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- * GUT HEALTH STABILIZERS
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VETERINARY DRUGS
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C PUBLIC HEALTH

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D ANTIBIOTIC-FREE PRODUCTS (NUTRITION - BASED HEALTH)

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12TH ASAN-NIAS JOINT ANNUAL MEETING

THEME

**PATHWAYS TO ADDRESSING THE CHALLENGES OF
CLIMATE CHANGE IN ANIMAL AGRICULTURE**

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CLIMATE CHANGE IN ANIMAL AGRICULTURE

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National Anthem

ARISE, O Compatriots,
Nigeria's call obey
To serve our Fatherland
With love and strength and faith
The labour of our heroes past
Shall never be in vain
To serve with heart and might
One nation bound in freedom,
Peace and Unity.

O God of creation,
Direct our noble cause
Guide our leaders right,
Help our youths the truth to know
In love and honesty to grow
And living just and true
Great lofty heights attain
To build a nation where peace
And justice shall reign.

National Pledge

I pledge to Nigeria my country.
To be faithful, loyal and honest.
To serve Nigeria with all my strength.
To defend her unity,
And uphold her honour and glory.
So help me God.

Our Vision

To be the leading regulatory
institution for Animal Science
and Husbandry practice in Africa
that will improve the standard
of living of its people.

Our Mission

Regulation of Animals
Husbandry Practices for increased
profitability to all stakeholders
and to guarantee improved
Animal Husbandry and
Production Systems that
will embrace environmental
sustainability and ensure
high quality and quantity of
animal proteins to Nigerians.

Our Mandate

Professional

Registration and Accreditation of Animal Scientists
Resource Verification
Mandatory Continuing Education
Research
Ensuring Proper Affiliations
Policy Making

Industry

Developing and Enforcing Regulations and Standards for
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HIS EXCELLENCY
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HIS EXCELLENCY
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L-PRES

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GOODWILL MESSAGE

The Management and Staff of Yinka Omole Esq, Solicitors and Advocate, Atlanta Georgia, USA, cordially felicitates with the Animal Science Association of Nigeria (ASAN), Nigerian Institute of Animal Science (NIAS), Chairman, Local Organising Committee, 2023 ASAN - NIAS JAM, Abuja FCT, Nigeria and members of Sub-committees, for the successful hosting of the 12th Joint Annual Meeting (JAM) and 28th Annual General Meeting of ASAN, from 12th to 15th November, 2023 in Abuja, Nigeria.

Yinka Omole Esq
USA.



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DR. MARIYA MAHMOUD, MBBS, MWACP, FMCFM, MPH.
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4

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Composition

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AI Strain - AI Strain of Avian Influenza (H9 subtype) and pandemic strain are selected, which has a good protection effect on the current H9: 4 : 2 : 5 pandemic strain.

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Adult Bird (5weeks - upwards) 0.5ml/bird subcutaneous injection in the neck region.

Orally - (Thirst the birds at least 1hr)

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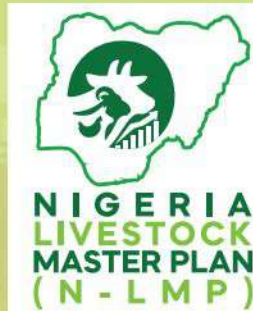


SEN. DR. ALIYU SABI ABDULLAHI CON

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8

ILRI
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LIVESTOCK
MASTER PLAN
(N-LMP)

The Federal Government of Nigeria through the Livestock Productivity and Resilience Support (L-PRES) project and in collaboration with the International Livestock Research Institute (ILRI), launched the development of the Nigeria Livestock Master Plan (N-LMP) in Abuja on Monday 24 July 2023.



The overarching objective of the N-LMP is to enhance the productivity, sustainability, and economic contribution of the country's livestock sector to agricultural gross domestic product while focusing on strategic investment portfolios within priority livestock commodity value chains.

To achieve this objective the N-LMP will undertake three main activities:

1. A quantitative and evidence-based analysis of past and current trends (baseline livestock sector analysis).
2. A long-term (15-year) foresight analysis (livestock sector strategy).
3. A medium-term (5-year) actionable investment roadmap, specific for priority livestock value chains (livestock master plan).

These activities will be driven by comprehensive data gathering and analysis, extensive stakeholder consultations, and ex ante investment analysis conducted across three thematic areas:

Genetics, Nutrition, and Health.

Expected Benefits of LMP

01

Evidence-Based
Decision-Making:

- Equipping governments, investors, and partners with quantitative insights.
- Highlighting sector contributions and constraints.

02

Long-Term Strategy
Formulation:

- Foresight analysis for informed long-term strategies.
- Identifying critical livestock commodities, value chains and production systems.

03

Catalyzing Investment
Opportunities & Policy
Impact:

- Visionary roadmaps with targets and investment proposals.
- Focusing on economic performance and national developmental objectives.

Timeline/Duration:
18 MONTHS.

Technical Partner:



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A. NATIONAL DIPLOMA (ND) IN:

Animal Health and Production Technology
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Fisheries Technology
Statistics
Computer Science
Veterinary Laboratory Technology

C. VOCATIONAL/SHORT TERM TRAINING IN:

Poultry, Sheep and Goat Production,
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Swine and Mini Livestock Production,
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D. OTHER SERVICES IN LIVESTOCK PRODUCTION

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B. HIGHER NATIONAL DIPLOMA PROGRAMS

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Agribusiness Management
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DR. ERNEST A. UMAKHIHE

PERMANENT SECRETARY

MINISTRY OF AGRICULTURE AND FOOD SECURITY



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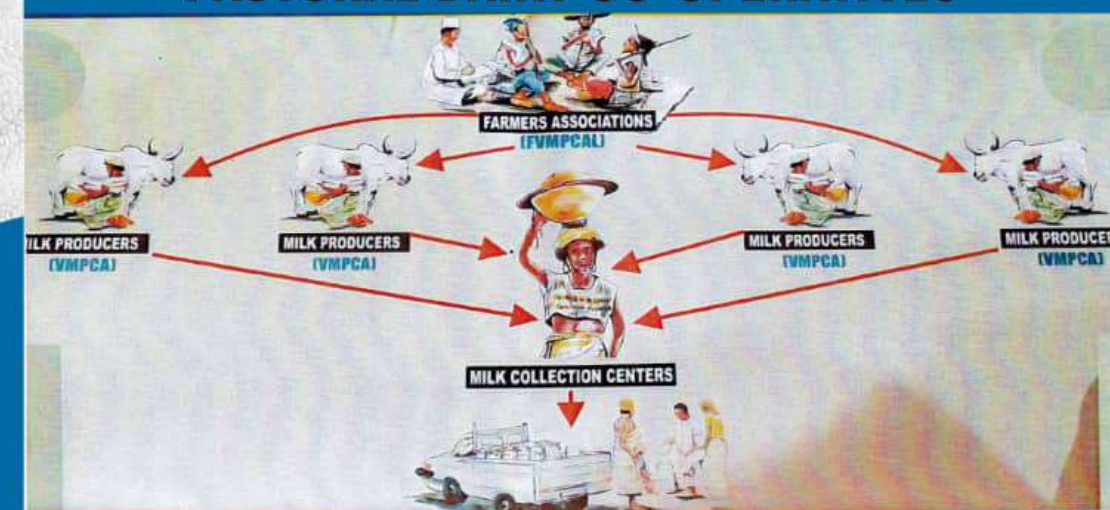
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PROF. BABA YUSUF ABUBAKAR OFR
PRESIDENT
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MR. RAYMOND ISIADINSO

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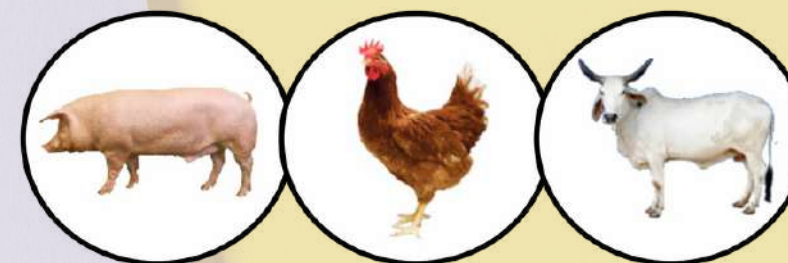
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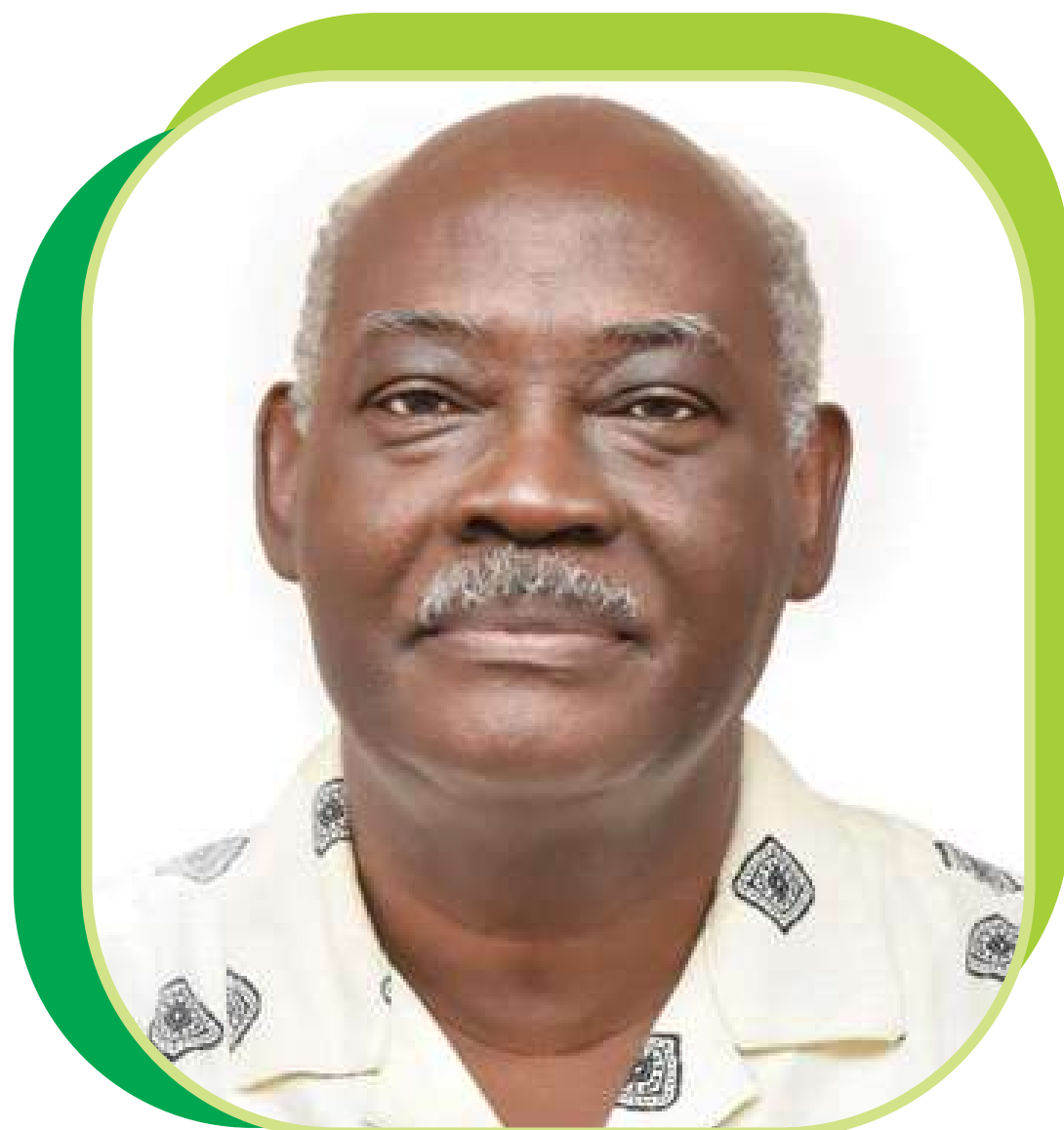
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3	Mr. Jacob Kuusu	LOC	Assistant Secretary
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PROF. EMMANUEL BABAFUNSO SONAIYA

FNSAP, FASAN, FNIAS.

