

Personal Data

Name: Salih Ahmed Babiker (Abu Salih)
Education : B.V.Sc., Khartoum University Sudan– 1973
M.Sc., Nottingham University, UK, 1978
PhD. Nottingham University, UK, 1981
Title: Professor, Khartoum University, 1991

Specialization: Animal Production (Meat Science and Production)

Address: Faculty of Animal Production, Khartoum University,
Khartoum North, Sudan.
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Present occupation: Professor of meat science and production.

Books

Babiker, S.A (2005) .Meat Production .Open University Press. Sudan.
Text Books for Secondary Schools :
Agriculture and Animal Production . Bakhet Elruda(2001) :

* First Year Text Book

* Second Year Text Book

* Third Year Text Book

- Integrated broiler farm capacity 1.000.000 birds annually which is now in operation.
- Slaughter house for broilers capacity 32,000 bird/day which is operating since 1988.
- Meat processing plant capacity 5 tons per day.
- Quality control laboratory for meat and meat products.
- Sheep breeding unit capacity 5,000 ewes which is operating since 1987.
- Small slaughter hall for sheep with overhead rails, 50 heads/day.

Bulletins

Babiker, S.A (2006). Sheep of Sudan Bulletins No.1 .U.of.K.

Babiker, S.A (2006). Goats of Sudan Bulletins No.2 .U.of.K.

Babiker, S.A (2006). Cattle of Sudan Bulletins No.3 .U.of.K.

Babiker, S.A (2006). Camels of Sudan Bulletins No.4 .U.of.K.

Scientific report :

Investigation of the causes of the presence of rumen foreign bodies in Hamary sheep

Scientific activities

started in 1975 to date and include :

Study of production potential of Sudanese cattle , goats, sheep and camels

Utilization of agro-industrial by- products for cattle and sheep feeding

Supplementary nutrition of sheep to increase lamb crop

Evaluation and improvement of goat meat production potential

Study of camel meat characteristics

Study of the effect of internal parasites and level of nutrition on sheep performance

These activities culminated into :

1- 75 published papers

2- 35 MSc degrees

3- 15 PhD degrees

Author of a text book titled : Beef Production publisher Open University Press

Acted as an assessor to research for promotion to status of associate professor : university of Nelein ,Kassla ,Peace , Elfasher and Science and Technology

External examiner :Bsc ,Msc and PhD degrees Kasala ,Sudan and Nelein universities

Editorial board member :Sudan Journal of Animal Production

UofK Journal of Veterinary Medicine and Animal Production

Reviewer : Local scientific Journals

Meat Science Journal U.K.

Participated in curriculum development University of Gezira

Participated in development of Faculty of Veterinary Science University of West Kordofan

Head of committee for development of Faculty of Veterinary Medicine University of Peace

Participated in development of Faculty of Veterinary Medicine University of Gadrif

Member: Agriculture and Veterinary Medicine Committee Ministry of Higher Education

Prize winner ; Association for the Promotion of Scientific Innovation 2011

Current research activities:

1. Meat production and quality from Zebu cattle-Sudan
2. Use of Agro-industrial by-products in diets for fattening cattle.
3. Camel research studies in Sudan
4. Research in small ruminants of the Sudan
5. Improvement of desert sheep production through dry season supplementary feeding
6. Study of the effect of endo- parasite and level of nutrition on sheep fattening

Community services

Member and Chairman and Member : Meat and Meat Products , Slaughter Houses and Meat plants Committee Sudanese Standard and Metrology Organization

Participate in curriculum development and writing of course contents of Agriculture and Animal Production for Secondary Schools Sudan

Member of Genetic Resources Committee Sudan

Technical member : Goat Improvement Scheme Sudan

Member of Farmer Trade Union Select Agricultural Scheme

Abroad Activities

Contributions outside Sudan; Saudi Arabia Hail Agricultural Company

Administrative Responsibilities

Head Department of Animal Husbandry. Institute of Animal Production University of Khartoum Sudan 1985-198 Director, Institute of Animal production , Khartoum University, Sudan, 1986-1990.

Dean, Faculty of Animal Production, Khartoum University, Sudan 1992-1995

Director, Institute for Promotion of Animal Exports, Khartoum University 2003-2007.

