student was attached to the molecular biology laboratory where molecular tools and procedures are used to unravel the basis of life. The structure of specific molecules of biological importance such as proteins, enzymes, and the nucleic acids DNA and RNA are studied in relation to their functional roles in cells and organisms. Finally, Industry-based Supervisor was assigned to also supervise the student's research.

**A**yoola Abiodun Adeyinka, student of Livestock Science and Sustainable Environment undergone his internship at NORGEM/NOVUS INTERNATIONAL, Indiana, USA. Novus was established in 1991. Novus is an animal nutrition based company. Novus provides a holistics approach to solutions, service and sustainability for poultry, swine, aquaculture and cattle. During the five weeks in the company, the student attended and visited some places such as land grant university, farms, industries, government parastatals, conferences and Novus offices.

At the end of the internship, the student observed that environmental sustainability is lacking in developing countries like Nigeria because farmers often think of profit-making while neglecting the possible impact on the people and the environment. The student also recommends CEADESE programme to people because of its standard.

At this juncture, the students that participated in the Internship programme under CEADESE programmes are well groomed in theory and practice of Agricultural Development and Sustainable Environment. At the end of the internship period, problems discovered within the industry under-study are identified and these problems are turned into research topics and students then settle down to solve the discovered problems, hence Demand-Driven Research. Furthermore, the industry-based supervisors are also engaged in supervising the students. These symbiotic relationship between Academia and Industry is assumed to be one of the greatest solutions to our numerous food security problems. With this approach, it is clear that CEADESE is gradually fulfilling its Internship mandate through solutions to Demand-Driven Research.



*Fair-Oak swine and dairy farms in Indiana*



**Available Programmes**

- Livestock Science and Sustainable Environment
- Agricultural Economics and Environmental Policy
- Crop / Pasture Production and Sustainable Environment
- Food Processing and Value Addition
- Environmental Systems and Climate Change
- Agricultural Mechanization and Sustainable Environment

**APPLY  
NOW!!!****FEDERAL UNIVERSITY OF AGRICULTURE, ABEOKUTA.**

P.M.B. 2240, Abeokuta, Ogun State - Nigeria.

**Africa Centre of Excellence in Agricultural Development and Sustainable Environment (CEADESE)****OUR LOCATION**

CEADESE, International Scholars' &amp; Resource Centre, FUNAAB

**OUR CONTACTS**Website: [www.ceadese.unaab.edu.ng](http://www.ceadese.unaab.edu.ng)  
Email: [ceadese@funaab.edu.ng](mailto:ceadese@funaab.edu.ng)

Monday, 4th February, 2019

**ADVERTISEMENT FOR ADMISSION INTO SPECIALISED POSTGRADUATE PROGRAMMES FOR THE 2018/2019 ACADEMIC SESSION**

The Federal University of Agriculture, Abeokuta is pleased to announce that admissions into postgraduate training programmes at the Centre of Excellence in Agricultural Development and Sustainable Environment, are now open. Applications are invited from candidates of all nationalities.

The Centre of Excellence in Agricultural Development and Sustainable Environment (CEADESE) runs specialised postgraduate courses leading to award of Master (M.AgSE) and Doctorate (PhD AgSE) degrees in Agricultural Development and Sustainable Environment. The courses are designed to integrate academic and entrepreneurial skills with demand-driven research as follows:

