

- Sahlu, T., Goetsch, A. L., Luo, J., Nashlai, I. V., Moore, J. E., Galyean, M. L., Owen, F. N., Ferrell, C. L. and Johnson, Z. B. (2004). Nutrient requirement of goats: Developed equation, other considerations and future research to improve them *Small Ruminant Research* 53:191-219
- Sani, A., Awe, F. A. and Akinyanju, J. A. (1992). Amylase synthesis in *Aspergillus niger* grown on cassava peel. *Journal of Industrial Microbiology*, 10: 55 - 59
- Sa-Pereira, P., Paveia, H., Costa-Ferreira, M. and Aires-Barros, M. R. (2003). A new look at xylanases: An overview of purification strategies. *Molecular Biotechnology* 24: 257- 281.
- SAS (1998). Statistical Analysis system institute Inc. North Carolina, USA.
- Tona, G.O., Adewumi, O.O. & Olaniyi, E.O. (2015). "Milk yield (offtake), composition, dam and kid weight changes of West African Dwarf goats fed dietary levels of palm kernel cake", *IOSR J. Agric. Vet. Sci. (IOSR-JAVS)* 8 (12), 29 - 34.
- Tona, G. O., Adewumi, O. O. and Shittu, T. S. (2017). Milk Yield (Offtake), Composition and Microbiological Quality in West African Dwarf Goats Fed Concentrate Diets with Varying Levels of *Moringa oleifera* Leafmeal and Seedmeal
- Ukanwoko, A. I. and Ibeawuchi, J. A. (2014). Evaluation of Cassava Peel - Cassava Leaf Meal Based Diets for Milk Production by the West African Dwarf Goats in South Eastern Nigeria. *IOSR Journal of Agriculture and Veterinary Science (IOSR-JAVS)* e-ISSN: 2319-2380, p-ISSN: 2319-2372. Volume 7, Issue 5 Ver. 1 (May. 2014), PP 27-30
www.iosrjournals.org
- Zahraddeen, D., Butswat, I.S.R. and Mbap, S.T. (2007). "Evaluation of some factors affecting milk composition of indigenous goats in Nigeria", *Livest. Res. Rural Dev.* 19 (11).

ILORIN 2018

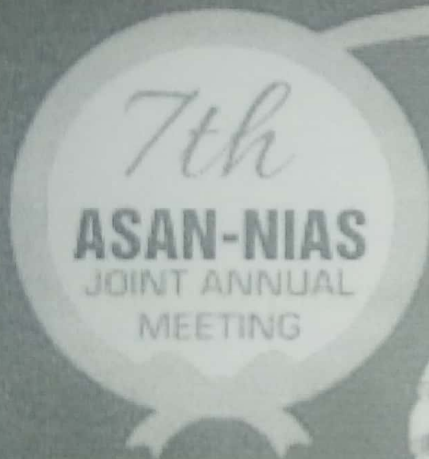


ANIMAL SCIENCE ASSOCIATION OF NIGERIA

&



NIGERIAN INSTITUTE OF ANIMAL SCIENCE



THEME: DEVELOPMENT OF A RESILIENT LIVESTOCK INDUSTRY FOR NATIONAL ECONOMIC GROWTH

Date: 9th - 13th of September, 2018 Time: 8.00am daily

Venue: M & M EVENTS CENTRE, beside St. Anthony's Secondary School, after State Secretariat, Offa Road, Ilorin, Kwara State.

BOOK OF PROCEEDINGS

**ANIMAL SCIENCE ASSOCIATION OF NIGERIA
(ASAN)**

**PROCEEDINGS OF THE 23RD ANNUAL
CONFERENCE**

Theme:

**Development of a Resilient Livestock industry for
National Economic Growth**

Edited by

**Atteh, J. O., Belewu, M. A., Fayeye, T. R., Okukpe, K.M,
Alli, O. I and Adeyemi, K.D.**

9th- 13th September, 2018 Ilorin.

