

References

- Abda and Mohammed** (2011). Measuring of competitiveness of Sudanese sheep export. *American J. of Experimental Agriculture* **1(3)**: 69-78.
- Abdalla, A.** (1966). Incidence of animal brucellosis in Wadi Halfa district. *Sudan J. Vet. Sci. Anim. Husb.*, **7**: 28-31.
- Ahmed, H. A. T.** (2011). Epidemiology and bacteriology of brucellosis in livestock in the Blue Nile State. *M.Sc Thesis*, Sudan Academy of Sciences.
- Ahmed, H. M.** (2004). Studies on animal brucellosis in the Red Sea state. *M.Sc. thesis*, University of Khartoum, Sudan.
- Akbarmehr, J. and Ghiyamirad, M.** (2011). Serological survey of brucellosis in livestock animals in Sarab City (East Azarbayjan province) Iran. *Afr. J. Microbiol. Res.*, **5(10)**: 1220-1223.
- Ali, A. A. I.** (2007). Prevalence of brucellosis in Kuku diary, Khartoum State, and the susceptibility of the isolate to some chemotherapeutic agents *M. Sc. Thesis*, Faculty of Pharmacy, University of Khartoum, Sudan.
- Alsharif, F. M.** (1994). Prevalence of brucellosis among slaughterhouse workers and milkers. *M.Sc. Thesis*, faculty of Medicine, University of Khartoum.

- Anon** (2011). Annual report of Ministry of Animal Resource and Fishers.
- Bang, B.** (1897). The aetiology of epizootic abortion. *J. Comp. Path. Therap.*, **10**: 125-150.
- Bennett, S.G.J.** (1943). Annual Report of the Sudan Veterinary Service. 29-30.
- Blasco, J. M.; Garin-Bastuji, B.; Marin, C. M.; Gerbier, G.; Fanlo, J.; Jimenez D.; Bagues, M. P.; Cau, C.** (1994). Efficacy of different Rose Bengal and Complement Fixation antigens for the diagnosis of *Brucella melitensis* infection in sheep and goats. *Vet. Rec.*, **134** (16): 415-420
- Bricker B. J. and Halling S. M.** (1994) Differentiation of *Brucella abortus* (biovars 1, 2 and 4), *Brucella melitensis*, *Brucella ovis*. And *Brucella suis* (biovar n1) by the polymerase chain reaction. *J. Clin.Microbial.* **32**:2660-2666.
- Bricker BJ,** (2002). PCR as diagnostic tool for brucellosis. *Vet. Microbiol.* **90** (1-4): 435-446.
- Buthina, A. I. A.** (2009). Serological, bacteriological and epidemiological studies of brucellosis in different flocks of sheep and goats in the South Darfour State. *M.Sc. Thesis*, Sudan Academy of science.
- Corbel M.J., Stuart F.A., Brewer R.A., Jeffrey M. & Bradley R.** (1989). Arthropathy associated with *Brucella abortus* Strain 19 vaccination in cattle.1.Examination of field cases. *Br. Vet. J.*,**145**,337.

- Corbel, M. J.** (2006). *Brucellosis in humans and animals*. World Health Organization in collaboration with the Food and Agriculture Organization of the United Nations and World Organisation for Animal Health, WHO/CDS/EPR/2006.7. 20 Avenue Appia, 1211 Geneva 27, Switzerland.89P.
- Dafalla, E. N.** (1962). Incidence of animal and human brucellosis in the Sudan. *Sudan J.Vet. Sci. Anim. Husb.*, **3**: 80-89.
- Department of Agriculture and food** (2008). A report in Ovine brucellosis. Department of Veterinary Hygiene, Environmental Pollution and Management, Faculty of Veterinary Medicine, Cairo University, Giza 11221, Egypt. Web site www.agric.wa.gov.auDATE
- Ehsan, O. M. O.** (2011). Prevalence of brucellosis in different animal species and man in Sennar State. *M.Sc. Thesis*, Sudan Academy of sciences.
- Elfaki MG, Uz-Zamam T, Al-Hokail AA, Nakeeb SM.**(2008).Detection of *brucella* DNA in sera from patients with brucellosis by chain reaction.*Diag.Microbiol. Infect. Dis.* **53(1)**: 1-7.
- Erwa, H. H.** (1966). Isolation of brucella abortus in the Sudan. *J. Trop. Med.Hyg.*,68:201.
- European Commission,** (2001). Brucellosis in sheep and goats. Health & Consumer Protection Directorate-General Sanco.C.2/AH/R23.
- FAO.** (2003). Human and animal brucellosis surveillance, Animal Production and Health Division. Rome. Italy.

