

**SASVEPM
2019**

Field Epidemiology *in action*

August 19-23, 2019

Coastlands Hotel, Umhlanga



**17TH ANNUAL
SASVEPM
CONGRESS**

26 July 2019

WEDNESDAY, 21 AUGUST 2019

| Time | Theme | Title | Speaker |
|-------|---|---|----------------------|
| 07h30 | Registration opens - arrival coffee and tea / Industry Networking | | |
| 08h00 | Opening session | Welcome and Opening | Krpasha Govindasamy |
| 08h15 | One Health: Brucellosis | KEYNOTE: Human brucellosis – a challenge for vets and meds | Sascha Al Dahouk |
| 09h15 | | Bovine Brucellosis as emerging zoonosis: Loop mediated isothermal amplification assay for the diagnosis | Shafia Tehseen Gul |
| 09h35 | | Development and analytical validation of a genus-specific Brucella real-time PCR assay targeting the 16S-23S rDNA internal transcribed spacer (ITS) | Rejoice Nyarku |
| 09h55 | | Seroprevalence of brucellosis among abattoir workers and associated risk factors in abattoirs in Gauteng province, South Africa: A One Health Approach | Francis B. Kolo |
| 10h15 | Mid-morning refreshments/Posters/Industry networking | | |
| 10h40 | One Health: Brucellosis | Seroprevalence of brucellosis, knowledge, perception and health seeking behaviour of farm workers and para-veterinarians at the human-cattle farm interface, Gauteng, South Africa, 2014 - 2016 | Krpasha Govindasamy |
| 11h00 | | Occupational risk of Brucellosis at Critical control points in Gauteng Abattoirs | Cheryl McCrindle |
| 11h20 | | Bovine Brucellosis Policy Review | Alicia Cloete |
| 11h40 | | Discussion Time | |
| 12h00 | Poster Session | | |
| 12h20 | Lunch | | |
| 13h20 | One Health: Brucellosis | Descriptive analysis of human population at high risk of zoonotic brucellosis at the human-cattle-farm interface, Gauteng, 2016 | Krpasha Govindasamy |
| 13h40 | | Risk factors for brucellosis at the human-cattle farm interface, Gauteng, South Africa, 2014 - 2016 | Krpasha Govindasamy |
| 14h00 | | A case of simultaneous brucellosis and tetanus in Limpopo Province, South Africa, February 2019 | Unarine Makungo |
| 14h20 | | Socio-economic impact of bovine brucellosis in the Mabeskraal village and surrounding communities in the Moses Kotane local municipality in the North West Province of South Africa. | Bothle Mike Modisane |
| 14h40 | | Discussion Time | |

| Time | Theme | Title | Speaker |
|-------|--|--|------------|
| 15h00 | Mid-afternoon refreshments/Posters/Industry networking | | |
| 15h30 | One Health: Brucellosis | Community of practice on sanitary and phytosanitary risk assessment: A step towards a national risk assessment agency? | Eric Etter |
| 15h50 | SASVEPM Stakeholder Engagement | Department of Agriculture, Forestry & Fisheries (DAFF) | tbc |
| 16h10 | | Onderstepoort Biological Products (OBP) | tbc |
| 16h25 | | South African Veterinary Council (SAVC) | tbc |
| 16h45 | | National Animal Health Forum (NAHF) | tbc |
| 17h05 | End of Day 1 | | |
| 18h30 | Welcome Reception | | |