KEYNOTE SPEAKER

12th

ASAN-NIAS JOINT ANNUAL MEETING



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33	144	Alalade, J. A., Oyeyode, A. T. Okunlola, O. O., and Adebisi, I.A	Department of Animal Health and Production, Oyo State College of Agriculture and Technology, Igbo-ora.	Chemical and mineral compositions of varying mixture of Lablabpurpureus and Panicum maximum.	671-674
34	152	Ibrahim, H., Lamidi O. S., Hassan M. R., Abdu, S. B, Musa, A, Ishiaku, Y. M., Ahmed, S.A, Ibrahim, U. M. and U. J. Bah	National Animal Production Research Institute, Shika-Zaria, Nigeria	Effect of bakers' yeast supplement on performance of growing dromedary camels (Camelus dromedarius)	675-678
35	153	Charles, H., Abubabkar, M and Kalla D. J. U	Department of Animal Science, Federal University Gashua, Yobe state.	Performance and nutrient intake of growing Yankasa sheep fed varying levels of ensiled typha grass (Typha domingensis) and sorghum straw in diets	679-682
36	154	Bashir, A. Fatima and Muhammad, I. R	Department of Animal Production, Adamawa State University, Mubi, Nigeria	Effectiveness of feeding concentrate supplements on milk yield of White Fulani cows raised under semi-intensive system	683-685
37	157	Jimoh O. A.and Oyeniyi F. G.	Department of Animal Production Technology, Federal Polytechnic, Ado-Ekiti, Ekiti State.	Impact of covid-19 induced lockdown on small-ruminant production in South-west, Nigeria	686-688
38	159	Dahiru, M, Abdurrahman, S. L, Abunabo, M.M and Abdullahi, I.	Department of Animal Health and Production Technology, Binyaminu Usman Polytechnic, Hadejia, Jigawa State, Nigeria	Feeding of Ziziphus species (Ziziphus mauritiana and Ziziphus spinachristi) to Small Ruminants in Guri Local Government Area, Jigawa State, Nigeria: A Preliminary Study.	689-693
39	160	Aruwayo, A., Adeleke, R., Rotimi E. A., Idowu, W and Suleiman A. A.	Department of Animal Science, Federal University Dutsin-Ma, Katsina State, Nigeria.	Biochemical parameters of growing sokoto red buck fed kalgo (Piliostigmareticulatum) and gawo (Faidherbiaabida) pods as feed supplement	694-697
40	162	A. I. Ebe, O. J. Ifut, E. F. Istifanus, E. E. Tom, U. A. Inyang	University of Uyo, Uyo, Akwa Ibom State	Dry Matter Yield, Mineral Contents, Antinutrients and Proximate Composition of Cultivated Calopogoniummucunoides in the Humid Tropics	698-701
41	163	Akinkunmi, A.O. and Abegunde, T.O.	Department of Animal Sciences, Obafemi Awolowo University, Ile-Ife, Nigeria	Haematological and serum biochemical responses of West African Dwarf goats fed cabbage waste ensiled with pineapple peels	702-705
42	166	Adekanye, C. A. Odedire, J. A. and Akinropo, T. F.	Department of Animal Sciences, Obafemi Awolowo University, Ile – Ife, Osun State.	Yield and nutritive composition of hydroponic fodder as influenced by soaking duration	706-708
43	174	Akinropo T.F., Odedire J.A. and AdekanyeC.A	Department of Animal Sciences, Obafemi Awolowo University, Ile-Ife.	Development of a Smart Nutrition System for Sheep and Goats in Nigeria	709-712
44	175	Akinropo T.F., Abegunde T.O., and Odedire J.A.	Department of Animal Sciences, Obafemi Awolowo University, Ile-Ife, Nigeria	Carcass and organ characteristics of West African Dwarf Goats fed Eichhornia crassipes ensiled with Atorcapusatilis	713-716
45	180	Ahmed, S.A, Hassan , M.R, Salisu S.G, Abubakar, S. A , Ibrahim, U, Abdusalam, M., Ibrahim, H , Usman, A.A Ibrahim, M. M, Idowu, W., and Buhari, M.K.	National Animal Production Research Institute, Shika, Zaria, Nigeria.	Growth indices, forage yield and proximate composition of CentrosemaPasourum as affected by month of harvest in Shika Nigeria	717-719
46	185	Inweh , Daniel Akpofure, Irikefe-ekoke Efe Peterson	Dennis Osadebay University, Asaba, Delta State.	Growth performance of West African dwarf goats fed varying levels cassava peels, rumen digesta, and poultry waste as alternative to conventional diet	720-723
47	187	Idowu, W., Akinde, S.T. and Hassan, M.R.	Department of Animal Science, Federal University Dutsin-Ma Nigeria.	Effects of swine manure rates, planting methods and harvesting stages on the fibre fractions of Megathyrus maximums	724-727
48	192	Okunlola, O. O., Ajayi, D. A., Akindele, W. O., Bamimore, A. I. and Adebayo, D. T.	Department of Agricultural Education, , Oyo State College of Education, Lanlate	The impact of the current economic downturn on the meat preference of the staff of Oyo State College of Education, Lanlate, Nigeria	728-730
49	201	Ashiru, R. M., Minkaila, K., Sariyyu S., Afolabi, H. O., Abdulhamid, S. U., Abubakar, M. M., Madu A., Jibrin I., Isyaku, R., Shafaatu, A. S., Ado, F. H., Iliyasu, K. A. and Omar, H. L.	Department of Animal Science, Kano University of Science and Technology, Wudil, Nigeria.	Effect of solid-state fermentation by some strains of fungi on nutritional value of sugarcane waste	731-734
50	202	Sariyyu S., Ashiru, R. M., Saidu, S. S., Ibrahim U., Abdulhamid, S. U., Isyaku, R., Abubakar, M. M., Madu A., Jibrin I., Iliyasu, K. A., Shafaatu, A. S., Omar, H. L. and Ado, F. H.,	Department of Animal Production Technology, Audu Bako College of Agriculture Dambatta, Kano	Chemical composition of the ensiled sugarcane waste enhanced with soybean meal residue and rumen digesta.	735-738
51	209	Adamu, S., Abdulrashid, M.,	Department of Animal Production,	Effect of selenomethionine supplementation on	739-742

12th

ASAN-NIAS JOINT ANNUAL MEETING



ABUJA 2023

**JOHN TOYIN TAIWO**

RAS, FASAN

CHAIRMAN,
LOCAL ORGANIZING COMMITTEE

12th

ASAN-NIAS JOINT ANNUAL MEETING



ABUJA 2023

**LOC CHAIRMAN'S WELCOME ADDRESS
AT THE 12TH ASAN-NIAS JOINT ANNUAL MEETING/
28TH ANNUAL ASAN CONFERENCE, 2023, ABUJA**

PROTOCOLS:

On behalf of the Local Organizing Committee, I am pleased and honoured to warmly welcome all participants, invited guests and the key role players in Agricultural development and Livestock Industry, to the 12th Animal Science Association of Nigeria (ASAN)/ Nigerian Institute of Animal Science (NIAS) Joint Annual Meeting (JAM) Abuja 2023, with the Theme “Pathways to Addressing the Challenges of Climate Change in Animal Agriculture”

I welcome, this year's JAM Chairman, His Excellency, former Governor, Kano State and the National Chairman of the ruling Party of our Nation, Dr Abdullahi Umar Ganduje *CON*

It is an honour to have in our midst, M. Kouacou Dominique Koffy, the Food and Agriculture Organization (FAO) Country Representative *ad interim* Nigeria and ECOWAS.

The Keynote Speaker, Prof. Emmanuel Babafunso Sonaiya, is *Fellow, Nigerian Society for Animal Production (FNSAP), Fellow, Animal Science Association of Nigeria (FASAN), Fellow, Nigerian Institute of Animal Science (FNIAS).*

This JAM has brought investors, industrialists, academia, farmers and government to roundtable and panel discussions, to brainstorm on the way forward for the livestock industry in Nigeria, especially with the critical downturn of the economic activities brought about by the fuel subsidy removal, high insecurity situation exacerbated by the activities of the bandits and insurgents nationwide alongside the aftermath effects of the Russian – Ukrainian war and others.

I will like to appreciate the backstopping efforts of the members of the Central Organizing Committee (COC), the commitment of the Local Organizing Committee (LOC) and Chairpersons of the Sub-Committees and their members who worked tirelessly to ensure the success of this

conference, despite the prevailing circumstances.

I am particularly thankful to our donors and sponsors without whose contributions, this conference would not have been possible. God Almighty will increase you on all sides.

Deep appreciation goes to the Honourable Ministers, the Permanent Secretary of Federal Ministry of Agriculture and Food Security (FMAFS) and the Director, Department of Animal Husbandry Services, FMAFS, for their presence and support towards the hosting of this 2023 JAM/Annual Conference. Our appreciation goes to the Chairmen Committees on Agriculture, in the Red and Green Chambers of the National Assembly for their presence. Sincere appreciation goes to our Chief Hosts, the Honourable Ministers of FCT and one of our own, Mandate Secretary, Agriculture and Rural Development (ARD), Secretariat, FCTA, Mallam Lawan Kolo Geidam (*RAS*) who is a Special Guest of Honour and Host.

Our appreciation also goes the Vice Chancellor and the Dean of the Faculty of Agriculture, University of Abuja for their presence and support to the Secondary School Quiz/Debate Competition on Animal Agriculture, held at the Faculty of Agriculture, University of Abuja, on the 7th November, 2023, as one of the preludes to the 2023 JAM. Winners will receive prizes during the ceremony today.

I congratulate the newly Inducted Fellows, Registered Animal Scientists, Associate Animal Scientists and other Awardees.

WELCOME TO ABUJA, CENTRE OF UNITY
Thank you.

JOHN TOYIN TAIWO RAS, FASAN
Chairman, Local Organizing Committee.

