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Area of Research Interest: Infectious diseases, microbiology, immunology



Publications:

1. **Ranjan R**, Narnaware S D and Prakash V. **2022**. Incidence, risk factors and economic impact of clinical mastitis in dromedary camel (*Camelus dromedarius*). *Tropical Animal Health and Production*. 54: 31. doi: 10.1007/s11250-021-03035-0
2. Jyotsana B, Prakash V, Suthar S and **Ranjan R**. **2021**. Growth hormone gene polymorphism in Jaisalmeri and Sindhi Camels. *Indian Journal of Animal Sciences* 91: 650-653.
3. Kumar S, Athreya A, Gulati A, Nair RM, Mahendran I, **Ranjan R** and Penmatsa A. Structural basis of inhibition of a transporter from *Staphylococcus aureus*, NorC, through a single-domain camelid antibody. *Communications Biology*. 4(1):836 DOI: 10.1038/s42003-021-02357-x
4. Narnaware SD, **Ranjan R**, Dahiya SS, Panchbuddhe A, Bajpai D, Tuteja FC and Sawal RK. **2021**. Pathological and molecular investigations of systemic form of camelpox in naturally infected adult male dromedary camels in India. *Heliyon* 7: e06186.
5. Narnaware SD, Dahiya SS, **Ranjan R** and Tuteja FC. **2020**. Fatal neonatal infection with *Klebsiella pneumoniae* in dromedary camels: Pathology and molecular identification of isolates from four cases. *Tropical Animal Health and Production* 52: 3923-3929.
6. Narnaware SD, **Ranjan R**, Dahiya SS, Panchbuddhe A, Bajpai D, Tuteja FC and Sawal RK. **2021**. Pathological and molecular investigations of systemic form of camelpox in naturally infected adult male dromedary camels in India. *Heliyon* 7: e06186.
7. Kumar S, Mahendran I, Athreya A, **Ranjan R** and Penmatsa A. **2019**. Isolation and structural characterization of Zn²⁺-bound single-domain antibody against NorC, a putative multidrug efflux transporter in bacteria. *Journal of Biological Chemistry* 295: 55-68.
8. **Ranjan R**, Pandit RJ, Duggirala SM, Joshi CJ, Sharma S and Patil NV. **2018**. Genome sequencing of *Pediococcus acidilactici* (NRCC1), a novel isolate from dromedary camel (*Camelus dromedarius*) rumen fluid. *Annals of Microbiology* 68: 103-110. doi: 10.1007/s13213-017-1320-0.
9. **Ranjan R**, Narnaware SD, Nath K, Sawal RK and Patil NV. **2018**. Rapid diagnosis of tuberculosis in dromedary camel (*Camelus dromedarius*) using lateral flow assay-based kit. *Tropical Animal Health and Production* 50: 907-910. doi : 10.1007/s11250-017-1502-6.
10. **Ranjan R**, Narnaware SD and Patil NV. **2018**. A novel technique for synthesis of calcium carbonate nanoparticles. *Natl Acad Sci Lett (India)* doi: 10.1007/s40009-018-0704-4.
11. **Ranjan R**, Sawal R K, Ranjan A and Patil NV. **2018**. Comparison of calcium absorption from nano and micro-sized calcium salts using everted gut sac technique. *Indian Journal of Animal Science*. 89(3):116.
12. **Ranjan R**, Vyas s, Kashinath, Sonawane GG and Patil NV. **2018**. Lymphadenitis caused by *Corynebacterium pseudotuberculosis* in a dromedary (*Camelus dromedarius*) herd. *Journal of Camel Practice and Research* 25(1): 45-48. Doi: 10.5958/2277-8934.2018.00006.1.
13. **Ranjan R**, Kashinath, Sawal RK and Patil NV. **2016**. A study on tear fluid secretion rate in dromedary camel (*Camelus dromedarius*). *Journal of Camel Practice and Research* 23(1): 117-119. DOI: 10.5958/2277-8934.2016.00019.9.
14. **Ranjan R**, Narnaware SD, Sawal RK and Nath K. **2015**. A report on common health problems in Indian Bactrian Camels (*Camelus bactrianus*). *Journal of Camel Practice and Research* 22(2): 223-225. DOI: 10.5958/ 2277-8934.2015.00035.1.
15. **Ranjan R**, Narnaware SD, Nath K, Sawal RK and Patil NV. **2015**. Double-humped camels of Ladakh: prospects and constraints to sustained survival. *Current Science* 109(5) 857-858.