1. **LIVESTOCK SCIENCE AND SUSTAINABLE ENVIRONMENT PROGRAMME**  
-M.AgSE (Livestock Science and Sustainable Environment)  
-PhD.AgSE (Options: Animal Nutrition, Animal Breeding and Biotechnology, Animal Physiology, Livestock Production System)
2. **AGRICULTURAL ECONOMICS AND ENVIRONMENTAL POLICY PROGRAMME**  
-M.AgSE (Agricultural Economics and Environmental Policy)  
-PhD.AgSE (Options: Production Economics, Resource and Environmental Economics, Agricultural Policy and Development, Agricultural Finance and Marketing)
3. **CROP / PASTURE PRODUCTION AND SUSTAINABLE ENVIRONMENT PROGRAMME**  
-M.AgSE (Crop/Pasture Production and Sustainable Environment)  
-PhD.AgSE (Options: Crop Production, Plant Breeding, Seed Technology, Crop Pathology, Crop Protection, Crop Entomology, Pasture Agronomy and Pasture Production).
4. **FOOD PROCESSING AND VALUE ADDITION PROGRAMME**  
-M.AgSE (Food Processing and Value Addition)  
-PhD.AgSE (Option: Food Processing and Value Addition).
5. **ENVIRONMENTAL SYSTEMS AND CLIMATE CHANGE PROGRAMME**  
-M.AgSE (Environmental Systems and Climate Change)  
-PhD.AgSE (Options: Hydrology and Climate Change, Environmental Geophysics, Remote Sensing and Climate Change, Environmental Safety).
6. **AGRICULTURAL MECHANIZATION AND SUSTAINABLE ENVIRONMENT PROGRAMME**  
-M.AgSE (Agricultural Mechanization and Sustainable Environment)  
-PhD.AgSE (Option: Agricultural Mechanization and Sustainable Environment)

**Limited scholarships in form of tuition rebate and research supports** are available. Admissions into CEADESE programmes are based on regional and gender balance. Non-nationals of Nigeria and Women are therefore encouraged to apply.

**ELIGIBILITY**

1. Candidates of all nationalities within and outside Africa possessing qualifications equivalent to recognized first degrees in relevant disciplines are eligible to apply.
2. The M. AgSE programme will generally be open to all Agriculture, Engineering and Science graduates of B.Sc, B.Eng, B. Agric, B.Sc Agric, B. Tech Agric and B. Eng Agric. etc with a minimum of Second Class Lower. Holders of HND and other Degrees/Classes of Degree with PGD in any of Agriculture disciplines with a minimum weighted average score of 60% (or CGPA of 3.0 on a 5point scale) shall also be eligible for admission into the programme, on the condition that both set of candidates met basic university matriculation requirements of five (5) O' level credits including English Language and Mathematics, and any other three (3) Science or relevant Social Science subjects.



## FEDERAL UNIVERSITY OF AGRICULTURE, ABEOKUTA.

P.M.B. 2240, Abeokuta, Ogun State - Nigeria.

Africa Centre of Excellence in Agricultural Development and Sustainable Environment (CEADESE)

### OUR LOCATION

CEADESE, International Scholars' & Resource Centre, FUNAAB

### OUR CONTACTS

Website: [www.ceadese.unaab.edu.ng](http://www.ceadese.unaab.edu.ng)  
Email: [ceadese@funaab.edu.ng](mailto:ceadese@funaab.edu.ng)

### 3. Admission into M.AgSE/PhD.AgSE for:

Agricultural Economics and Environmental Policy is open to Bachelor Degree holders in Agric. Economics or Economics

Livestock Science and Sustainable Environment is open to Bachelor Degree holders in Animal Science and related courses

Agricultural Mechanization and Sustainable Environment is open to Bachelor Degree holders in Agricultural Engineering, Mechanical Engineering and related disciplines

Food Processing and Value Addition is open to Bachelor Degree holders in Food Science related disciplines

Environmental Systems and Climate Change is open to Bachelor Degree holders in Civil Engineering, Water Resources and Environmental Engineering, Basic, Applied and Environmental Sciences and related disciplines.

### 4. The PhD AgSE programmes will be open to Master degree holders in courses that are relevant to the different options in the programme.

## DURATION

### M.AgSE

- Course work along with dissertation for a maximum of 4 Semesters.
- 2-3 months of Internship in collaborating industries, parastatals and institutions.

### PhD AgSE

- PhD AgSE programme will be course and research-based, spanning maximum of 6 semesters.
- 2-3 months of Internship in collaborating industries, parastatals and institutions.
- Application for PhD AgSE is open all year round.

## METHOD OF APPLICATION

1. All applicants from Nigeria should generate an invoice at the Post Graduate application portal of CEADESE-FUNAAB at <http://pg.unaab.edu.ng/pgc.html>. The invoice should be taken to any branch of Zenith Bank to make application payment of N15,000.00. exclusive of bank charges and thereafter complete the application form at the same portal.