12th

ASAN-NIAS JOINT ANNUAL MEETING



ABUJA 2023

13	055	Akinlade, J.A., Aderinola, O.A., Ojoawo, O.T., Oyewole, S.T and Adedokun, S.N.	Department of Animal Production and Health, Ladoke Akintola University of Technology, Ogbomoso.	Potentials of air-dried tithonia diversifolia supplement and cassava peel as dry season feed for West African Dwarf goats
14	067	Modu-Kagu, H.A., Mohammed, A., Girgiri, A. Y., Yuguda, H.M., Babakura Imam, Y. and Mohammed, I.D.	Department of Animal Science, University of Maiduguri, Borno State	Evaluation of Sesame (Sesamum Indicum L.) Crop Residues Using Invitro Gas Production Technique in Semi-Arid Zone of Nigeria
15	068	Akintayo, O.I., Boladuro, B.A. and Onuoha, C.H	Institute of Agricultural Research and Training, Moor Plantation, Ibadan	Biosecurity on pig farms: Implications for control of African Swine Fever and enterprise productivity in Lagos state, Nigeria
16	073	A. E. Talabi, O. S. Omolade, E. A. Salihu, R. Yaqoob, O. M. Akanbi, E. E. Ekwealor and A. Z. Sanusi	Ekiti State University, Ado-Ekiti, Nigeria	Evaluation of garlic supplemented diets for improved meat quality on heamatological and biochemical study of West African Dwarf sheep
17	081	Egbunugwu, K., Iriso, B. V., Adje, I. C. and Etela, I.	Department of Animal Science, University of Port Harcourt, Choba, Nigeria;	Blood profile of west african dwarf goats fed yam peel and gmelina leaf meal based diet supplemented with multi nutrient block
18	091	Umaru, G. A	Department of Animal health and production, The Federal Polytechnic Bali, Taraba state. Nigeria.	Welfare and the Role of Traction Animals on Economic Development of Rural Farmers: A Study of Taraba State.
19	099	A. I. Ebe, O. J. Ifut, E. F. Istifanus, U. A. Inyang , E. E. Tom, M. C. Odoh,	University of Uyo, Uyo, Akwa Ibom State	Nitrogen balance and apparent nutrient digestibility of West African Dwarf Sheep fed cultivated Pennisetum purpureum and Calopogonium mucunoides harvested at different ages
20	100	A. I. Ebe, O. J. Ifut, E. F. Istifanus, U. A. Inyang , E. E. Tom	University of Uyo, Uyo, Akwa Ibom State	Nutritive Characteristics of Cultivated Pennisetum purpureum in the humid tropics as affected by harvesting age
21	107	Ugwu O.G, Ikeh N.E, Fekurumoh S.O. Ndofor-Foleng H.M.	Federal Ministry of Agriculture and Rural Development, Abuja	Consumer acceptance of rabbit meat in Nsukka metropolis
22	109	Chukwu, C.G., Abdu, S. B., Adamu, H.Y. and Musa, A.	Department of Animal Science, Ahmadu Bello University, Zaria, Nigeria.	Preference evaluation, acceptability and levels of anti-nutritional factors of some species of ficus leaves offered to Yankasa rams
23	113	Girgiri, A. Y., Mustapha, M., Makinta, A., Kawuri, B. M. and Usman, M.	¹ Department of Animal Science, University of Maiduguri, Borno State, Nigeria,	Evaluation of hydroponic fodder potentials of some selected forage legumes in semi arid environment of Nigeria
24	116	Muraina, T.O., Amisu, A.A., Jimoh, S.O., Emiola, C.B., Usman, S., Azeez, B.O., Oladiran, I.O., Oladebo, O., and Alalade, J.A.	¹ Department of Animal Health and Production, Oyo State College of Agriculture and Technology, Igbo-Ora, Oyo State	Legacy effect of burning on proximate composition of Brachiaria ruziziensis in Southwestern Nigeria
25	118	Ajagbe A.D	Animal Production Department, Prince Abubakar Audu University, Anyigba, Kogi State	Comparative Performance of Organic Manure Types on Growth and Yield of Panicum Maximum
26	120	Jiwuba, P. C and Jiwuba ¹ L. C	Department of Animal Production and Livestock Management, Michael Okpara University of Agriculture, Umudike.	Nutrient intake and body weight gain of West African dwarf goats fed Pro-vitamin A cassava peel-centro leaf meal
27	123	Adedeji, O.Y., Imade, A.A., Saka, A.A., Falola, O.O., Adekanbi, A.O., Jinadu, K.B. and Ijadunola, T. I.	Federal College of Animal Health and Production Technology, Moor Plantation, Ibadan	Effect of Crop Residue on the Performance and Rumen Fermentation Characteristics of West African Dwarf Goat
28	125	Ebuzor, C. A., Okoye, L. E., Ukpong, G. U., Nzotta, A. O., Akinola, A. O., Abangwu, N. O. and Ahamefule, F. O.	Department of Animal Production and Livestock Management Michael Okpara University of Agriculture, Umudike.	Nutrient intake of West African Dwarf (wad) bucks fed varying levels of Alchornea cordifolia and Calopogonium mucunoides based diets
29	126	Ebuzor, C. A., Okoye, L. E., Ukpong, G. U., Nzotta, A. O., Akinola, A. O., Abangwu, N. O. and Ahamefule, F. O.	Department of Animal Production and Livestock Management Michael Okpara University of Agriculture, Umudike	Apparent nutrient digestibility of West African Dwarf bucks fed varying levels of Alchornea cordifolia and Calopogonium mucunoides based diets
30	128	Yayi, J., Gandhi, B. R., Kaboshio, K. Y., Aliyu, Z. I., and Muhammad, S. A.=	Department of Animal Science, Kaduna State University, Kaduna.	Bacteriophage as an antimicrobial agent against mastitis in dairy cattle: a review
31	134	Ayoola, M. O. Falola, O.O, Fasuan T. O and Bako, B. A	Department of Animal Science, Bowen University, Iwo, Osun State.	Assessment of Nutritional Composition of Processed Corn-Cobs Silage Using The In-Vitro Gas Production Techniques
32	141	Ibrahim, U.M., Abdu, S.B., Musa, A., Hassan, M.R., Sani, R.T., Abubakar, S.A,	National Animal Production Research Institute, Shika-Zaria, Nigeria	Blood profile of pregnant Red Sokoto does fed varying ginger levels

12th

ASAN-NIAS JOINT ANNUAL MEETING



ABUJA 2023

12th

ASAN-NIAS JOINT ANNUAL MEETING



ABUJA 2023

Programme of Events

30	194	Ajibade, A. J, Makinde, O.J, Ntagbu, F.G and Adeniji, O.A	Federal College of Wildlife Management, New Bussa, Niger state, Nigeria,	Effect of processed Kalgo (Piliostigmareticulatum) seed meal on carcass characteristics and organ weight of broiler chickens	529-532
31	196	A. Suleiman, M. N. Sabo and I. M. Abdullahi.	Department of Animal Science, Faculty of Agriculture, Federal University, Dutsin-Ma, Katsina State, Nigeria	An assessment of welfare parameters of Noiler chickens reared under different housing types	533-535
32	205	Usman, M.O., Alu, S.E., Ari, M.M., Kasimu, U.M., Aisha A.M., Abdullahi, H.R., and Guluwa, L.Y.	Department of Animal Science, Faculty of Agriculture, Nasarawa State University, Keffi, Nasarawa State.	Nutrient and fibre digestibility of Japanese Quails (Cortunixcortunix japonica) fed Fermented Sugarcane Scrapping Meal-Based Diets Supplemented with Exogenous Enzyme	536-539
33	206	Usman, M.O., Alu, S.E., Ari, M.M., Kasimu, U.M., Aisha A.M., Abdullahi, H.R., and Guluwa, L.Y.	Department of Animal Science, Faculty of Agriculture, Nasarawa State University, Keffi, Nasarawa State, Nigeria.		540-542
34	207	Dogara, M.U., Abdullahi, H. R., Usman, M.O., Kasimu, U.M., Aisha, A.M., Abubakar, J.A., and Ubangari, M.A.	Department of Animal Science Federal University of Lafia, Lafia, Nasarawa State of Nigeria.	Effect of Tigermut Offal Meal-Based Diets on Bone Mineralisation of Grower Rabbits Supplemented with and without Kingzyme®	543-546
35	210	Boladuro, B. A., Adeschinwa, O. A., Dunmade A. S. and Adeschinwa A. O. K.	Livestock Improvement Programme, I. A. R & T. Obafemi Awolowo University, Moor Plantation, Ibadan, Nigeria	Growth and serum biochemistry of grower pigs fed diets supplemented with multi-enzyme complex	547-550
	GROUP 5	RUMINANT PRODUCTION & NUTRITION / PASTURE & RANGE MANAGEMENT/ LIVESTOCK ECONOMICS & EXTENSION	CHAIRMAN: Prof NJIDDA, A. A	RAPPORTEUR: Dr (Mrs) Karimat Imam Aliyu	
SN	CP	AUTHORS	CORRESPONDING ADDRESS	TITLE	Pages
1	003	Joseph, M. A., Abisoye, F. O., Ogaji E. O., Enefolo, I. M., and Emmanuel, O. S.	Department of Animal Health and Production Technology, Kogi State Polytechnic, Lokoja, Nigeria.	Effects of Different Processing Methods on the Proximate Composition of Gmelina arborea Leaf Meal	551-553
2	004	Millam, J. J., Ahijo, C., Abbaya, H. Y. and Kosontyav,	Department of Animal Production, Adamawa State University, Mubi,	Nutrient and phytochemical composition of black-bindweed (Fallopia convolvulus) hay\	554-557
3	007	Mijinyawa, M.A., Lamidi, O.S., Abdu, S.B., Hassan, M. R, Jinadu, L. A, Nayawo A. A., Ado, F. H., Kibiya, H.Y., Bala, A.G and Bello, S.S	Department of Agricultural Education, Sa'adatu Rimi College of Education, Kumbotso, Kano	Effects of varied inclusion levels of yeast in bagasse based total mixed ration on methane estimation by Yankasa rams.	
4	008	Nayawo, A.A., Ehoche, O W., Otaru, S.M., Abdu, S.B. Mijinyawa, M. A.	Department of Agricultural Education, Sa'adatu Rimi College of Education, Kumbotso,	Serum biochemical profiles of growing Yankasa rams fed diets containing different proportions of urea treated rice straw and gamba hay	
5	011	Buba M	Department of Animal Health and Production Technology, Federal Polytechnic Bali, Bali, Taraba State. Nigeria.	Effect of supplementing lablab and Andropogon gayanus in feeding sheep in the semi arid environment	
6	012	Kuttu, J. M., Garba, Y., Lushi, A. I., and Nasir A.	Department of Agricultural Education, Federal College of Education (Technical) Bichi, Kano state.	Evaluation of vines ensiling period and additives on nutrient composition and In vitro gas production of sweet potato silage	
7	014	Babuwa B.	Department of Animal Health and Production Technology, Federal Polytechnic Bali, Bali, Taraba State.	Problems affecting management and production system of ruminant animals in Sardauna local government area of Taraba state, Nigeria (a survey)	
8	018	Adebisi, I.A., Ajibike, A.B., Okunlola, O.O., Oladepo, O., Amusa, H.O., Mustapha, T.B., Adesope, A.T. and Ojetola, O.R.	Department of Animal Production Technology, Oyo State College of Agriculture and Technology, Igboora, Oyo State.	Evaluation of selected serum macro minerals in west african dwarf rams fed selected browse fodders and guinea grass hay	
9	041	Okunlola, O. O., Alalade, J. A., and Adebisi, I. A.	Department of Animal Production Technology, Oyo State College of Agriculture and Technology, Igboora, Oyo State.	Growth performance and nutrient digestibility of West African dwarf rams fed Megathyrus maximus ensiled with dried banana peels and dried poultry litters	
10	044	N. G Dubagari., Bridget Bagudu' and Jibrin Jafar. '	Department of Animal Health and Production Technology, Federal Polytechnic Bali, Taraba State.	Effect of genotype and sex on body weight and morphometrics of Yankasa and Uda sheep in Bali, Taraba state	
11	045	Mustapha, K., Ashiru R. M., Obadire, F. O., Ubali, S	Department of Animal Science, Federal University Dutse, Jigawa State Nigeria	Nutrient Intake of Yankasa Rams Fed Diets Containing Graded Levels of fermented Hibiscus sabdariffa L. (Roselle) Seed Meal	
12	048	Emiola, C.B., Muraina, T.O., Adams, T.O., Bako, B.A., and Oguntade I.A.	Department of Animal Production and Technology, OSCA&T, Igboora, Oyo State	Effect of storage period on proximate composition of congo grass (Brachiaria ruziziensis) hay	