Copy Right 2018: Animal Science Association of Nigeria

All right reserved No part of this publication may be reproduced, stored in retrieval system or transmitted in any form or by means, electronic, electrostatic, magnetic tape, mechanical, photocopy, recording or otherwise, without the permission in writing from the Animal Science Association of Nigeria (ASAN), or the Nigerian Institute of Animal Science (NIAS)

ISSN: 9783477722

Publication by

The Animal Science Association of Nigeria (ASAN)

Proc. 23rd Ann. Conf. Animal Science Association of Nigeria 9-13, 2018/Ilorin

Trustees and National Executive Council of the Animal Science Association of Nigeria (ASAN)

Board of Trustees

Alhaji Azeez Bello

Professor A. O. Osinowo

Professor I. I. Dafwang

Professor S. O. Alaku

	Dr. N. Lawan	1 st Vice President
4.	Dr. T.O. Ososanya	2 nd Vice President
5.	Dr. (Mrs.) Olumide Martha Dupe	General Secretary
6.	Prof. G.S. Bawa	Assistant General Secretary
7.	Dr. A.O. Ladokun	Editor-in-Chief
8.	Dr. S.M. Yashim	Deputy Editor-in-Chief
9.	Dr. A.O. Owosibo	Financial Secretary
10.	Mr. Isaac Loveday	Treasurer
11.	Mrs. M.O. Omotoso	Publicity Secretary
12.	Prof. F.A.S. Dario	Ex-Officio
13.	Mr. Julius Nyameh	Ex-Officio
14.	Dr. Haruna Duwa	Ex-Officio
15.	Dr. (Alh.) I.F. Ayanda	North East Coordinator
16.	Mallam Mohammed Lawal	North Central Coordinator
17.	Dr. T.K.O. Obi	North West Coordinator
18.	Prof. A.A. Odunsi	South East Coordinator
19.	Dr. (Mrs.) I.P. Solomon	South West Coordinator
		South South Coordinator

Members of the Local Organizing Committee of the 7th ASAN-NIAS Joint Annual Meeting, Ilorin 2018, 9th-13th September, 2018

Local Organizing Committee

Professor M. A. Belewu	Chairman
Professor D.F. Apata	Vice-Chairman
Mr. M.A Umar	2nd Vice-Chairman
Dr. F. E. Sola-Ojo	Secretary
Dr. O.I. Alli	Treasurer
Prof. Odunsi	Representative of ASAN
Dr. (Mrs.) Bisi Akinfolarin	Representative of NIAS

LOC Secretariat

Dr F.E Sola-Ojo	Chairperson
Dr. I.O.Opowoye	Secretariat Assistant/Secretary
Mr. Fatai Ismail Adewale	Member
Mr. Ibiwoye Demilade	Member
Mr K.P Ahmed	Member
Mr M. Yiosese	Member
Mr A. Olaoselu	Member
Mr Y. Mohammed	Member
Dr S. Olawoye	Member
Dr Y. Alabi	Member
Mr Ogundele	Member
Mr Adams	Member

Proc. 23rd Ann. Conf. Animal Science Association of Nigeria 9-13, 2018/Ilorin

Members of Sub-committee of the 7th ASAN-NIAS Joint Annual Meeting, Ilorin 2018, 9th-13th September, 2018

Technical

Prof. J.O. Atteh	Chairperson
Dr. T.R. Fayeye	Secretary
Prof Oyawoye	Member
Prof. A.A Adelaye	Member
Prof. D.F. Apata	Member
Prof. M.A. Belewu	Member
Dr A.A. Annongu	Member
Dr. Mrs. Alabi	Member
Dr. Ogunbosoye	Member
Dr. A.T. Yusuf	Member
Mr Akanbi	Member
Dr Adeyina	Member
Dr. A. Toye	Member

Dr. K. Adeyemi Member

Venue, ICT & Publicity

Prof. S.A. Bola Chairperson
Dr. Ogunisola Fisayo Member
Mr. Salako Member
Dr. K. D Adeyemi Member
Mr. Y. Mohammed Member
Mrs Raji Majidato Member
Miss Moyo Ibeun Member
Dr. M. Adesina Member
Mr. G. Oluwatosin Member
Mr. S. Abdul Member