- FAO.** (2009). *Brucella melitensis* in Eurasia and the Middle East, technical meeting in collaboration with WHO and OIE, Rome, May.
- Ferede, Y.; Mengesha, D.; Mekonen, G.; Melekot, M. H.** (2011). Study on the seroprevalence of small ruminant Brucellosis in and around Bahir Dar, North West Ethiopia. *Ethiopia. Vet. J.*, 15 (2), 35-44.
- Gul, S. T. and Khan, A.** (2007). Epidemiology and Epizootology of Brucellosis: A review. *Pak. Vet. J.*, 27(3): 145-151.
- Gwida, M.; Al Dahouk, S.; Melzer, F.; Rösler, U.; Neubauer, H. Tomaso, H.** (2010). Brucellosis – Regionally Emerging Zoonotic Disease. *Croat Med J.*, 51: 289-95
- Gwida, M.; E.Gohary, A. H.; Melzar, F.; Tomaso, H.; Rosler, U.; Wernery, U.; Wernery, R.; Celschner, M.; Khan, I.; Eikhdff, M.; Schoner, D.; and Neubauer, H.** (2011). *BMC Res. Notes.*, 4:525. Rev.
- Haracic, S. S.; Salman, M.; Fejzic, N.; McCluskey, B. J.; Keefe, T. J.** (2005). Flock level risk factors for ovine brucellosis in several cantons of Bosnia and Herzegovina. *Vet. Med.*, 37: 185-195.
- Hasseb, M. A.** (1950). Undulant fever in the sudan. *Sud. J. Trop. Med.*, 53 : 241.
- Henk L. S. and Sally J. C.** (2004). Contributions of biotechnology to the control and prevention of brucellosis in Africa, *Afri. J. of Biotechnology*, 3 (12), pp. 631-636.

- Lopes, L. B.; Nicolino, L. B. R.; and Haddad, J. P. A. (2010).**
 Brucellosis_ risk factors and prevalence: A Review. *The open veterinary sci. J.*, **4**: 72-84.
- Lousiana Office of Public Health (2008).** Brucellosis. Infectious disease. Epidemiology Section, Department of Health and Hospital <http://www.infectious disease.dhh.louisiana.gov>.
- Martin Wayne.s, Meek Alan. H, Willeberg Preben (1987).** Veterinary Epidemiology Principal and Methods. Iowa State University Press/Ames
- Megid, J.; Mathias, L. A.; Robles, C. A. (2010)** Clinical Manifestations of Brucellosis in Domestic Animals and Humans *The Open Veterinary Science J.* **4**, 119-126.
- Meyer, K. F. and Shaw, E. B. (1920).** A comparison of the morphologic cultural and biochemical characteristics of *Br. abortus* and *Br. melitensis*. *J. Infect. Dis.*, **27**, 173-184.
- Morgan, W. J. B; Mackinnon, D. J; Gill, K. P. W; Gower, S. G. M. and Norris, P. I. W. (1978).** *Brucellosis Diagnosis Standard Laboratory Techniques*. Ministry of Agriculture Fisher and Food, London.
- Musa, M. T. (1998).** Lymphadenitis in sheep and goats in the Sudan, *Revue Elev. Med. Pays Trop.* **51 (2)**: 109-111.
- Musa, M. T. (2005).** Ovine Brucellosis Traditional Farming Systems in Darfur States, Sudan. *The Sudan J. Vet. Res.*, **20**: 9-1.
- Musa, M. T.; ElSnousi, E. M.; Angra, T. E. E. and Ali, A. A. (2008).** The Proceedings of the first Scientific Conference. Brucellosis, a challenge to veterians in Africa: the situation of the

disease in the Sudan Animal resources research corporation
Khartoum Sudan, Pp 45_56.

Musa, M.T. (1995). Brucellosis in Darfur States. The Magnitude of the problem and methods of diagnosis and control. *Ph.D.Thesis*. University of Khartoum, Khartoum, Sudan.

Musa, N. O.; Ali, K. H.; Elawad, S. M.; Gameel, A. A. (2012) A report. Causes of Condemnations of Sheep Carcasses in Abattoirs at Khartoum. *Resilience of agricultural systems against crises*. Tropentag, in Göttingen, Germany.

Nielsen, K. and Gall, D. (2001). Fluorescence polarization assay for the diagnosis of brucellosis: a review. *J. Immunoassay*. 22, 183-201.

Nielsen, K; Lin, M.; Gall, M.; D; Jolley, M. (2000). Fluorescence polarization immunoassay: detection of antibody to *Brucella abortus*. *US National Library of Medicine*: 22, 71-76.

OIE (2004). Manual of Diagnostic Tests and Vaccines, for Terrestrial Animals., 5th Ed. PP 409-432.

OIE (2008). Bovine brucellosis. *Manual of Standards for Diagnostic Tests and Vaccines*, OIE. Paris, pp624-659.