Scientific Publications

3. Idris, O.F; Tartour, G. and Babiker, S.A. (1976). Blood mineral status and hematological values in sheep in the Gezira province of the Sudan. *Trop. Anim. Health and Prod.*, 8:3.
4. Babiker, S.A. Khalifa, H.A and El Hag, (1979) the nutritive value of groundnut hulls. *Sud. J.of Vet. Sci. Anim. Husb.* 20, 43—49 .
5. Babiker , S.A , : Glover, P. and lawrie , R.A. (1982) . Improved methodology for the Electrophoretic determination of horse meat in heated food stuffs. *Meat Sci.*, 5:373
6. Babiker , S.A.(1983) . A note on the effect of hot deboning of beef muscles on their chemical and qualitative properties . *World Rev Anim . Prod .*, 14(3): 62
7. Babiker , S.A.(1983). Hot – deboning a modern processing mechanism for hot countries . *Sudan J . vet . Sci . Anim . Husb.* 24:109-115.
8. Babiker , S.A . and Lawrie, R.A. (1983). Post –mortem electrical stimulation and high temperature ageing of hot deboned beef . *MEAT Sci.*, 1-20.
9. Babiker , S.A and Nasir , M.E.(1983) Utilization of cockerels from egg laying strains for meat production . *Sudan J . Vet Sci. Amin .Husb .*, 24:82-87.
10. Lewis, P.K. and Babiker, S.A. (1983). Effect of electrical stimulation and cooking temperature on the within sample variation of cooking loss and shear force of lamb. *Meat Sci.*, 8: 137-32 1.
11. Babiker , S.A.. (1985) . Effect of electrical stimulation , high temperature condition and ageing on muscle myofibrillar proteins . *Meat Sci.*, 14:83 .
12. Babiker, S.A.; Maglad, M. and Kududa, A. (1985). Effect of castration on performance and carcass characteristics of male Sudan desert goats. *World Rev. Anim. Prod.*, 21:11.
13. Babiker, S.A. (1985). Fish silage production in the Arab countries (in Arabic). *Journal of Agric. Development*, 2:26.
14. Babiker, S.A. and Bello, A. (1986). Hot cutting of goat carcass following early post – mortem high temperature ageing. *Meat Sci.*, 18:111- 120
15. Mohammedain, G. M.; Babiker, S.A. and Mohamed, T. A. (1986). Effect of feeding millet, maize and sorghum grains on performance, carcass yield and chemical composition of broiler meat. *Trop. Agric.*, 63: 173- 176.
16. Babiker, S.A. and Tibin, I.M. (1986). Comparative study of camel meat and beef. *Camel Research papers from Sudan, ILCA*, PP.73- 77.
17. Tibin, I.M. And Babiker, S.A. (1986). Sensory, Physical and Chemical Aspects of Emulsion – Type Beef and Camel Susage . *International Livestock Center For Africa Ethiopia*
18. Babiker, S.A. and Yousif, O.kh. (1987). Carcass yield and characteristics of mature male camels of the Sudan. *Annual Report, Camel Research project, National Council for Research, Sudan.*
19. Babiker, S.A., Abdel Hamid, A. and Silverside, D.E. (1988). Slaughter characteristics of the export Sudan Desert sheep. *Sudan J. Vet. Sci. Anim. Jusb.*, 27 (1):46 -53.
20. Babiker, S.A. and Mohamed, A.S. (1988). A note on carcass characteristics of Reed Buck (*Redunca redunce*). *Sudan J. Vet Sci. Anim Husb.*, 1(2): 113 – 120.
21. Bello, A. and Babiker, S.A. (1988). Growth and carcass characteristics of desert goat kids and their temperate cross. *Anim. Prod.*, 46:23 1-235.
22. Siddig, A. and Babiker, S.A. (1988) Effect of slaughter weight on performance and carcass characteristics of cockerels. *Sudan J. Anim. Prod.*, 1 (1):60.