**Account No:** as in on the invoice

**Sort Code:** 057170019

**Account Name:** Centre of Excellence in Agricultural Development and Sustainable Environment, FUNAAB.

2. Foreign applicants should pay US\$100 into the Centre's domiciliary account (Zenith Bank Account No: **5070318907**, Swift Code: **ZEIBNGLA**, Bank Sort Code: **057170019**). It is important to upload the telex copies to access the online application form.

Hard copies of completed application forms with teller and photocopies of credentials should be mailed by speedpost or by hand to:

**The Director**, CEADESE, Federal University of Agriculture, Abeokuta, P.M.B. 2240, Abeokuta, Nigeria.

All applicants must request their respective institutions (University) to forward their transcripts directly to CEADESE at the same address above.

## DEADLINE

Applications for M.AgSE programmes close by **Friday, 3rd May, 2019**. For further information, please send your enquiries to the following contacts; **E-mail:** [ceadese@funaab.edu.ng](mailto:ceadese@funaab.edu.ng), **Website:** [ceadese.unaab.edu.ng](http://ceadese.unaab.edu.ng), **Facebook:** [ceadese\\_funaab](https://www.facebook.com/ceadese_funaab), **Twitter:** [ceadese\\_funaab](https://twitter.com/ceadese_funaab), **GSM Nos.:** +2348066333341, +2348079170018, +234 8038225891

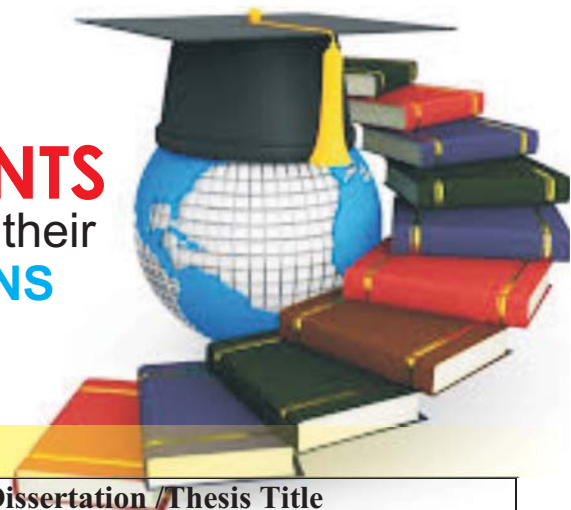
**Director**,  
CEADESE,  
FUNAAB, Nigeria.

# OFFICERS of the CEADESE

(Centre of Excellence in Agricultural Development and Sustainable Environment)

S/N	Name	Position
1	Prof. Akinyemi, Olukayode Dewum	Director
2	Dr. Fafiolu, Adeboye Olusesan	Deputy Director
3	Prof. Oluwatosin, Oluwaseyi O.	Programme Leader, Livestock Science and Sustainable Environment
4	Prof. (Mrs.) Afolami, Carolyn Afolake	Programme Leader, Agricultural Economics & Environmental Policy
5	Prof. Pitan, Olufemi, R	Programme Leader, Crop/Pasture Production & Sustainable Environment
6.	Prof. Adewumi, Babatunde Adewale	Programme Leader, Agricultural Mechanization and Sustainable Environment
7	Prof. Awokola, Olufiropo Samson	Programme Leader, Environmental Systems and Climate Change
8.	Prof. Shittu, Taofik Akinyemi	Programme Leader, Food Processing and Value Addition
9.	Dr. Daramola, James O.	Assistant Programme Leader, Livestock Science and Sustainable Environment
10	Dr. Obayelu, Abiodun Elijah	Assistant Programme Leader, Agricultural Economics & Environmental Policy
11.	Dr. Idehen, Emmanuel O.	Assistant Programme Leader, Crop/Pasture Production & Sustainable Environment
12.	Dr. Dada, Pius Olusegun	Assistant Programme Leader, Agricultural Mechanization and Sustainable Environment
13	Dr. Bada, Babatunde Saheed	Assistant Programme Leader, Environmental Systems and Climate Change
14.	Dr. Sobukola, Olajide Philip	Assistant Programme Leader, Food Processing and Value Addition
15.	Prof. (Mrs) Oluwatosin, Bamidele O.	Liaison Officer
16.	Prof. Folorunso, Olusegun	Communication Officer
17.	Dr. Osunsina, Israel Oluyinka	Monitoring and Evaluation Officer
18.	Dr. Olujimi, Olanrewaju Olusoji	Safeguard Officer
19.	Dr. Adebowale, Abdulrasak Adesola	Budget Implementation Officer
20.	Mr. Elijah, Olukunle Ayodele	Procurement Officer
21.	Mrs. Balogun, Fausat Iyabode A.	Accountant
22.	Mr. Enilolobo Victor	Auditor
23.	Mr. Adeogun, Matthew Sunday	Secretary
24.	Mr. Dosunmu, Saliu Ajasa.	Admin Personnel
25.	Mr. Odeogbola, Nurudeen A.	Admin Personnel
26.	Mr. Olaniyan, Gbolahan OlaOluwa	ICT Officer
27.	Mr. Jimoh Quadri	Driver