SN	TIME	ACTIVITY	DESIGNATE
1	Sunday 12 th November, 2023	Arrival of Participants/Registration	
Monday 13 th November, 2023			
1	8:00am –	Registration Continues	
2	8:30am -10:30am	Technical/Scientific Sessions	Prof. A. A. Odunsi
3	8:30am - 10:30am	NIAS Council Meeting	NIAS
4	10:30am -11:30am	ASAN-NIAS-Pastoralist Round Table	Prof. D. J. U. Kalla
5	11:30am - 12:30pm	1. Panel Discussion - Sub Theme 1: <i>Effective Harnessing of Alternative Feed Resources for Ruminants and Monogastrics to Address High Production Cost, Food and National Security.</i>	Lead Speaker - Prof. M. A. Bamikole (Chairman NIAS Small Ruminant Discipline) Discussants: 1. Chief S. Ohwofa (Chairman FIPAN Strategic Committee) 2. Prof. Francis Abeke (NAPRI)
6	12.30 pm – 1.30 pm	2. Panel Discussion - Sub Theme 2: <i>Addressing Seasonal Egg Glut in the Poultry Industry in Nigeria.</i>	Lead Speaker - Pastor Taiwo Adeoye (Chairman, Poultry Discipline NIAS). Discussants 1. Prof. T. S. Olugbemi (ABU) 2. Dr. Chris Edeh (Director, Emmpek Foods) 3. Dr. Onallo Akpa (DG, Poultry Association of Nigeria)
7	1:30 pm – 2:30pm	Lunch break	
8	2:30 pm – 4:30pm	Technical/Scientific Session	Prof. A. A. Odunsi
9	4:30 pm – 6:30 pm	NIAS ANNUAL GENERAL MEETING	NIAS
Tuesday 14 th November, 2023			
The Opening Ceremony/NIAS – FCASN, RAS & AAS Induction			
1	8:00am –	Registration	
2	9:15-9:20am	Inductees Seated	
3	9:15-9:20am	Arrival of Guest & Participants	
4	9:20-9:25am	Procession of NIAS Fellows and Council Members	
5	9:25 -9:28am	National Anthem	
6	9:28 -9:30am	Opening Prayers	2 nd Stanza
7	9:30-9:35am	LOC Chairman Remarks	Mr. John Toyin Taiwo
8	9:35-9:40am	ASAN National President	Mr. Raymond Isiadinso
9	9:40-9:45am	NIAS President	Prof. Baba Yusuf Abubakar
10	9:45-9:50am	Goodwill messages	FAO Representative to Nigeria and ECOWAS.
11	9:55 -10:00 am		Chairman, House Committee on Agriculture
12	10:00-10:05 am		Chairman, Senate Committee on Agriculture
13	10:05-10:10 am		Mandate Secretary, ARD Secretariat, FCTA
14	10:10 -10:15 am		Hon Minister of State FMAFS Sen. Dr. Aliyu Sabi Abdullahi con

12th

ASAN-NIAS JOINT ANNUAL MEETING



ABUJA 2023

11	10:10-10:20am	Welcome Address	His Excellency NYESOM EZENWO WIKE, CON HONOURABLE MINISTER FCT
	10:20-10:30am	Chairman's Address	His Excellency, Dr. Abdullahi Umar Ganduje, CON
12	10.30-10.40 am	Opening Address	Hon Minister of FMAFS SENATOR ABUBAKAR KYARI, CON
13	10:40-11:00am	Keynote Address	Prof. Emmanuel Babafunso Sonaiya
14	11:00-11:20am	Product presentations	N-LMP, LPRES, FDH Agrovet
15	11:20am - 12:00noon	Awards <ul style="list-style-type: none"> • Secondary School Quiz Winners • Distinguished Animal Scientist –DAS- ASAN • Life Membership of ASAN • Fellowship – FCASN– NIAS • Others 	
16	12:00noon - 12:03pm	Invitation to Initiate Induction	NIAS Registrar
17	12:03-12:05pm	Convocation of the Induction	NIAS President
18	12:05-12:10pm	Code of Conduct for Associate Animal Scientist and Registered Animal Scientist	NIAS Registrar
19	12:10-12:05pm	Presentation of Inductees	NIAS Registrar
20	12:05-12:08pm	Invitation of Judge	NIAS Registrar
21	12:08-12:18pm	INDUCTION: Associate Animal Scientists (AAS) and Registered Animal Scientists (RAS)	His Lordship the Chief Judge of FCT
22	12:18-12:28pm	Exhortation	NIAS President
23	12:28-12:30pm	Invitation of NIAS President to close the Induction ceremony	NIAS Registrar
24	12:30-12:32pm	Closing of the Induction ceremony	NIAS President
25	12:32-12:35pm	Vote of Thanks	NIAS Vice President I
26	12:35-12:38pm	Closing Prayer	
27	12:38-12:40pm	National Anthem	
28	12:40pm	Recession	
Group Photograph /Visit to exhibition stands			
30	12.50 – 2.00pm	Lunch & Prayers Break	
31	2:00-4:30pm	ASAN AGM	ASAN
		Closing	
Wednesday 15th November, 2023			
		Departure	

12th

ASAN-NIAS JOINT ANNUAL MEETING



ABUJA 2023

	GROUP 4	MONOGASTRIC PRODUCTION & NUTRITION 2	CHAIRMAN: Prof. (Mrs.) IYEGHE-ERAKPOTOBOR, G.T	RAPPORTEUR: Dr SIKIRU, A. B	
SN	CP	AUTHORS	CORRESPONDING ADDRESS	TITLE	Pages
1	098	Oyelekan T.N., Ademola, S.G., Akinwumi, A.O, Arasi, K.K. and Adio A.A.	Department of Animal Nutrition and Biotechnology, LAUTECH, Ogbomoso, Oyo State.	Evaluation of Growth Performance of Broiler Chickens Fed Differently Processed Cocoa Beans Shell	422-426
2	105	Anyigor, E. A., Okechie, U.N. Aladi, N. O. and Etuk, E. B. anyigoremeka@gmail.com .	Department of Animal Production Technology, Federal College of Land Resources Technology, Owerri.	Nitrogen and phosphorus content of litter from pens of broiler chickens raised on changing times of the dual phase feeding regime	427-430
3	106	Adio A.A., Ademola S.G., Arasi K.K.and John J.G.,	Department of Animal Nutrition and Biotechnology, LAUTECH, Ogbomoso, Oyo State	Performance and Internal Quality of Stored Eggs Of Hens Fed Dietary Turmeric and Clove	431-434
4	115	Adesope, A.T., Adams, T.O., Bako, B.A., Oseni, T.A., Adebisi, I.A., and Adeleye, S.O.	Department of Animal Production Technology, Oyo State College of Agriculture and Technology, Igboora, Oyo State, Nigeria	Effect of varying levels of aqueous extract of scent leaf in water on haematological parameters of commercial broiler	435-438
5	119	Oseni, T.A., Bamgbose, A.M. , Amusa, H.O., Oladejo, A.O.,Ogungbenro S.D., Makanju, T.D., ² Oladigbolu, F.D, and ² Orbugh, A.T.	Department of Animal Health and Production Technology, Oyo State College of Agriculture and Technology, Igboora, Oyo state, Nigeria.	Dietary effects of varying levels of sawdust as partial replacement for wheat offal on nutrient digestibility of weaner rabbits	439-441
6	121	Nduka, C.E., Hart, U.V., Adetutu, O.I., Olabode, A.D. and Eli, E.	Federal college of Agriculture, Ishaigu, Ebonyi State, Nigeria.	Effect of Aidan fruit (Tetrapleura tetraptera) Fruit Meal on the Growth Performance of Laying Chickens	442-445
7	127	Adetola, O. O., Adewumi, M. O., Babatunde, M.O. and Odetola, M.O.	Federal University of Animal Health and Production Technology, Moor Plantation Ibadan, Oyo State, Nigeria.	Growth performance and blood profile of broiler chickens fed diets supplemented with graded levels of guster bp70'	446-449
8	129	Alhabib, I. K., Barje, P. P., Dahiru, M.G., Ndams, S.S, DareT.Aand Bature,I. I.	College of Agriculture and Animal Science, Ahmadu Bello University, Mando Road, Kaduna.	Growth performance and Haematological Parameters of Broiler Chickens supplemented with Coffee Senna seed (Senna occidentalis) Powder at Finisher phase	450-452
9	131	Nuhu, S. H., Mohammed, A.Mijinyawa, A., Sani, I., Yaro, S. S., Sani, A.,	Department of Animal Health and Production Federal Polytechnic, Bauchi	Egg Quality Characteristics of Guinea Fowl Numida meleagris Fed Different Commercial Feeds	453-456
10	132	Gbubemi P. U., Williams, G. A., Odunsi, A. A and Lateef, A	Department of Animal Science, School of Agriculture, Epe campus, Lagos State University, Nigeria,	Performance of broilers fed diets containing phyto-mediated calcium phosphate nano particles as additives	457-460
11	135	Mafimidiwo, A.N., Adebayo, B.J., Rabi, L.A., Sule, R., Saibu, O.O and Omotunde, P.F	Department of Animal Production Technology, Yaba College of Technology, Epe, Lagos. Nigeria.	Performance and cost benefit of replacing maize (Zea mays) with fermented cassava root-leaf blend meal in Weaned rabbits' diets	461-464
12	136	Usman, M.O., Alu, S.E., Ari, M.M., Kasimu, U.M., Aisha A.M., Abdullahi, H.R., and Guluwa, L.Y.	Department of Animal Science, Faculty of Agriculture, Nasarawa State University, Keffi, Nasarawa State, Nigeria.	Effects of Exogenous Enzyme Supplementation of Fermented Sugarcane Scrapping Meal-Based Diets on Carcass Characteristics of Japanese Quails (Cortunioxortuniox Japonica)	465-467
13	139	NWAFOR, I. U., MANCHA, Y. P and ABDULHARIM, M.	Department of Animal Production, Abubakar Tafawa Balewa University, Bauchi,	Performance and carcass characteristics of broiler chickens fed different levels of local white sorghum (farfara) as replacement for white maize	468-470
14	140	Ojedian, T. K., Olorunlowu, S. A. Olayeni, T. B. and Emiola, I. A.	Department of Animal Nutrition and Biotechnology, LAUTECH, Ogbomoso Nigeria	Performance of weaner pigs fed unshelled maize meal	471-475
15	142	Yisa C. T., Ogunbajo, S. A. and Adebayo, R. A	Department of Animal Production, Federal University of Technology, Minna, Niger State.	Performance of broiler chickens fed varying levels of differently processed desert date (Balanites aegyptiaca) seed meal diets at starter phase	476-478
16	146	Nkwocha, G.A., A deolu, A. I and Okah, A. E.	Faculty of Agriculture, Alex Ekwueme Federal University Ndufu–Alike IkwoAbakaliki, Ebonyi state.	Haematological estimates of finisher broilers fed graded levels of Morin ga oleifera and Carica papaya leaf meal as dietary supplement	479-482
17	147	Ndams, S.S., Dare, T. Y. and Jantiku, H. J.	Department of Animal Science, Ahmadu Bello University, Zaria, Nigeria	Comparative evaluation of the proximate composition of four commercial broiler starter diets sold within Kaduna metropolis: a laboratory based study	483-485
18	149	Olaiya, O. D, Egbo, M. L., Kalla, D. J. U., Adelowo, V. O., Okpara, J. O., Bello, A. T and Hassan, I.M	Federal College of Animal Health and Production Technology, Vom	Performance, nutrient digestibility and economic benefits of grower pigs fed Cabbage (Brassica oleracea Var) waste leaf meal	486-489
19	150	Lawal W.S and Apata D.F Department of Animal Production, Fisheries and Aquaculture, Kwara State University, Malete, Nigeria.	Department of Animal Production Technology, Kwara State Polytechnic. Ilorin, Kwara State.	Assessment of some herbal plants for their phytochemical contents and invitro assay of their antioxidant potentials for alleviating heat stress in broiler birds	490-493