THURSDAY, 22 AUGUST 2019

| Time | Theme | Title | Speaker |
|-------|--|---|---------------------|
| 08h00 | Postgraduate student presentations | Cross species transmission of <i>Mycobacterium bovis</i> infection at the wildlife/livestock interface in South Africa | Petronillah Sichewo |
| 08h20 | | Serological prevalence of Q-fever in slaughter animals in red meat abattoirs in Gauteng province, South Africa | Maruping Mangena |
| 08h40 | | Identification and characterisation of the common aetiologies of cattle respiratory diseases in Mahikeng local municipality, South Africa | Felicia Tshinavhe |
| 09h00 | | Bioaccumulation of heavy metals, exposure assessment and risk characterization of common carp fish (<i>Cyprinus carpio</i>) consumers in the Hexriver catchment in Rustenburg | Mpho Tawana |
| 09h20 | | Lumbosacral Disease in Police, Military and Correctional Services Working Dogs: A descriptive review of 77 cases diagnosed in the Western Cape, South Africa (2012-2016) | Shira Amar |
| 09h40 | | Molecular characterization of highly pathogenic avian influenza clade 2.3.4.4 H5N8 viruses causing outbreaks in terns and other coastal birds in South Africa in 2018 | Belinda Peyrot |
| 10h00 | | Epidemiology of trichinellosis in Greater Kruger National Park, South Africa | Louis J. La Grange |
| 10h20 | | Molecular characterisation of Lumpy skin diseases in Mafikeng municipality | Patience Mashamba |
| 10h40 | Mid-morning refreshments/Posters/Industry networking | | |
| 11h10 | Field Epidemiology in Action | Establishing whether the population structure of zebra in the Western Cape African horse sickness control zones is competent to act as a reservoir host for AHSV | John Grewar |
| 11h30 | | Cystic echinococcosis as a neglected and emerging zoonotic threat in Africa: the Nigerian and South African picture | Eric Etter |
| 11h50 | | Behavioural changes in goats infected with foot-and-mouth disease virus | Tanja Wolf |
| 12h10 | | Acaricide Resistance patterns in one-host <i>Rhipicephalus spp</i> at rural dip tanks and commercial farms in Kwa- Zulu Natal | Caryn Shacklock |
| 12h20 | Voting for student presentation prize | | |
| 12h45 | Lunch | | |

| Time | Theme | Title | Speaker |
|-------|---|---|-----------------------|
| 13h45 | Field epidemiology in Action | Outbreak Investigation of Avian Influenza in a South African Zoological Institution | Kresen Pillay |
| 14h05 | | Longitudinal sero-surveillance of foot and mouth disease in an isolated buffalo herd in the Kruger National Park | Francois Maree |
| 14h25 | | Seroconversion of livestock during an active foot-and-mouth disease outbreak | Geoff Fosgate |
| 14h45 | | Investigating the epidemiology of potentially zoonotic Hepatitis E virus in commercial pigs, Cape Town, South Africa | Leslie van Helden |
| 15h05 | AHT presentation | A Preliminary Study of Bovine Genital Campylobacteriosis and Trichomoniasis of Cattle in Mafikeng, North West, South Africa | Odirile T.L. Ramafoko |
| 15h25 | Mid-afternoon refreshments/Posters/Industry networking | | |
| 16h00 | SASVEPM AGM | | |
| 17h00 | Free Time | | |
| 19h00 | Gala Dinner in the African Sky venue at Coastlands Umhlanga | | |

FRIDAY, 23 AUGUST 2019

| Time | Theme | Title | Speaker |
|-------|--|---|--------------------------|
| 08h00 | Laboratory & Diagnostics | Limitations of diagnostic tests using rabies as an example | Claude Sabeta |
| 08h20 | | The use of novel single-chain antibody fragments against sat serotype foot-and-mouth disease viruses in diagnostics | Melanie Chitray |
| 08h40 | | Development of rapid, multiplex xMAP [®] assays for the detection of haemoparasites, and causes of abortion in cattle | Melvyn Quan |
| 09h00 | | The use of bulk tank milk testing as an adjunct to other udder health evaluation methods | Tracey Schmidt |
| 09h20 | | Construction of a recombinant antibody phage display library derived from the immune repertoire of FMD–SAT infected buffalo. Potential new diagnostic reagents? | Pamela Opperman |
| 09h40 | | Biorisk Analysis in Veterinary Laboratories | Songelwayo Chisi |
| 10h00 | | The efficacy of a plant-produced virus-like particle vaccine against H6 avian influenza in specific pathogen free chickens | Tanja Smith |
| 10h20 | Mid-morning refreshments/Posters/Industry networking | | |
| 10h50 | Field Epidemiology in Action | Modelling the risk of foot-and-mouth disease virus (FMDV) outbreaks in South Africa | Mohamed M Sirdar |
| 11h10 | | Overview of <i>Theileria Parva</i> Epidemiology in northern Kwazulu-Natal | Sikhumbuzo Mbizeni |
| 11h30 | | AHS Control in of South Africa and the Veterinary Procedural Notice | John Grewar |
| 11h50 | | One Health- Doing what we can as students | Nabeelah I. Rajah |
| 12h10 | | A chameleon called Sattoo broke the heart of Bushwillow Creek | Lin-Mari de Klerk-Lorist |
| 12h30 | Closure of Congress | | |
| 12h45 | Lunch | | |