LIST OF  
**CEADESE STUDENTS**  
 WHO HAVE DEFENDED their  
**THESES/ DISSERTATIONS**  
 FROM INCEPTION



### M.AgSE

S/N	Name	Programme	Dissertation /Thesis Title
1.	LABINJO, Olajumoke Sherifat	Livestock Science and Sustainable Environment	Response of Cockerel Chickens to Oyster Mushroom in Feed and Water
2.	TENIOLA Aderonke A.	Livestock Science and Sustainable Environment	Bioavailability and Utilization of Copper from Inorganic Copper Chelates in Broiler Chickens
3.	OGUNSOLA, Jamiu B.	Livestock Science and Sustainable Environment	Performance, Lipid Profile and Meat Quality of Turkey Corn – Soya Diet Supplemented with Protease Enzyme
4.	MORAKINYO, John O.	Livestock Science and Sustainable Environment	Response of Growing Turkeys Fed Diets Supplemented with Riboflavin (Vitamin B2) with or without Protease Enzyme
5.	ASHAWE-ESAN, Adebisi C.	Livestock Science and Sustainable Environment	The Effect of Dietary Supplementation of Ribloflavin and/or Protease Enzyme on oxidative stress and Immunology in Broiler Turkey
6.	SHUAIBUU, AdinoyiYusuf	Livestock Science and Sustainable Environment	Influence of Goat Manure on Application on Biomasis Yield and Nutritive Value of Irrigated Brachiara Ruzizensis as Dry Season Forage for Goat Production
7.	KAREEM, Simbiat Oluwabusayo	Livestock Science and Sustainable Environment	Effect of Feeding Times on Total Egg Production, Fertility and Hatch Ability of Breeders in Igbo – Ora South West
8.	TONA, Kwasi	Livestock Science and Sustainable Environment	Response of Broiler Chickens to Dietary Palm Kernel Meal Supplement with Multi - Carbohydrate
9.	MENDY, Emmanuel W.	Livestock Science and Sustainable Environment	Response of Broiler Chickens to Diets of Varying Nutritional Plane with or without Phytase Enzyme
10.	CAMARA, Madou	Livestock Science and Sustainable Environment	Effect of Tumeric – Based Cocentrates Diets on Performance of Kalahari Red, West African Dwarf and Kalawad Goat Kids

