Faculty Staff Members Wildlife Related Publications (2006 – 2016)

Peer reviewed research articles: 2006 (Number = 18)

**Faculty Staff Members Wildlife Related Publications (2006 – 2016)**

**Peer reviewed research articles: 2007** (Number= 14)


- **Naidoo V, Duncan N, Bekker L, Swan G** (2007) Validating the domestic fowl as a model to investigate the pathophysiology of diclofenac in Gyps vultures. IN: Environmental toxicology and pharmacology, 24(3): 260-266


Faculty Staff Members Wildlife Related Publications (2006 – 2016)

Peer reviewed research articles: 2008 (Number = 26)

- **Penzhorn BL**, **Oosthuizen MC**, Bosman AM, Kilijian JW, **Horak IG** (2008) Black rhinoceros *Diceros bicornis* populations in northwestern Namibia are apparently not infected with piroplasms. IN: Journal of Wildlife Diseases, 44: 1032-1035


Peer reviewed research articles: 2009 (Number= 21)


• Naidoo V, Swan GE (2009) Diclofenac toxicity in *Gyps* vulture is associated with decreased uric acid excretion and not renal portal vasoconstriction. IN: Comparative Biochemistry and Physiology Part C: Toxicology & Pharmacology, 149(3): 269-274


• Zweygarth E, Benade J, Steyl JCA, Prozesky L, Koekemoer O, Josemans Al (2009) In vitro cultivation of a *Theileria* species from a roan antelope (*Hippotragus equinus*). IN: Parasitology Research, 105(6), 1755-1757
Faculty Staff Members Wildlife Related Publications (2006 – 2016)

Peer reviewed research articles: 2010 (Number = 22)

- Keet DF, **Michel AL**, Bengis RG, Becker P, van Dyk DS, **van Vuuren M**, Rutten VPMG, **Penzhonn BL** (2010) Intradermal tuberculin testing of wild African lions (*Panthera leo*) naturally exposed to infection with *Mycobacterium bovis*. IN: Veterinary Microbiology, 144, 384-391 (doi:10.1016/j.vetmic.2010.01.028)
samples. IN: Veterinary Parasitology, 167: 244-254 DOI: 10.1016/j.vetpar.2009.09.026

Faculty Staff Members Wildlife Related Publications (2006 – 2016)

Peer reviewed research articles: 2011 (Number= 22)

summer advances: a seasonal pattern, or a direct response to water, heat, or energy supply? IN: The Journal of Experimental Biology 214: 1813-1820

- **Michel AL, Cooper D, Jooste J, de Klerk LM, Jolles A** (2011) Approaches towards optimising the gamma interferon assay for diagnosing *Mycobacterium bovis* infection in African buffalo (*Syncerus caffer*). IN: Preventive Veterinary Medicine, 98, 142-151
- **Naidoo V, Mompati KF, Duncan N, Taggart MA** (2011) The pied crow (*Corvus albus*) is insensitive to diclofenac at concentrations present in carrion. IN: Journal of wildlife diseases, 47(4): 936-944
Faculty Staff Members Wildlife Related Publications (2006 – 2016)

Peer reviewed research articles: 2012 (Number = 37)

- Barnier F, Grange S, Ganswindt A, Ncube H, Duncan P (2012) Inter-birth interval in Zebras is longer following the birth of male foals than after female foals. IN: Acta Oecologica, 42: 11-15
adrenocortical endocrine activity in ground-feeding aardwolves (*Proteles cristata*): Exemplifying the influence of consumption of inorganic material for fecal steroid analysis. IN: Physiological and Biochemical Zoology, 85(2): 194-199


• Mbatha KR, Lane EP, Lander M, Tordiffe ASW, Corr S (2012) Preliminary evaluation of selected minerals in liver samples from springbok (Antidorcas marsupialis) from the National Zoological Gardens of South Africa. IN: Journal of the South African Veterinary Association, 83(1)


• Steyl JCA, Prozesky L, Stoltsz WH, Lawrence JA (2012) Theileriosis (cytauxzoonosis) in roan antelope (Hippotragus equinus). IN: Journal of Veterinary Research, 79(1), Art. #367, 8 pages. DOI:10.4102/ojvr.v79i1.367