23. Tibin, I.M. And Babiker, S.A. (1989). Organoleptic ,Chemical and physical Properties of Camel Sausage and Beef . Int. Sympo. On . Devel . Of Anim. Res. In The Sudan – Khartoum Sudan.
24. Babiker, S.A. (1989) Sheep and goat meat production in the Sudan. Proc. of the Int. Symp. On the Develop, of Animal Resources of the Sudan, pp 273 – 382, Khartoum.
25. Babiker, S.A. and Tibin, I.M. (1989). A note on desert camel meat production and characteristics . Proc. of the Int. symp. on the Develop. of Anim .Resources of the Sudan, pp. 116 – 120, Khartoum
26. Yousif, O.k. and Babiker, S.A. (1989). The desert camel as a meat animal. Meat Sci., 26(4): 245- 254.
27. Babiker, S.A. and Yousif, O. Kh. (1990). Chemical composition and quality of camel meat, Meat Sci., 27(4): 283 -287.
28. Babiker , S.A. and Mohammed, S. (1990) Live animal measurements and carcass characteristics of Sudan desert sheep and Australian Merino sheep. Sudan J. Anim. Prod., 3(1) : 9 -15
29. . Tibin, I. M.; Abdel Mageed, O. A.. and Babiker, S.A. (1990). Dairy husbandry practices at kuku Dairy project. I. Herd size, herd structure, breed type, feeding practices, milk yield and composition. Sudan J. Vet. Sci. Anim. Husb 29:11 – 19.
30. Tibin, I. M.: Abdel Mageed, O. A. and Babiker ,S.A. (1990) Dairy husbandry practices at kuku Dairy project. II . Lactation effect, body weight and linear body measurements. Sudan J. Vet. Sci Anim. Husb, 29:21-30.
31. . Babiker, S. A. , El khidir, I. A., and Shafie, S.A. (1990). Chemical Composition and Quality Attributes of Goat Meat and Lamb . Meat Sci . 28 ,273 – 277
32. Babiker, S.A., Musa, H. M. and Muawia, H. (1991). Cassava root meal as an alternative source of energy to grain in broiler feeding. Sudan J. Anim. Prod., 4 (1):1 1-22.
33. Babiker, S.A. and Sammani, S.E. and Isamil, E.B. (1991) Incubator reject eggs as a protein supplement in the diets of broilers. Sudan J. Anim prod., 4 (2): 83-93.
34. Babiker ,S ,A and Yousif ,O.KH. (1991) Sudanese carcass production and characteristics . Carcass Classification Workshop . The Regional Training Center for Meat Inspection , Hygiene and Grading . Elkadro Sudan .
35. Babiker, S.A. (1995). Beef production in Sudan. Agric. Insurance Workshop in Sudan. Khartoum.
36. Ali,M.El- tahir Babiker, S.A. and Tibin, I.M. (1996). Body Characteristics ,Yield Indices and Proximate Composition of Commercial Fish Species of Lake Nubia. Proc.Six.FAO. Expert Consult On Fish Technol. In Africa .Kisumu,Kenya.
37. Yousif, A.G., Babiker, S.A. and El khidir, O. A. (1997). Some financial aspects of finishing northern Sudan Zebu. U.K.J Agric. Sci. 5 (2), 129-146.
38. Babiker S.A. (1998) Summary of important findings of the Census of Agriculture 19971 – 1998. Khartoum state Sudan central Bureau of statistics,Sudan.
39. El khidir, I. A.; Babiker, S. A. and Shafie, S.A. (1998). Comparative Feedlot Performance and Carcass Characteristics Of desert goats and sheep. Small Ruminant Res. 30(147-151).
40. El – Moula ,I. H.A., and Babiker S.A., El Khidir, O. A. and Elfadil, S. (1999) Meat production from female goat Kids compared with males. J. Agri. Sci. (Cambridge) (133). 223- 226.