12th

ASAN-NIAS JOINT ANNUAL MEETING



ABUJA 2023

23	049	Opoola, E [*] , Makinde, O.J [*] Olobatoke, R.Y. Atte, P.O. and Olaniran, G	Animal Science Department. Ahmadu Bello University, Zaria.	Effect of dietary supplementation of zinc oxide on apparent nutrient digestibility and litter quality of broiler chickens reared in the tropics
24	053	Edeh Henry Onyeji, Ani Augustine Ogbonna, Ude Fredrick Ugochukwu, Ogwuegbu Mercy Chisara, Ilo Stanley Uzochukwu, Onodugo Matthew Onyeka' and Nwaoga Cornelius Chijioke	Department of Animal Science, University of Nigeria Nsukka, Nigeria.	Evaluation of Energy and Protein requirements of growing local Turkeys (4weeks to 8weeks of age) reared in hot humid tropics.
25	056	Bot, M.H., Aliyu, I.P., Salifu, A.O., Duru, S., Imoisi, C.O. and Zungum, A.G.	Federal College of Animal Health and Production Technology, NVRI, Vom, Plateau State.	Effect of phytase enzymatic-treated black finger millet (Eleusine coracana) on carcass traits of broiler chickens
26	061	Olanloye, S. A., Oguntayo, M. A., Alade, A. A., Awesu, R. J. and Fafolu, O. A	Department of Animal Production, Olabisi Onabanjo University, Ayetoro Campus, Ogun state	Effect of multi-enzyme supplemented cassoya - based diets on growth response and cost benefit analysis of starter broiler chicks
27	065	Ezenwosu, C., Onyimonyi, A. E., Osita C. O'	Department of Animal Science, University of Nigeria, Nsukka, Nigeria	Effect of sodium bentonite and aluminum as feeding and litter management protocols on nutrient digestibility in noiler starter chickens
28	066	Irivboje, O.A. and Olufayo, O.O.	Department of Agricultural Technology, The Federal Polytechnic, Ilaro.	Impact of Different Levels of Plantain Peel Meal in Broiler Chicken Diets on Growth Performance during the Finished Phase
29	069	Sandra, Galilee.	Department of Animal Health and Production, Federal Polytechnic Bali, Taraba State.	Comparative study of experimentally formulated and commercially formulated feeds on performance of broiler chickens
30	070	Ajimohun Felicia Folashade	Rabbitary Division, National Veterinary Research Institute, Vom, Nigeria	Nutrient digestibility of weaner rabbits (<i>Oryctolagus Cuniculus</i>) offered rice offal as a replacement for wheat offal
31	071	Adeosun A. O., Akindele W. O. &Olarinwa, O. S.	Animal Science Unit, Oyo State College of Education, Lanlate, Oyo State.	Effects of varying inclusion levels of sundried cattle rumen content (SCRC) on carcass and haematological parameters of grower rabbits
32	072	AKINSUYI M.A. and FATUFE A. A.,	Department of Agricultural Technology, Ekiti State Polytechnic, Isan Ekiti	Performance and nutrient digestibility of locally adapted and exotic turkey fed varying energy/protein ratio diets in the humid tropics
33	074	Ogunbode, A.A., Mustapha, T.B and Olajide, R.D	Department of Animal Production Technology, Oyo State College of Agriculture and Technology, Igboora	Serum biochemistry of crossbred weaned pigs fed sawdust based diet
34	078	Ikpe, J. N.,Ahaotu, E.O., Okonkwo, V. N, Oko, E. C, Vining-Ogu, I. C, Abdullahi, J. Mbachu, M. U.	Department of Animal Health and Production Technology, Akanulbiam Federal Polytechnic, Unwana, Ebonyi State.	Serum biochemical indices of finisher broiler chicken fed NaOH treated and untreated Palm Press Fibre meal based diets
35	080	Makama, R.S., Aaron, C.D., David, B. and Kehinde, W.H.	Department of Animal Science, Kaduna State University, Kaduna.	Effect of feeding graded levels of scent leaf (<i>Ocimumgratissimum</i>) meal on growth performance and carcass characteristics of broiler chickens
36	086	Salihi, E.A., Onimisi, P.A., Omage, J.J., Reuben, R.S. and Yunana, Y.L.	Ahmadu Bello University, Zaria, Nigeria	Evaluation of the Proximate, Phytochemical and Essential Oil Composition of <i>Ocimumgratissimum</i> and <i>Ocimumcanum</i> Leaves as Phytogenic Feed Additives
37	088	Essien, C. A., Sam, I. M. and Okon, U. M.	Department of Animal Science, Faculty of Agriculture, Akwa Ibom State University	Effect of <i>Jatropha tanjeronsis</i> leaf meal on performance, carcass and internal organ characteristics of broiler finisher chickens
38	089	Awodola-Peters, O. O., Yahaya, M. O. and Saka, A. A.	Federal College of Animal Health and Production Technology, Moor Plantation, Ibadan.	Phytochemical properties of siam weed (<i>Chromolaena odorata</i>) leaf meal and extract
39	090	Kehinde, W. H., Yayi, J. and Abdullahi, U. A.	Department of Animal Science, Kaduna State University, Kafanchan Campus	Morphometrical Changes in the Intestine of Broiler Chickens Supplemented with Turmeric Rhizome (<i>Curcuma longa</i>) Powder and Dried Okra Fruit (<i>Abelmoschus esculentus</i>) Powder
40	092	Williams, G. A. Mafimidiwo, A. N., Bello, F. D., Alausa, B. S., Babatunde, A. V., Adewale, A. O., Olajide, W. O., Anisere, O. E. and Apata, Q. G.	Department of Animal Science, School of Agriculture, Epe campus, Lagos State University, Lagos	Effect of dietary olive-garlic extract oil supplementation on lipid profile of meat and liver of broilers
41	093	Yusuf A.A, Agyo, B. Abba, H. K, and Bappa Yayya, J	Federal College of Education Technical Gombe.	Effects of Soaked and Boiled Pumpkin Seed meal on growth performance and Cost- Benefit Analysis of Growing Rabbits

30

12th

ASAN-NIAS JOINT ANNUAL MEETING



ABUJA 2023

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RAS, FNIAS, FASAN



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PROF. DEMO JOAB USMAN KALLA
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19

12th

ASAN-NIAS JOINT ANNUAL MEETING



ABUJA 2023

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62	JUNAID, HARUNA OLUWASEGUN
63	KOSSHAK, ALPHA SANI
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66	LAWAL, HIQMAT BUSAYO
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73	NLETEM, AMARUCHI