• Viljoen M, Brand TS, Soley JT, Boomker EA (2012) The composition of egg yolk absorbed by fasted ostrich (Struthio camelus L.) chicks from 1 to 7 day posthatching and for ostrich (Struthio camelus L.) chicks from 1 to 16 days posthatching on a prestarter broiler diet. IN: Poultry Science, 91: 1342-1349

Peer reviewed research articles: 2013 (Number = 30)


• Gcebe N, Rutten VPMG, Gey van Pittius N, Michel AL (2013) Prevalence and distribution of non-tuberculous mycobacteria (NTM) in the environments of cattle and African buffaloes (Syncerus caffer) in South Africa. IN: Transboundary and Emerging Diseases, 60: 74-84


• Hlokwe TM, van Helden P, Michel AL (2013) Evaluation of the discriminatory power of variable number of tandem repeat (VNTR) typing of Mycobacterium bovis isolates from southern Africa. IN: Transboundary and Emerging Diseases, DOI: 10.1111/tbed.12099, 60, s1,111 – 120


• Lane EP, Huchzermeyer FW, Govender D, Bengis RG, Buss PE, Hofmeyr M, Myburgh JG, Steyl JCA, Pienaar DJ, Kotze A (2013) Pansteatitis of unknown etiology associated with large-scale nile crocodile (Crocodylus niloticus) mortality in Kruger National

Maas M, Michel AL, Rutten VPMG (2013) Facts and dilemmas in diagnosis of tuberculosis in wildlife. IN: Comparative Immunology, Microbiology and Infectious Diseases, 36: 269– 28


Faculty Staff Members Wildlife Related Publications (2006 – 2016)

Peer reviewed research articles: 2014 (Number= 30)

- Chaisi ME, Collins NE, Oosthuizen MC (2014) Phylogeny of Theileria buffeli genotypes identified in the South African buffalo (Syncerus caffer) population. IN: Veterinary Parasitology, 204: 87-95 DOI: 10.1016/j.vetpar.2014.06.001
- Crole MR, Soley JT (2014) Comparative Distribution and Arrangement of Herbst Corpuscles in the Oropharynx of the Ostrich (Struthio camelus) and Emu (Dromaius novaehollandiae). IN: The Anatomical Record, 297: 1338-1348
- Fagbo S, Coetzer JAW, Venter EH (2014) Seroprevalence of Rift Valley fever and lumpy skin disease in African buffalo (Syncerus caffer) in the Kruger National Park and Hluhluwe-imfolozi Park, South Africa. IN: Journal of the South African Veterinary Association, 85(1), Art. #1075, 7 pages. DOI:10.10.4102/jsava.v85i1.1075
Hlokwe TM, van Helden P, **Michel AL** (2014) Evidence of increasing intra and interspecies transmission of *Mycobacterium bovis* in South Africa: Are we losing the battle?. IN: Preventive Veterinary Medicine, 115: 10-17

Hutchinson TH, Madden JC, **Naidoo V**, Walker CH (2014) Comparative metabolism as a key driver of wildlife species sensitivity to human and veterinary pharmaceuticals. IN: Philosophical Transactions of the Royal Society B: Biological Sciences, 369, 1656, 20130583


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Faculty Staff Members Wildlife Related Publications (2006 – 2016)

Peer reviewed research articles: 2015 (Number= 35)

- Crole MR, du Plessis L, Soley JT (2015) Morphological features of Herbst corpuscles in the oropharynx of the ostrich (Struthio camelus) and emu (Dromaius novaehollandiae). IN: The Anatomical Record, 298: 783–796

• Fàbregas MC, Fosgate GT, Koehler GM (2015) Hunting performance of captive-born South China tigers (Panthera tigris amoyensis) on free-ranging prey and implications for their reintroduction. IN: Biological Conservation, 192: 57-64


• Keokilwe L, Olivier A, Burger W, Joubert H, Venter EH, Morar-Leather D (2015) Bacterial enteritis in ostrich (Struthio camelus) chicks in the Western Cape Province, South Africa. IN: Poultry Science Journal, 00:1–7 DOI:10.3382/ps/pev084


• Marneweck SD, Cameron EZ, Ganswindt A, Dalerum F (2015) Behavioral and endocrine correlates to the aardwolf mating system. IN: Mammalian Biology, 80: 31-38

• Meyer LCR, Hetem RS, Mitchell D, Fuller A (2015) Hypoxia following etorphine administration in goats (Capra hircus) results more from pulmonary hypertension than from hypoventilation. IN: MC Veterinary Research, 11: 1-9