OIE (2009). Caprine and Ovine Brucellosis. *Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, vol 1,6TH ed.*, rue de Prony, Paris, France.p10.

- OIE.** (2004a). Brucellosis. Institute for international cooperation in animal Biologics. Available on line <http://www.vet.iastate.edu/services/institutes/iicab/iicab.htm>
- OIE.** (2009a). Brucellosis. The Center for Food Security& Public Health. pp 13.
- Omer, E.; Habiballa, N. and Dafalla, E. A.** (1977). Studies on bovine and human brucellosis in the Sudan: the detection of *brucella* antibodies in sera of persons in contact with cattle in the Sudan. *Med. J. Trop. Hyg.*, **15**: 42-47.
- Omer, M. M. ; Abdelaziz, A. A.; Abusalab, S. M. A. and Ahmed, A. M.** (2007). Survey of brucellosis among sheep, goats, camels and cattle in Kassala, Eastern Sudan. *J. Anim. Vet. Ad.*, **6 (3)**: 635-637.
- Osman, M. M.** (2004). Lecture notes on brucellosis (unpublished data) "Malta fever in the Sudan" Training workshop on surveillance, diagnosis and control on brucellosis, Federal Ministry of Animal Recourse, Directorate of Animal Health and Epidemic control.
- Pappas, J. W; Bosilkovski, M; Akritidis, N. and Tsianos, E.** (2005). Brucellosis. *The New England J. Med.*, **352**: 2325-2336.
- Poester, F. P.; Nielsen, K.; Samartino, L. E.; Yu, W.L.** (2010). Diagnosis of Brucellosis *the Open Veterinary Science J.* **4**, 46-60.
- Queipo-Ortuño, M. ; Colmenero, J. D.; Muñoz, N.; Baeza, G.; Clavijo, E.; Morata, P.**(2006) Rapid diagnosis of *Brucella*

epididymo-orchitis by real-time polymerase chain reaction assay in urine samples *J. Urol.* **176(5)**:2290-3.

Radostits, O. M.; GAY, C. C.; Blood, D. C.; Hinchcliff, K. W. (2000) *Veterinary Medicine. A text book of the disease of cattle, sheep, pigs goats and horses*, 9th edition Pp867-881.

Rahman, M. S.; Faruk, M. O.; Her, M.; Kim, J. Y.; Kang, S. I.; Jung, S.C. (2011). Prevalence of brucellosis in ruminants in Bangladesh. *Vet. Med.*, **56 (8)**: 379–385.

Seleem, M. N.; Stephen M.; Sriranganathan, B. N. (2010). Brucellosis: A re-emerging zoonosis. *Vet. Microbiol.*, **140**: 392–398. *J.*

Sulieman, I. A. M. (2011). Epidemiology and Bacteriology of Brucellosis in sheep and goats in South Kordofan State- Sudan. *M.Sc. Thesis*, Sudan Academy of Sciences.

Susan W. Jones, Michael E. Dobson, Stephen C. Francesconi, Richard Sckoske, Robert Crawford (2005). DNA Assay for detection, identification and individualization of select agent microorganisms; *Croat. J.* **46 (4)**:522-529.

Sympson, R. J. (1908). Malta fever from the Blue Nile. *J. Roy. Arm.Med. Corp.*, 11: 593 (Cited in Symposium of Animal Brucelosis in Sudan, 1987).

Thavaselvam, D.; Kumar, A.; Tiwari, S.; Mishra, M. and Prakash, A. (2010). Cloning and expression of the immunoreactive *Brucella melitensis* 28 kDa outer-membrane protein (Omp28) encoding gene and evaluation of the potential of

Omp28 for clinical diagnosis of brucellosis. *J. Med. Microbiol.*, **59**: 421–428.

Tun, T. N. (2007). Prevalence Survey of Bovine Brucellosis (*Brucella abortus*) in Dairy Cattle in Yangon, Myanmar. *MVSc Thesis*, Faculty of Veterinary Medicine, Chiang Mai University and Freie Universität Berlin.

Whatmore, A. M. (2009). Current understanding of the genetic diversity of *Brucella*, an expanding genus of zoonotic pathogens, *Infection Genetics and Evolution* 1168 – 1184.

WHO. (1992). A Report of working group Meeting of Brucellosis control and Research Geneva.

Yagupsky, P. (1999) Detection of brucellosis in blood cultures. *J. Clin. Microbiol.* pp 3437-3442.

Yassir, A. S. M. (2011). Peste Des Petits Ruminants in sheep in the Sudan: A Study on Sero-Prevalence and Risk factors. *M.Sc. Thesis*, Sudan University of Science and Technology.

Zammit, T. (1905) a preliminary examination of the blood of goats suffering from the Mediterranean fever. *Reports of the commission on Mediterranean fever*. P. 83 London Harrison and Sons.