12th

ASAN-NIAS JOINT ANNUAL MEETING



ABUJA 2023

3	013	Ilaboya, I.I. and Imouokhome, J.I.	Department of Animal Science, Benson Idahosa University, Benin City, Edo state	Performance, carcass characteristics and economy of broilers fed cabbage (Brassica oleracea var. capitata) leaf residue	277-280
4	015	Ilaboya, I.I. and Omatsuli, M. O	Department of Animal Science, Benson Idahosa University, Benin City, Edo state	Effect of feeding dried cabbage (Brassica oleracea var. capitata) leaf residues on broiler performance, ileal digestibility and total tract nutrient retention	281-284
5	016	Kure, A.J.and Adamu, J.L.	Department of Animal Health and Production, Federal Polytechnic Bali, Taraba State	Performance and carcass characteristics of broilers administered lactic acid bacteria at finisher phase (Lactobacillusburgaricus)	285-287
6	017	Adeyemi, M. A. and Akinfala, E. O	Department of Animal Production and Health, Olusegun Agagu University of Science and Technology, Okitipupa	Response of grower-finisher pigs to cassava plant meal-based diets	288-290
7	019	Sudik, S. D.; Maidala, A.; Mankinde, O. J. Bagudu, I. A. and Lawan, A	Department of Animal Science, Federal University, Gashua, Yobe State	Nutrient composition of zobo waste: a by-product of roselle (Hibiscus sabdariffa) calyx	291-292
8	020	Amusa, H. O., Ogungbenro, S. D., Makanju, T. D., Oseni, T.A., Adebisi, I. A., Ojelere, I.M.	Department of Animal Health and Production Technology, Oyo State College of Agriculture and Technology, Igboora Oyo State,	Effect of varying inclusion level of Lablab purpureus soaked in pap water filtrate on carcass characteristics of broiler finisher	293-295
9	022	Asaniyan, E. K. and Adeyemi, M. A	Department of Animal Production and Health, Olusegun Agagu University of Science and Technology, Okitipupa. Ondo State	Egg production performance of isa brown laying hens fed cassava (Manihot esculenta) plant meal-based diets	296-299
10	023	Diri, M. and Johnson, N. C.	Department of Animals Science, Rivers State University, Port Harcourt	Garlic and Ginger Are Suitable Replacers for Antibiotics in Broiler Chicken Growth and Feed Efficiency	300-302
11	024	Nte, I. J., Alali, I. A. and Owen, O. J..	Department of Animal Science, Rivers State University, P. M. B. 5080, Port Harcourt,	Haematological and serum enzyme indices of finisher broiler chickens administered aqueous extracts of Tetrapleura tetraptera fruit	303-306
12	025	Adamu, J. L, Nyako, H.D Yusuf, S.Z and Kure, A.J.	Department of Animal Health and Production Technology, Federal Polytechnic Bali Bali Taraba State	Effects of replacing concentrate diet with hydroponic maize fodder on growth performance and heamatological parameters of weaner rabbits.	307-310
13	027	Adebowale, T.O.,Oso, A.O. and Bamgbose, A.M.	Department of Animal Nutrition, Federal University of Agriculture, Abeokuta.	Supplementation of methionine and lysine improved performance and gut morphology of broiler chickens fed cassava peel meal-based diet	311-312
14	028	Obasi, I. U., Obasi, E. N., Ogbuwue, I. P., Okoli, I. C. and Etuk, E. B	Department of Animal Science and Technology, Federal University of Technlogy, Owerri	Seventh-day response of broiler chickens to additives produced from Aspiliaafricana leaves using different extraction methods	313-316
15	030	Ogbamgba, V. M. & Johnson N.C.	¹ Department of Animal Science, Rivers State University, Port Harcourt, Rivers State	Tridax procumbens improves growth performance of rabbit bucks through feed intake and feed efficiency	317-319
16	033	Bandawa, G. J., Abbaator,, F. I. ² and Gambo M.	¹ Department of Animal Health and Production, Federal Polytechnic Bali, Nigeria	Effects of graded levels of cassava peels (Manihot esculentum crantz) supplementation on haematological indices and carcass characteristics of bucks fed a basal diet of gmelina arborea leaves	320-323
17	034	Bako, B.A., Adebisi, I. A., Oloko, A.B., Adams, T.O., Ogungbenro, S.D., Akinjogbin, T.A., Falola, O.O., Adesope, A.T., and Maradesa, P.A	Department of Animal Production Technology, Oyo State College of Agriculture and Technology, Igboora, Oyo State.	Haematological indices of commercial broiler chicken fed Ocimumgratissimum leaf meal as synthetic antibiotics alternative	324-327
18	035	Raji, M.O., Sule, R., Oloko, A.B., Aruna, A.O., Fasasi, M.O., Azeez, L., Oso, A.Oand Bamgbose, A.M	Department of Animal Production Technology, Oyo State College of Agriculture and Technology, Igboora, Oyo State	Economy of production of broiler starter and finisher fed formulated and four different commercial feeds	328-331
19	036	Gulukun, E. Z; Ari, M; Alu, S. E; Guluwa, L. Y; Wumnokol, D. P	Department of Animal Production Technology, Plateau State College of Agriculture, Garkawa.	Effect of differently processed kidney bean (Phaseolus vulgaris) seed meal on nutrient digestibility of grower rabbits	332-335
20	037	Azodo, L.N., Uzoma, C., Adetutu, O.I., and Olabode, A.D.	Federal college of Agriculture, Ishaigu, Ebonyi State.	Effect of Ginger lily (Costusafer) extract on the growth performance and cost benefit analysis of finisher broiler birds	336-339
21	038	Amos, M., Olabode, A.D., Eli, E., Idris, M. and Olabode, D.A.	Federal college of Agriculture, Ishaigu, Ebonyi state	Impact of Black Plum Leaf Meal on the Growth Performance and Serum Biochemistry of Finisher Broiler Birds	340-343
22	047	Adams, T.O., Raji M.O., Atilola, O.S., Emiola, C.B., Mustapha, T.B., Adetona, T.A	Department of Animal Health and Production, Oyo State College of Agriculture and Technology, Igboora, Oyo	Effect of ground maize cob as a replacement for wheat offal on carcass characteristics of weaner rabbits	344-347

12th

ASAN-NIAS JOINT ANNUAL MEETING



ABUJA 2023

21	112	Magaji, S.T, Latu, M.Y., Wumnokol, D.P and Dastu, A.J	Department of Animal Health Technology, Plateau State College of Agriculture, Garkawa,	Awareness on the public health importance of anthrax disease: A review	204-206
22	122	Umar, A.M., Idris, A.A., Nayawo, A.A., Sekiwa, A.Y., Musa, S.B., Muhammad, A.S. and Dahiru, M	Department of Animal Science, Federal University, Dutse,	Nutritional composition of skewed meat (tsire) sold in Dutsemetropolis, Jigawa State	207-209
23	124	Adeyemi A.A., Onyema C.C, Adesola E.T. and Adejumbi E.O.	Department of Animal Sciences, Obafemi Awolowo University, PMB 13, Ile-Ife.	Reproductive and serum indices of female rabbits fed guava leaf meal	210-213
24	137	Obisesan, O.M., Anifowose, O.R., Ajibade, A.O., Adelakun, O.D., Maruf, N.B.	Department of Animal Health Technology, Oyo State College of Agriculture and Technology, Igboora.	Isolation and resistance pattern of bacteria from moribund Clarias gariepinus	214-217
25	138	Okon, U. M., Ekpo, J. S. and Nuamah, E.	Department of Animal Science, Faculty of Agriculture, Akwa Ibom State University,	Sensory characteristics and proximate composition of barbecued rabbit biceps femoris cured with varying levels of Monodoramyristica	218-221
26	148	Akinbola E.T. and Ewuola E. O.	Department of Animal Science, University of Ibadan, Ibadan.	Effects of seasonal temperature humidity index and sexual dimorphism on thermophysiological responses of geese reared in Southwest Nigeria	222-226
27	151	Olujimi A. T and Ewuola E. O.	Department of Animal Science, University of Ibadan, Ibadan	Spermatozoa characteristics in layer breeder cock semen extended with different diluents in vitro	227-230
28	161	Obinna, A. L; Eze, V. I. N.; Udeh, V.C. and Machebe, N.S.	Department of Animal Science, University of Nigeria, Nsukka, Enugu State, Nigeria.	Growth performance and serum biochemistry of broiler chicken administered gmelina arborea leaf extract	231-233
29	167	Solomon, I. P., Mathew, S., Istifanus, E. F. and Tom, E. E.	Department of Animal Science, University of Uyo, Uyo, Akwa Ibom State, Nigeria	Haematological profile and Serum biochemistry of rabbit bucks fed supplemental levels of Saccharomyces cerevisiae	234-238
30	170	Ogunlade, J. T., Adeyemo, A.B. and Adebayo, T.S.	Department of Animal Science, Ekiti State University, Ado-Ekiti.	Fertility, hatchability, egg quality and serum biochemical parameters of Japanese quails reared under two housing systems	239-241
31	171	Adeniyi, A.O., Afolabi, R. A., Nwachukwu, J. I., Onu, H. C. and Agaviezor, B. O.	Animal Science Department, University of Port Harcourt, Port Harcourt.	Effect of Antibiotics Alternatives (Probiotics) on Biochemical Parameters of Arbor Acre Broiler Chickens	242-245
32	177	Saheed Abimbade, Adeyemi, I BRAHIM, Nafisa Abdulmumi ni, Sukurah Kehinde, Omotosh o Sule Bamidele, Akinleye, Moshood Abiola HARUNA	Department of Animal Science, Al-Hikmah University, Kwara State	Meat quality and organoleptic properties of broiler chicken fed graded level of syzygiumaromaticum as feed additive	246-249
33	182	Atte, P. O., Afolabi, A.S., Lawal, A.N., Olayinka, I.O. and Abisoye, F.O	College of Agriculture Kabba, Division of Agricultural Colleges, Ahmadu Bello University, Zaria,	The haematological and oxidative profile of cattle in kabba municipal abattoir	250-252
34	183	Oluwatoyinbo T. O and Ayoola, M. O	International Livestock Research Institute, Idi Ose, Oyo Road, IITA, Ibadan, Oyo State	Effect of aqueous extract of Parquetinagrescens on the hematological parameters and serum biochemistry of starter broiler	253-256
35	184	Sanubi, J.O., Ade, S., Obakanurhe, O. Irikefe-Ekeke, E.P., Ighobesuo, B.O., Onwumelu, I.J., and Osuzoka, N.E.	Department of Animal Science and Production, Dennis Osadebay University, Anwai, Asaba, Delta State	Haematology and Serum Biochemistry of grower pigs fed dietary Sweet Potato Leaf Meal (Ipomoea batatas) as replacement for Soya Bean Meal	257-260
36	197	K.I Aliyu, F.O Ajetumbi., A. Bello; E.A Peace; A.O Wisdom.	Department of Animal Science, University of Abuja, Abuja	Evaluation of reproductive parameters of rabbit buck fed papaya seed oil	261-263
37	198	Amao, E. A., Amao, O. D., Omoboko, D., Ilesanmi S. G., Rafiu, M. A. and Agbaye, F. P	Department of Animal Production and Technology, The Oke-Ogun Polytechnic, Saki, Oyo State,	Hormonal profile of rabbit does fed varying levels of clove powder	264-266
38	203	Ahmed, G., Kalla, D. J. U and Shehu, L. M.	Department of Animal Production, Abubakar Tafawa Balewa University, Bauchi	Comparative evaluation of nutrient composition and sensory attributes of kilishi from camel, beef and other red meat sources	267-269
	GROUP 3	MONOGASTRIC PRODUCTION & NUTRITION I	CHAIRMAN: Prof DAIRO, F. A. S	RAPPORTEUR: Dr.MAFIMIDIWO, A. N	
SN	CP	AUTHORS	CORRESPONDING ADDRESS	TITLE	Pages
1	001	Mustapha, A., Makinta, A. A., Benisheikh, A. A., Isah, A., Sani I	Department of Animal Production Technology, Ramat Polytechnic Maiduguri, Borno State,	Performance characteristics of broiler finisher fed phytoadditives in semi arid zone of Nigeria.	270-272
2	010	Sylva-Nyom, I. and Mashi,	*Department of Animal Health and	Haematology and Serum Biochemistry of Finisher	273-276