Socials & Excursion

Dr. A.A. Badmos Chairperson
Mrs. Obayemi Member
Dr. Yahaya Member
Mr. Oyebanji, S.S. Member
Mr. S. Ajide Member
Mr. G. Oluwatosin Member
Dr. O. Ojo Member

Fund Raising & Exhibition

Mr. S. Opowoye Chairperson
Dr. O.I. Alli Member
Dr. I.O. Opowoye Member
Dr. T.A. Aderibigbe Member
Dr. Alabi Member
Mr. O.I. Jimoh Member
Alh. Yusuf Member
Mr. Lawale Member
Mr. Gawatti Member
Kenny Success Member
Mr. B. Akorede Member
Mr. Jimoh Aremu Member
Dr. Adeyemo A.A. Member
Dr. Ogunleye Member

Accommodation, Welfare and Logistics

Alh. Dr. U.F. Ayanda Chairperson
Dr. Sola-Ojo, F.E. Member
Dr. T.A. Aderibigbe Member
Dr. Alli Member
Dr. Chumazie Member
Mrs. M. Lawal Member
Dr. A.T. Yusuf Member
Oyielike Mabo Member

193	ASAN-NIAS-JAM-RN016	Carcass characteristic of west african dwarf bucks fed sole foliage of <i>Alchornea cordifolia</i> , <i>Asptlia africana</i> <i>Andropogon tectorum</i> .	Eyoh, G. D., Udo, M.D., Idiong, N. B.	Department of Animal Science, Akwa Uyo, Akwa Ibom State
194	ASAN-NIAS-JAM-RN017	Nutrients intake and utilization by west african dwarf goats fed <i>Azadirachta indica</i> (neem) leaf meal diets.	Fajemisin, A. N., Ojewande, B.A., Omotoso, O. B., Libhaze, G. A., Osho, I. B.,	Department of Animal Production and Health, Federal University of Technology, P.M.B 704, Akure, Nigeria.
195	ASAN-NIAS-JAM-RN018	In vitro gas volume production of compounded diet containing graded levels of <i>Aspergillus niger</i> biode graded corn cob	Adedeji, O. Y., Saka, A. A., Ajayi, F. T., Falola, O. O., Oladele-Bukola, M.O.,	Federal College of Animal Health and Production Technology, P. M. B. 5029, Moor Plantation, Ibadan.
196	ASAN-NIAS-JAM-RN019	Effects of phosphorus fertilizer rates on dry matter yield of three lablab varieties	Girgiri, A. Y., Abubakar, M., Kalla, D. J. U., Dass, U. D., Sokoto, M. B.	Department of Animal Science, University of Maiduguri, P. M. B. 1069, Borno State Nigeria
197	ASAN-NIAS-JAM-RN020	Optimization of chloroform quantity for methane inhibition in in vitro gas production experiments	Lawal M., Newbold C. J. N.,	Institute of Biological, Environmental and Rural Sciences, Aberystwyth University
198	ASAN-NIAS-JAM-RN021	The performance of West African dwarf (wad) goats fed graded levels of <i>Rhizopus oligosporus</i> -treated rice husk (rough)	Belewu, M. A., Ogunbajo, S. A.,	Department of Animal Production, University of Ilorin, Ilorin, Nigeria.
199	ASAN-NIAS-JAM-RN022	Nutrient intake and apparent digestibility of pigeon pea (<i>Cajanus cajan</i>) husk fed to red Sokoto bucks	Yashim, S.M., Achi, N.P., Ali-Balogun, J.K., Ibrahim, A.T.	Department of Animal Science, Ahmadu Bello University, Zaria
200	ASAN-NIAS-JAM-RN023	Intake of fibre by Yankasa rams fed sugarcane waste (SCW) silage	Ashiru, R. M., Ibrahim, U., Dan Abba, U. Y., Ibrahim, J.	Department of Animal Science, Kano University of Science and Technology, Wudil, Nigeria Department of Animal Science, Usmanu Dan Fodio University, Sokoto, Nigeria