POSTERS

| Theme | Title | Speaker |
|------------------------------|--|-----------------------------|
| Field Epidemiology in Action | 1. Prevalence of leptospirosis in donkeys and associated risk factors in the South Africa | Kibambe Daddy |
| | 2. Investigating Campylobacter species diversity in slaughter age broiler chickens of the Ngaka Modiri Molema district, North West South Africa | Kealeboga Mileng |
| | 3. Seroprevalence of Toxoplasma gondii in communal livestock at Ratlou Local Municipality in the North West Province, South Africa | Katleho Nthabiseng Mosikidi |
| | 4. Identification and characterisation of viral bloody diarrhoea aetiology in puppies, presented to the Animal Health hospital, North-West University | Kayamba Ntumba |
| | 5. Influence of human factors in the transmission of taenia solium cysticercosis in villages of Alfred Nzo and or Tambo districts of the eastern cape province, South Africa | Msawenkosi Sithole |
| | 6. The geographical distribution of R (B) decoloratus and R (B) microplus in cattle herds in KwaZulu Natal | Selinah Maphalala |
| Laboratory & Diagnostics | 7. Calculation of measurement uncertainty in veterinary laboratories using elisa serology results as an example | Joule-Gaby Kangumba |
| | 8. Prevalence of pathogens causing subclinical mastitis and drugs resistance in small ruminants in Mafikeng | Koos Mmutle |
| | 9. Assessment of bacteriological quality and handling of bovine raw milk collected from communal areas in Mahikeng, SA | Gaboipofe Florah Mokgaotsi |
| | 10. Serum biochemical parameters and possible correlations between different cow reproductive conditions | Keitiretse Molefe |
| | 11. Pre and post ovariohysterectomy study of haemopoetic cell profile of bitches presented at Dale Beighle Veterinary Hospital (NWU, Mafikeng Campus) | Lorato Portia Pule |
| | 12. The impact of storage facilities on animal feed quality with reference to mycotoxin contamination around Ngaka Modiri Molema District, North West Province of South Africa | Galian Setsetse |
| | 13. A case control study of risk factors for bovine brucellosis in KwaZulu-Natal, South Africa | Thami Nogwebela |
| | 14. Detection of Wesselsbron and Other Flaviviruses with a Genus Specific Conventional RT-PCR and a Nested Real Time PCR | Olivia Lentsoane |
| One Health | 15. Detection and Quantification of Antibiotic Residues In Communal Goats Milk In Mahikeng Local Municipality, South Africa | Katlego Lucricia Ndlovu |
| | 16. Assessment of microbial quality of dried fish sold in the informal market around Johannesburg and, its public health implications in South Africa | Siphiwe Rendy Nkosi |
| | 17. Molecular Characterization and Antibiotic Resistance of Foodborne Pathogens in Street Vended Ready -to -eat Meat in South Africa | Mpinda Edoaurd Tshipamba |
| | 18. Effect of protein supplements on reproductive performance | Mpho Sylvia Tsheole |
| | 19. The study of poisonous plants of veterinary significance in the Rooigrond area, North West Province | Fikile Mbali Maseko |
| | 20. Development of indicator cells for virus detection | Thami Nogwebela |
| | 21. Food safety knowledge, perceptions and practices among students at the North-West University (Mafikeng Campus) | Lebogang O Ramafoko |
| | 22. Climate change perception and impacts on cattle production in pastoral communities of Northern Tanzania | Esther Gwae Kimaro |