12th

ASAN-NIAS JOINT ANNUAL MEETING



ABUJA 2023

74	NWOZAKU, LEONARDMADUABUCHI	121	EYO, BLESSING EDEM
75	OBIOMA, CHIDIEBERE	122	FAWOLU, SUNDAY TAIWO
76	ODEYEMI, ADEBISI JOSHUA	123	IGIRIGI ANEM KOKINOBO
77	ODISI, PRECIOUS	124	IZEVBIGIE, PAMELA AISOSA
78	OGANIJA, KAOTHARAT YUSUF	125	JEJELOLA, BUKOLA OMOJOLA
79	OGUNFOWOTE, OLUWAGBENGA DAMILOLA	126	MMADUBUGWU, CHIDIEBEREANTHONY
80	OGUNJESA, ATINUKE BOLAJOKO	127	MUSTAPHA, BABAJIDE EMMANUEL
81	OJOAWO, HENRY, TEMITOPE A.	128	NJOKU, GLORY ONYINYE
82	OJONYE, ABOJE DANIEL	129	OGUNYEMI, DAYO JOHNSON
83	OKANI-ONYEJIKA, MIRIAN CHIKODI	130	OKONEDO, EMMANUEL OSASUMWEN
84	OKE, MOFOLUWASO OLAIDE	131	OLALEYE, BUSAYO FOLASHADE
85	OKEDUSI, KEHINDE ELIZABETH	132	OLARINRE, ISIAKA OPEYEMI
86	OKIRI, AMINA LARAI	133	OMHONRIA, YVONNE AIZIGHODE
87	OLAGOKE, OLAYEMI CHRISTIANA	134	OMOGO, BLESSING ODAA
88	OLAOYE, SHERIFAH ADUNNI	135	ONOBOR, EFFORT ETINOSA
89	OLUOKUN, SIMBIAT	136	ORINYA, OBIANUJU JECINTA
90	ONOGWU, LOVETH ONOJAH	137	OSAYUWU, ODUAGBON
91	OSAZUWA, GLORIA IMUENTINYAN	138	OSINOWO, OLUREMI ADEBISI
92	OTOIDE, EHIABHI	139	OSUNBOR, NORBERT OSASUMWEN
93	PATRICK, FAVOUR EVBU	140	SAMPSON, SAMPSON OKONO
94	SAIDU, ALIYU DABAI	141	UDOKWU, IJEOMA UGOCHUKWU
95	SANI, ADAMU	142	UWA, UNYIME GIDEON
96	SANNI, TAIWO HASSAN	143	ADELEYE, KADIJAT ADEJOKE
97	SUNDAY, CHRISTIANA OKEWOLE	144	DAUDA, BILYAMINU NUNGHE
98	TAPHEE, DOMITILLA GAIUS	145	FAGOYINBO, OLABISI SARAH
99	UBIT, OTOBONG KINGSLEY	146	OLAWOYE, SAMUEL OYEWALE
100	UDO, ETORO UDEME	147	SALAMI, RABIU IYIOLA
101	UGBOAJAH, EMMANUEL CHIDI	148	SOLATE, ADENIJI QUADRI
102	UMAR, HAMZA HAMMAN	149	ZUBAIRU, SAHEED TAIWO
103	WOZI, EBIKOBOWEI ELVIS ONOGWU	150	OKOSUN, IZIEGBE JASMINE
104	YEKINI, KABIR OLALEKAN	151	ADIAT, WALIYAT TITILOPE
105	ALLAHNANNAN, MANASSEH BULUS	152	BOLUWAJI, OLUWAPELUMVICTORIA
106	OLAGBAJU OLAWOLE TUNMISE	152	EKHORUTOMWEN, VICTORIA EGHOMWANRE
107	GEORGE VICTORIA	154	IBRAHIM, KAYODE ISIAKA
108	NGIDDA HALIMA ZIRA	155	KOLOESO, IBRAHIM MUHAMMAD
109	OGUNLESI ISMAIL	156	OGUNDEJI, OLUWADARE SAMUEL
110	LEE-BENSON MERCY	157	OJOH, OSIGBEMHE
111	EWeka SANDRA OSARETIN	158	OLATUNJI, OLUWATOSIN ADEDAYO
112	NZENERI, JUDE ONYEBUCHI	159	OYENIYI, IYABO OYENIKE
RE- INVITED REGISTERED ANIMAL SCIENTISTS'		160	UZOCHUKWU, IFEANYI EMMANUEL
113	ABDULAZEEZ, FARUK	161	EGWU MARY EKWUTOSI
114	ADAMU, FIRDAUS OMOTUEBHE		
115	ADEFOWOPE, OLANREWaju MORUFF		
116	ADELEKAN, JIMOH ADEKUNLE	1	BULAMA, MOHAMMED
117	AKINTAYO, OLUWAREMILEKUN	2	DRAMBI, MICHEAL
118	ANONGOCHIA, ONYEKACHI VIRTUOUS		
119	EMMANUEL AKPAN THOMPSON		
120	BWALA, RAHILA MUSA	3	AJAYI, ADEBAYO JACOB
		4	UDONYAH, ANIEKEME SUNDAY

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12th

ASAN-NIAS JOINT ANNUAL MEETING



GROUP 2		ANIMAL PHYSIOLOGY, REPRODUCTION & HEALTH / ANIMAL PRODUCTS PROCESSING & TECHNOLOGY	CHAIRMAN: Prof SHAAHU, D. T	RAPPORTEUR: Dr (Mrs) OLAGOKE, O. C	
SN	CP	AUTHORS	CORRESPONDING ADDRESS	TITLE	Pages
1	006	Sikiru, A.B., Muhammad, I.R., Egena, S.S.A, Alemede, I.C., and Oleforuh-Okoleh, V. U	Department of Animal Science, Federal University of Agriculture Zuru, Nigeria.	Urinary Metabolites as Biomarkers for Animal Performance – Focus on Reproduction, Lymphatic Health, and Adaptation to Bioclimatology	128-132
2	026	Evans E. I, Sam I. M, Ekpenyong, U. A. Ozung, P. O, and Christopher, G.	Department of Animal Science, Akwa Ibom State University. Obio Akpa Campus, Akwa-Ibon State	Reproductive response of rabbits fed fermented Delonix regia seed meal in South-south Nigeria	133-137
3	029	Johnson N.C &Ogbamgba, V. M.	Department of Animal Science, Rivers State University, Port Harcourt, Rivers State	Effects of feeding graded levels of tridax procumbens on liver health and electrolytes’ status of buck rabbits	138-140
4	031	Woke, J. A. and Johnson, N. C	Department of Animal Science, Rivers State University, Port Harcourt.	The Effects of Garlic and Ginger Supplementation on Antioxidant and Prooxidant Responses in Broiler Chickens	141-144
5	042	Oyeleye, O. O., Adeoye, A. A. and Ezekiel, R. O.	Department of Animal Production and Health, Olusegun Agagu University of Science and Technology, Okitipupa, Ondo State.	Pigmenting efficacy of synthetic carotenoids on egg quality characteristics	145-148
6	043	Fatoba T. A, Akanbi A, S, Faturoti E A and Odofin M. G.,	Department of Animal Production and Health, Olusegun Agagu University of Science and Technology, Okitipupa	Effect of aqueous leaf extract of Heliotropium indicum on the Haematological parameters of New Zealand white rabbit bucks	149-152
7	051	Daramola O.T and ArireE. O	Department of Agricultural Technology, Federal Polytechnics Ado Ekiti, Ekiti State,	Effects of different phytogetic supplements on proximate composition and pH of broiler meat	153-156
8	052	Daramola O.T and ArireE. O	Department of Agricultural Technology, Federal Polytechnics Ado Ekiti, Ekiti State	Antioxidant effect of phytogetic supplements on broiler chickens	157-160
9	054	Bulau, M. M., Saleh, B., Raji, A.O., Izge, U.T and Aminami, M	Department of Animal Science, University of Maiduguri, Maiduguri, Borno State.	Effect of Baobab (Adansonia digitata) and Tamarind (Tamarindus indica) Extract on Testicular Sperm Reserve of Noiler and Indigenous cocks.	161-163
10	060	Mohammed, A., Inusa S. K. and Abdullahi, M. H	Department of Animal Science, Federal University Gashua,	High performance liquid chromatography analysis of sodium benzoate concentration in yoghurt and kindirmo (local yoghurt) in Kano metropolis	164-166
11	076	Aba, C. N., Ikeh, N. E., Ali, L. C., Anizoba, N. W., Ezenwosu, C., Amaefule, B. C. and Machebe, N.S	Department of Animal Science, Faculty of Agriculture, University of Nigeria Nsukka,	Ovarian Morphometry and Histology of Laying Hens Fed Varying Dietary Levels of Organic Selenium and Vitamin E	167-170
12	083	Osayande,U.D, Bitto, I. I,Okewale, S. A	Department of Agricultural Technology, Edo State College of Agriculture and Natural Resources, Iguoriakhi, Nigeria	Biochemical composition of cerebral fluid in relation to reproduction in goats in the tropics	171-175
13	084	Idowu K.R, Adeyemo A. A. and Iyanda A.I.	Department of Animal Production and Health, Federal University of Agriculture, Abeokuta, Ogun state.	Microbial evaluation of gastro-intestinal tract of Noiler fed different biotic additives	176-178
14	087	Aguihe P.C., Mohammed H., Osaguona P.O, Komolafe P.L Uwaeziozi U.C. and Ntagbu F.G.	Department of Animal Health and Production Technology, Federal College of Wildlife Management, New Bussa	Dietary supplementation of dried brewery residue based diets with organic acid on meat quality and organoleptic attributes of broiler chickens	179-182
15	095	Shittu, M. D., Akinwande, B. O., Emmanuel, P. O., Alagbe, O. J. and Ojebiyi, O. O	Dept. of Animal Production and Health, Ladoke Akintola University of Technology, Ogbomoso	Growth performance, nutrient digestibility and blood profile of rabbits fed varied supplementation levels of negro pepper (Xylopia aethiopia)	183-186
16	097	Panuel, B., Musa, N. and Abbaya, H.Y	Department of Animal health and Production Technology, Adamawa State College of Agriculture Ganye, Nigeria,	Haematological indices of indigenous goat breeds: a case study of some villages in Ganye local government area, Adamawa state as affected by sex and location	187-189
17	101	Amaefule, B.C., Ikeh, N.E., Nnajofofor, N.W. Umeugokwe, P.I., Chukwudi, P. and Amachebe, N.S	Department of Animal Science, University of Nigeria, Nsukka,	Effect of photoperiod and herbal dietary additive on the haematological indices of guinea fowl hens	190-193
18	102	Oyegunwa, Adekoyojo Samuel and Kassim Hassan Gbenga	Department of Agricultural Science, Tai Solarin University of Education, Ijagun Ijebu Ode, Nigeria,	Ameliorative effect of turmeric antioxidant extract (Curcuma aromatica) on performance of finisher broiler during aflatoxicosis	194-196
19	110	Tirmidhi, A.B.,Aboluja, A.B., David, D.G., Hureira, A.T and Haulatu, B.A	Department of Animal Science, Taraba State University, Jalingo,	Prevalence of bovine tuberculosis in Zing abattoir, Zing Local government area of Taraba state.	197-199
20	111	Ubua, J.A., Aboluja, A.B., and	Department of Animal Science, Taraba	Histopathological characteristics of broiler chickens	200-203