41. Ibrahim, S .Babiker and El khidir O A (1999).Meat Chemical Composition and Quality Attributes of Desert Goat .Meat SCIENCE
42. El Tahir,I.E,Babiker , S.A. and El Khidir, O. A. (2000). Feedlot performance and carcass characteristics of Western Baggara and Friesian crossbred bulls slaughtered at 300 kg live weight. Sud. J. Anim. Prod. (13) 11 – 17.
43. El Tahir, I.E.; Babiker, S.A. and El Khidir, O.A. (2000). Feedlot performance and carcass characteristics of Western Baggara and Friesian crossbred bulls slaughtered at 400 kg live weight. Sud. J. Anim. Prod. (13) 11 – 17.
44. Babiker, S.A. (2003). Export of Female livestock . Work shop. Quarantine Administration. Ministry of Animal resources, Khartoum. Sudan.
45. El Tahir, I.E.; Babiker, S.A. and El Khidir, O.A. (2004). Characteristics of Beef from Baggara Zebu cattle Slaughtered at 400kg Live weight .Sud .J . of Anim.Prod .17.61-66.
46. Rihab .A.Hassan , Ibtisam ,E.A.Elzubair and Babiker .S.A(2006) Microbiology of Camel Fermented Milk (Garis) in Sudan .Research Journal of Microbiology (U.S.A).1(2) 160-156
47. . Neama, A. I. and Babiker, S.A (2007) Quality of Traditionally Produced Dehydrated Meat . J. of Scientific Research of Science and Arts . Zalengi University .
48. Suliman ,G. M. and Babiker S .A (2007) Effect of diet protein source on lamb fattening . Research J. of Agriculture and Biological Science.3, (5) 403—408 .
49. Rihab,A.Hassan,Ibtisam,E.A.Elzubair and Babiker .S.A.(2007).Effect of Pasteurization of raw Camel Milk and Storage temperature on the Chemical composition of fermented Camel Milk. International Journal of Dairy Science .2(2)160-171.
50. Mahala ,S.J., Babiker ,S.A. and Gutbi N.E.(2007). Improvement of the digestibility of sugar cane Bagasse by fermentation with chicken manure .Research Journal of Agricultural Sciences ,3(2):1.5-118
51. Yagoub ,M,Y and Babiker , S.A.(2008) .Effect of dietary energy level on growth and carcass characteristics of female goats in Sudan. Livestock Research for Rural Development .20(12),1-7
52. Rihab,A.Hassan ,Ibtisam ,E.M.Elzubair and Babiker ,S.A.(2008) Chemical and Microbiological Measurements of fermented Camel Milk (Garis) from Transhumance and Nomadic herds in Sudan Australian Journal of Basic and Applied Sciences 2(1) 800-804.
53. El Abid., K.,Babiker , S.A and. Abunikhaila ,A.M.(2008).Growth rates of Sudan Nubian goat kids under small holder system . Int.J.Dairy Science.3(4),170-178
54. Haseeb ,A.Bukhary .and Babiker ,S.A.(2008). Production characteristics of Tagger goats .West Kordofan Journal of Science and Humanities ,1(2),35-43
55. Yagoub,M.Y.and Babiker,S.A.(2008) Effect of compensatory growth on the performance and carcass characteristics of the broiler chicks .Pakistan Journal of Nutrition .7(3) 497—499 .
56. Mohammed, A. M. Babiker, S.A.and ElKhidir(2008) Effect of body Weight on Feedlot Performance and Carcass Characteristics of Bagara Bulls.Sud.J.Stands.Metrol.,Vol.2(1 – 2). 40 – 48.
57. Basher,A.A and Babiker S.A .(2009). Digestibility of Sudanese Desert Lambs fed Diets of Different proportions of Water Melon (*Citrullus lanatus*) Seed cake .Journal of Applied Science Research ,1—5.
58. Abdelhadi ,O.M.A. and Babiker ,S.A(2009) Prediction of zebu bull live weight Using live animal measurements. livestock Research for rural Development 21(8) .