LIST OF  
**CEADESE STUDENTS**  
 WHO HAVE DEFENDED their  
**THESES/ DISSERTATIONS**  
 FROM INCEPTION



**PhD.AgSE**

S/N	Name	Programme	Dissertation /Thesis Title
1.	AKINTAYO, Oluyemi T.	Crop improvement & Seed Enterprise Development	Identification of Quantitative Trait Locus For Submergence Tolerance at Seedling Stage in two Rice ( <i>Oryza spp</i> ) Populations Derived from African Rice
2.	ALADE, Adelaja Augustine	Livestock Science and Sustainable Environment	Response of Broiler Chickens Fed Diets Containing Various Fibrous Feedstuffs Treated with <i>Zymomonas Mobilis</i>
3.	IRIVBOJE, Young Imienwain	Livestock Science and Sustainable Environment	Association of HSP90AA1 Gene Polymorphisms with Heat Tolerance and Haematological Traits and Evaluation of the Reproductive Performance of Two – Layer Chicken Strains
3.	DUROSARO, Samuel Olutunde	Livestock Science and Sustainable Environment	Analyses of Interferon Regulatory Factor – 5 Gene and its Association with Productive and adaptive Traits in Nigerian Indigenous Chickens
4.	DADA, Ifeoluwa Dami	Livestock Science and Sustainable Environment	Effects of Replacement of Soybean Meal with Palm Kernel Cake in Diets Supplemented with Multi – Enzyme for Broiler Chickens
5.	OKORODUDU, Avwersuoghene	Livestock Science and Sustainable Environment	Utilization of Full – Fat Soybean Meal Based Diets Supplemented with Varying Levels of Protease Enzyme in Turkey Diets
6.	ADELEYE, Oluwafolakemi Odunola	Livestock Science and Sustainable Environment	Effect of Cyromazine Inclusion and Litter Depth on Performance, Nutrient Utilization, Histopathology and Residues in Selected Tissues of Broiler Chickens
7.	OLANLOYE, Silifat Adewunmi	Livestock Science and Sustainable Environment	Implications of Single and Multi – Enzymes Supplementation on <i>Cassoya</i> Diets in Broiler Chickens
8.	ODERINWALE, Olatunde Akeem	Livestock Science and Sustainable Environment	Performance, Oxidative Stress and In Vitro Studies of Kalahari, WAD, Kalawad Does and Their Kids Fed Diets Containing Turmeric Powder
9.	SOKOYA, Olugbenga Olusegun	Food Processing and Value Addition	Quality Attributes and Process Optimization of Liquid – Smoked Sausages from FUNAAB Indigenous and Marshal Broiler Chickens
10.	EWEDAIRO, Bilikis Iyabode	Crop and Pasture Production and Sustainable Environment	Molecular Identification of <i>Helicoverpa armigera</i> (HUBNER) (LEPIDOPTERA: NOCTUIDAE) and Field Evaluation of Twenty – Seven Tomato <i>Solanum lycopersicum</i> (L.) Accessions for Resistance to the Insect



## Our Programmes

### 1 LIVESTOCK SCIENCE AND SUSTAINABLE ENVIRONMENT PROGRAMME

-M.AgSE  
-PhD.AgSE (Options: AAnimal Nutrition, Animal Breeding and Biotechnology, Animal Physiology, Livestock Production System)

### 2 AGRICULTURAL ECONOMICS AND ENVIRONMENTAL POLICY PROGRAMME

-M.AgSE  
-PhD.AgSE (Options: Production Economics, Resource and Environmental Economics, Agricultural Policy and Development, Agricultural Finance and Marketing)

### 3 CROP / PASTURE PRODUCTION AND SUSTAINABLE ENVIRONMENT PROGRAMME

-M.AgSE  
-PhD.AgSE (Options: Crop Production, Plant Breeding, Seed Technology, Crop Pathology, Crop Protection, Crop Entomology, Pasture Agronomy and Pasture Production).

### 4 FOOD PROCESSING AND VALUE ADDITION PROGRAMME

-M.AgSE  
-PhD.AgSE (Option: Food Processing and Value Addition).

### 5 ENVIRONMENTAL SYSTEMS AND AGRICULTURE PROGRAMME

-M.AgSE  
-PhD.AgSE (Options: EHydrology and Climate Change, Environmental Geophysics, Remote Sensing and Climate Change, Environmental Safety).

### 6 AGRICULTURAL MECHANIZATION AND SUSTAINABLE ENVIRONMENT

-M.AgSE  
-PhD.AgSE (Option: Food Engineering, Agricultural Engineering)