12th

ASAN-NIAS JOINT ANNUAL MEETING



ABUJA 2023

18	104	Abiola-Olagunju, O., Akinwande, V.O., Mako, A. A., Ogunwale, O.A., Muritala, S. O., Bamgbose, R.O., Olaoye K. T., Azeez, Q. O and Ajagunbade, W.T	Department of Microbiology, Lead City University, Ibadan. Oyo State.	Evaluation of nutritive value of some agricultural wastes as off season feed supplements for ruminants	63-65
19	108	Yisa, A. G.	Animal Production Department, School of Animal Health and Production, Vom Federal College of Animal Health and Production Technology,	The effects of inorganic (non-nutrient) growth promoting agents in broiler chicken diets: A review	66-68
20	133	E. E. Akangbe and A. A. Odukoya	Department of Animal Production and Health, Edo State College of Agriculture and Natural Resources, Iguorikhi, Edo state	Biochemical response of Weanling Wistar Rats administered crude extracts of Moringa oleifera leaf	69-71
21	145	Mafimidiwo, A.N., Adebayo, B.J., Williams, G.A., Olayemi, W.A and Olayinka, O.A.	Department of Animal Production Technology, Yaba College of Technology, Epe, Lagos. Nigeria.		72-75
22	155	Abdulrahman M., Kabir M. Umar, U. A., Hussaini, M., Ibrahim U.M., Ereke S.O., Ishiaku Y.M, Abdulrahman I and Habibu B.	National Animal Production Research Institute, Shika.	Genomic conserved regions, GAPS, SNPS between growth hormone, insulin-like growth factor 1, myostatin genes of chicken, rabbit and sheep	76-79
23	158	Abdulraheem, A. O , Gideon, G , Mohammed, A. Shettima, M. M and Raji , A. O.	Department of Animal Science, Faculty of Agriculture, University of Maiduguri, Maiduguri, Borno State	Growth patterns of indigenous normal feathered chickens reared intensively in Borno, North East Nigeria	80-83
24	169	U.A. Eshimutu, I. Mallam, S.O. Nureni and O. Afolayan	¹ Department of Animal Health and Production Technology, Federal College of Agriculture, Akure	Evaluation of aspartate and alanine aminotransferase on growth trait of pure and crossbred weaner rabbits	84-87
25	176	K.T. Akanniand G.A. Ajayi.	Department of Agricultural Education, Federal College of Education, Abeokuta	Breeding and efficiency of feed utilization in diallel crossed rabbits in a humid climate	88-91
26	179	Oladejo Opeyemi. A., Akinjogbin Tunde A., Adeleye Bobola E., Ayoola Mathew. O, Oguntunji Abel. O, Alabi, Olufemi. M, Lawal,	¹ Animal Science and Fisheries Management, Agriculture Programme, College of Agriculture, Engineering, and Science, Bowen University, Iwo	Effect of breed on the growth of New Zealand White rabbits and the crossbred -two strains of Hyla (Hyla ng and Hyla max)	92-94
27	186	Kosshak, A. S., Raji, A. M. Gambo, D., Umar, M. K	¹ Department of Agricultural Technology, Federal College of Land Resources Technology, Kuru-Jos, Plateau State,	Principal component analysis of body weight and morphometric traits of Japanese quails reared on Jos Plateau, Nigeria.	95-98
28	191	Zannah, B. B., Yusuf, M. J., Jibrin T. A., Marte, A. M. and Aminami, M.	Department of Animal Science, University of Maiduguri, Borno State, Nigeria.	Genetic correlation and influence of litter size on body weights of domestic pigeon squabs (Columba livia) at different ages in Maiduguri, Borno state, Nigeria	99-102
29	195	Ogutade, D. O :Orose, Ekinadose; Noseregebe, R; Ilori, B. M	Department of Animal Science, Ambrose Alli University, Ekpoma, Edo State.	Mutational and evolutionary analyses of mc1r gene in exotic and Nigerian indigenous turkeys with different colored feathers	103-106
30	199	Adejo, C.O, Okoh, J.J, Adunfe, T.A, Adeyemi, A.M , Nuhu, S.H , Enefolu, I. M, Amedu, G and Peter, P.O,	Department of Animal Science, Federal University, Kashere, Nigeria,	Constraints to the use of molecular assisted selection in the genetic improvement of indigenous livestock in Nigeria: a review	107-109
31	200	Abisoye, F. O., Atte , P. O, Adedibu, I.I., Kabir, M, Joseph, M. A., and Adebayo, O. M	Department of Animal Health and Production Technology, School of Agriculture, Kogi State Polytechnic, Itakpe, Kogi State	Biochemical Comparison between Sokoto Gudali and White Fulani Cows	110-112
32	204	Daniel, C., Abdulkarim, M and Sanusi, M	Department of Animal Production, Abubakar Tafawa Balewa University, Bauchi	Study on fish farms management practices in Bauchi metropolis	113-116
33	208	Kperegbeji, J. I [†] and Onwumere-Idolor, S.O [*]	Department of Animal Production, Delta State University of Science and Technology, Ozoro, Nigeria.	Variation in Growth Performance of Black Versus Broad-Breasted White Turkey Meat Type	117-120
34	211	Dahiru, M.G., Umar, A.U., Al-Habib, K.I., Shuaibu, A.S. and F.I. Mohammed	College of Agriculture and Animal Science, Ahmadu Bello University, Mando - Road, Kaduna;	Association between live weight and body linear measurements of helmeted guinea fowl (Numidia meleagris) in sub humid zone of Nigeria	121-123
35	212	Adaramola, K.A., Tairu, H.M., Adelodun, O.B. and Olajide, A.O.	¹ Department of Science Laboratory Technology, Oyo State College of Agriculture and Technology, P.M.B.10, Igboora, Oyo State, Nigeria	Comparative analysis of antibacterial activities of <i>Parkia biglobosa</i> leaves and husk against <i>Staphylococcus epidermis</i> and <i>Pseudomonas aeruginosa</i> isolated from the oral of African catfish (<i>Clarias gariepinus</i>)	124-127

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SCIENTIFIC SESSION 1: MONDAY, NOVEMBER 13, 2023 (8.30AM-10.30AM)

SCIENTIFIC SESSION 2: MONDAY, NOVEMBER 13, 2023 (2.30 PM – 4.30 PM)

LIST OF REVIEWERS ABE, O. S, (DR)

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24

12th

ASAN-NIAS JOINT ANNUAL MEETING



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	GROUP 1	ANIMAL BREEDING & GENETICS/ ANIMAL BIOTECHNOLOGY/ MICROLIVESTOCK & AQUACULTURE	CHAIRMAN: Dr SHOYOMBO, Ayo	RAPPORTEUR: Dr JUBRIL Ahmed	
SN	CP	AUTHORS	CORRESPONDING ADDRESS	TITLE	Pages
1	002	Abbaya, H. Y., Mathew, N., Millam, J. J. and Babale, D.M	Department of Animal Production, Adamawa State University, Mubi, Adamawa State.	Specie effect of serum anti-oxidation activities in some animals in hot season of Mubi	1-3
2	005	Idris, I. A and Dauda, A. S. Y	Department of Agriculture and Natural Resources, Chanchaga LGA Minna,	Correlations between body weight and some linear body measurements in the Nigerian heavy ecotype native cocks.	4-7
3	009	Amao, S. R., Oyewumi, S.O. and Ayoola, V. O.	Department of Agricultural Education, Emmanuel Alayande University of Education, Oyo, Oyo State	Prediction of Body Weight with Morphometric Traits in Describing male Ross 308 broiler chicken train using three models	8-11
4	021	Edache, J.A., Yisa, A.G., Tuleun, C.D., Muduudtai, U.R., Edache, D.O., and Adamu, M. A.	Federal College of Animal Health and Production Technology, Vom, Plateaus State	Effects of feeding diets containing varying levels of bakery waste on growing rabbits	12-14
5	032	Olusola, S. E., ² Uguh, P. and Anthony, E. O.	Department of Fisheries and Aquaculture Technology, School of Agriculture, Food and Natural Resources, Olusegun Agagu University of Science and Technology, Okitipupa, Nigeria	Biomedical effect of Cnestisferruginea leaves extracts against some pathogenic microorganisms isolated from Clarias gariepinus	15-18
6	039	Olaifa, F. E, Okeowo, G.O and Olowojuni, O.	Department of Aquaculture and Fisheries Management, University of Ibadan, Ibadan	Organochlorine pesticides residues in commercial frozen Merluccius productus from selected market at Ibadan-north, local government, Oyo state	19-20
7	040	Aguihe, P. C., Ilaboya, I.I., Ajibade, A. A., Okoro, P.I. and Omatsuli, M. O.	Department of Animal Health and Production Technology, Federal College of Wildlife Management, New Bussa, Niger state	Growth performance and digestive tract pH of broiler chickens fed fermented brewery residue meal based diets with acidifier supplementation	21-24
8	046	Mohammed, A., Modu-Kagu, H.A., Ibrahim, M.M.,	Department of General Agriculture, Borno State University, Maiduguri, Borno State;	mRNA Expression Patterns of Ovine IgF-1 Gene in muscle of Some Nigerian Sheep Breeds	25-28
9	050	Popoola, A.D., Adedeji, T.A., Hammed, O.O., Olabode, B.T., Oyelami, D.A., Adegbola, O.A., Ifanegan, O.D., Fasasi, A.O.	Department of Animal Production and Health, Ladoke Akintola University of Technology, Ogbomoso, Oyo State.	Repeatability Estimate of Growth and Reproductive Potentials of Pure and Crossbred Rabbits in Derived Savanna Zone	29-32
10	057	Obasi, E. N., Oboyo, M. A., Isu, I. E. and Akinsola, K. L	Department of Animal Breeding and Physiology, Michael Okpara University of Agriculture, Umudike, Abia State,	Effect of Strain on Body Weight and Morphometric Traits of Three Meat-type Chickens at Starter and Finisher Phases in the Humid Tropics	33-36
11	059	Ikeh, N. E, Anizoba, N.W, Ugwu, O.G, Fekurumoh, S.O, Amaefule, B.CMachebe, N.Sand Foleng, H.M	Department of Animal Science, University of Nigeria, Nsukka	Mitochondrial analysis of non-descript and hyla rabbits reared in Nsukka	37-40
12	062	Isa, I.T., Suleiman, I.O., Obishakin, E.T., Bala, A.G., ThankGod, D.G., Olaolu, O.S., Jagab H.S and Audu Y.A	Department of Livestock services, Ministry of Agriculture, Jalingo, Nigeria	Evaluation of Genetic Similarity and Distance among Indigenous Breeds of Goats in Kano State, Nigeria	41-43
13	063	Nwaodu O.B, Uche-Nwachi, M, Chikwendu, M.E andChidinso P.M	Department of Animal Health and Production Technology, Akanulbiam Federal Polytechnic, Unwana Ebonyi State.	Comparison of individual body weight in Ross 308 and Abor acre broiler using growth curve model	44-46
14	064	Nwaodu O.B, Uche-Nwachi, M,Chidinso P.M and Chikwendu, M.E	Department of Animal Health and Production Technology, Akanulbiam Federal Polytechnic, Unwana Ebonyi State	Phenotypic characterization of indigenous sheep in Afikpo, Ebonyi state Nigeria	47-49
15	077	Udeh, F.U., Ndofor-Foleng, H.M., Nwosu, C.C. and Onodugo, M.O.	Department of Animal Science, University of Nigeria, Nsukka.	Assessment of the body weights and heritability estimates of the Nigerian Heavy Local Chicken Ecotype reared in Nsukka	50-53
16	096	Kaboshio, Y. Y., Emmanuel, J., Yayi, J., Aliyu, Z. I., and Gandi, B. R.	Department of Animal science, Kaduna State University, Kaduna state.	Microbiomes in some livestock (cattle, goats, pigs and poultry)	54-58
17	103	Abiola-Olagunju .O, Ajibola W.O, Adediran, K.O, Shosanya A.A, Mako A.A. and Ogunwole, O.A.	Department of Biological Sciences, Lead City University, Ibadan, Oyo State	Proximate profiling, nutritive components and degradation of sweetcorn leaves (fl sugar king) by edible fungi	59-62

25