59. Abdelhadi ,O.M.A. and Babiker .,S.A., Bauchart ,D. Picard, B.,Jurie, C.Faye, B and HOcquette, J.F.(2009) Effect of Season on Muscle Characteristics of Camel Calves. Cirad –France.
60. eshir ,A.A., Yagoub ,M.Y.and Babiker, S.A (2009). Performance of Sudanese desert lambs fed graded levels of water melon seed cake instead of groundnut cake . Pakistan Journal of Nutrition 8(5) 525-529.
61. Beshir ,A.A.,and Babiker, S.A (2009).Performance Of Sudanese Desert Lambs fed Graded Levels of Roselle (Hibiscus Sabdariffa)Seeds Instead of Groundnut Cake.Pak.J.of Nut. 8 (9) 140 -145.
62. Suliman,G.M.and Babiker,S.A.(2009).Growth Performance of Sudan Baggara Bulls Fed Diets Containing Hibscus (karkade) Seeds As a non Conventional Protein Source . Livestock Research For Rural Development . 21, (6) ,1—10 .
63. Anas ,S.A.B, Yaguoub .M.Y , Babiker, S.A. and Idris.A.A. (2009). Effect of Dehulling Sorghum Grains on Broiler Performance and Carcass Characteristics . Int. J. of Poultry Science 2(1)1-3
64. Yagoub ,M,Y and Babiker , S.A.(2009).Effect of compensatory growth on performance of Sudanese female goats. Pakistan J. of Nutrition 8(1)1-4.
65. Yagoub ,M,Y and Babiker, S.A.(2009).Effect of compensatory growth on carcass characteristics ,measurements and non -carcass components of Sudanese female goats . Pakistan J.of Nutrition 8(1),1—5.
66. Beshir ,A.A.,and Babiker, S.A (2009). The Effect of Feeding Diet With Graded Levels of Roselle(Hibiscus Sabdariffa)Seed on Carcass Characteristics and Meat Quality of Sudan Desert Lamb.Res.J.of Anim.and Vet.Sci.(4) 35-44.
67. Sohair ,R and Babiker (2010). Effect of Feedlot Regimen on Performance and Carcass characteristics of Sudan Bagara Bulls . Livestock Research for Rural Development .22(2).1—8.
68. Abdelhadi,O.M.,Babiker,S.A. and Faye ,B.(2010) Some Husbandry practices of El-kababish Camel Herders in Sudan. Camel Practice and Research 18(1),1_8
69. Alseddig, M.A. , Babiker,S.A. , Galal,M.Y. and Mohammed, A.M.(2010). Phenotypic characterization of Sudan Zebu cattle (Baggara Type) .Research Journal of animal and veterinary Science (5). 10—17.
70. Alsiddig, M.A. ,M.Y., Gala, Babiler S.A. and Mohammed,M.F.(2010). Genetic characterization of Sudanese Baggara cattle using PCR-RFLP technique .Research Journal of Animal and Veterinary Sciences 5:48-52.
71. Amir,H.M., Babiker,S.A.,Yosif,G.M. and Hassan ,Y.A.(2010). Phenotypic characterization of Sudanese Kenana cattle . Research Journal of Animal and Veterinary Sciences 5:43-47.
72. Abdehadi , O.M., Babiker ,S.A. and Kijora ,C. (2011). Estimation of Zebu cattle carcass weight using body measurements . Livestock Research for Rural Development.23(1).
73. Elbukhary, H.A.A. , Sharaf Eldin, I.M.A. , Babiker S.A. , Elkhidir ,O.A.and Idris A.O. (2013). Effect of Dietary Energy Level on Performance and Carcass Characteristcs of Sudan Baggara Heifers. TROPEN TAG GERMANY .
74. Abdehadi , O.M., Babiker ,S.A. , Hoquette J.F, Picard ,B. , ,Durand ,D., and Faye ,. (2013). Effect of ageing on meat Quality of the one humped Camel (Camelus dromdarius) Emirates Journal of Food and Agriculture ,25(2):150-158

75. Abdehadi , O.M., Babiker ,S.A. , Picard ,B. ,Jurie,C.,Jailler,R. , Hoquette J.F., and Faye ,. (2012). Effect of Season on contractile and metabolic properties of desert Camel Muscle (Camelus dromedaries) .Meat Science,90: 139 _ 144 .
76. .Sharaf Eldin,I.M.A,Babiker ,S.A.,Elkhidir,O.A.&Elbukhary,H.A.A (2010),Feedlot Performance and Carcass Characteristics Of Sudan Western Baggara Bulls And Heifers. University of Nyala Journal For Applied Sciences.
77. Mohammed ,H.A ,Babiker ,S.A, Fadel Elseed, A.M.A & Mohammed ,A.M(2013). Effect of Urea –treatment on nutritive value of sugar cane Bagasse. APRN Journal of Science and Technology.3 , 839—843