• Musoke J, Hlokwe T, Marcotty T, du Plessis BJA, Michel AL (2015) Spillover of Mycobacterium bovis from wildlife to livestock, South Africa. IN: Emerging Infectious Diseases, 21(3): 448-451


Faculty Staff Members Wildlife Related Publications (2006 – 2016)

Peer reviewed research articles: 2016 (Number= 61)

- Burroughs REJ, Penzhorn BL, Wiesl I, Barker N, Vorster I & Oosthuizen MC (2016) Piroplasms in brown hyaenas (Parahyaena brunnea) and spotted hyaenas (Crocuta crocuta) in Namibia and South Africa are closely related to Babesia lengau. IN: Parasitology Research 1-8


• Crole MR, Soley JT (2016) Comparative morphology, morphometry and distribution pattern of the trigeminal nerve branches supplying the bill tip in the ostrich (Struthio camelus) and emu (Dromaius novaehollandiae). IN: Acta Zoologica, 97:49-59


• Espinaze MPA, Hellard E, Horak IG & Cumming GS (2016) Analysis of large new South African dataset using two host-specificity indices shows generalism in both adult and larval ticks of mammals. IN: Parasitology 143(3), 366-373

• Gadaga BM, Etter EMC, Mukamuri B, Makwangudze KJ, Pfukenyi DM & Matope G (2016) Living at the edge of an interface area in Zimbabwe: Cattle owners, commodity chain and health workers' awareness, perceptions and practices on zoonoses. IN: BMC Public Health 16(1)


• Golezardy H, Oosthuizen MC, Penzhorn BL (2016) Diversity of ticks (Acari: Ixodidae) infesting cheetahs (Acinoxyx jubatus) at three breeding centres in South Africa and activity patterns of questing ticks. IN: Ticks & Tick-borne Diseases 7(5) 788-797


• Haw A, Meyer LCR, Fuller A (2016) Nalbuphine and butorphanol reverse opioid-induced respiratory depression but increase arousal in etorphine-immobilized goats (Capra hircus). IN: Veterinary, Anesthesia and Analgesia, 43(5) 539-548


• Hlokwe TM, De Klerk-Lorist L, & Michel AL (2016) Wildlife on the move: A hidden tuberculosis threat to conservation areas and game farms through introduction of untested animals. IN: Journal of wildlife diseases 52(4), 837-843

• Hoffmann S, Horak IG, Bennett NC & Lutermann H (2016) Evidence for interspecific interactions in the ectoparasite infracommunity of a wild mammal. IN: Parasites & Vectors (9)58


• Jori F & Etter E (2016) Transmission of foot and mouth disease at the wildlife/livestock interface of the Kruger National Park, South Africa: Can the risk be mitigated? IN: Preventive veterinary medicine 126 19-29


• Mans BJ, Pienaar R, Ratabane J, Pule B & Latif AA (2016) Investigating the diversity of the 18S SSU rRNA hyper-variable region of Theileria in cattle and Cape buffalo (Syncerus caffer) from southern Africa using a next generation sequencing approach. IN: Ticks and Tick-borne Diseases.


• Quembo CJ, Jori F, Heath L, Pérez-Sánchez R & Vosloo W (2016) Investigation into the Epidemiology of African Swine Fever Virus at the Wildlife – Domestic Interface of
the Gorongosa National Park, Central Mozambique'. IN: Transboundary and Emerging Diseases 63(4), 443-451


• Scheun J, Nowack J, Bennett NC & Ganswindt A (2016) Female reproductive activity and its endocrine correlates in the African lesser bushbaby, Galago moholi. IN: Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology 186(2), 255-264


• Steenkamp G, Boy SC, van Staden PJ & Bester MN (2016) How the cheetahs' specialized palate accommodates its abnormally large teeth. IN: Journal of Zoology


• Turner WC, Penzhorn BL, Getz WM (2016) Description of three new species of Eimeria (Apicomplexa: Eimeriidae) from springbok (Antidorcas marsupialis) in Namibia. IN: Comparative Parasitology, 83(2), 202-211

• Van der Heijden EMDL, Jenkins AO, Cooper DV, Rutten VPMG, Michel AL (2016) Field application of immunoassays for the detection of Mycobacterium bovis infection in
the African buffalo (*Syncerus caffer*). IN: Veterinary Immunology and Immunopathology, 169 (2016) 68–73

