

BIODATA

Name : Dr. Basanti Jyotsana
Designation : Senior Scientist
Discipline : Animal Biotechnology
Area of Research : Genomics, Molecular Genetics and Metagenomics
Interest
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Qualifications with year and institute

Sl. No.	Degree Awarded	Field of Study	Year	Institution Place
1.	B.V.Sc. & A.H.	Veterinary Science & A.H.	2005	Anand Agricultural University, Anand, Gujarat
2.	M.V.Sc.	Animal Biotechnology	2008	Anand Agricultural University, Anand, Gujarat
3.	Ph D	Animal Biotechnology	2015	National Dairy Research Institute, Karnal, Haryana

PUBLICATIONS

Research Papers: 22

General articles: 07

Book Chapters: 03

Selected peer-reviewed publications (Ten best publications in chronological order)

S. No.	Article
1.	Prakash, V, Jyotsana, B , Vyas, S and Sawal, R K.(2022) Study of milkability and associated factors in Indian Dromedary Camel. <i>Small Ruminant Research</i> . 207,106600 doi.org/10.1016/j.smallrumres.2021.106600
2.	Hinsu, A. T., Tulsani, N. J., Panchal, K. J., Pandit, R. J., Jyotsana, B. , Dafale, N. A., Patil, N. V., Purohit, H. J., Joshi, C. G., & Jakhesara, S. J. (2021) Characterizing rumen microbiota and CAZyme profile of Indian dromedary camel (<i>Camelus dromedarius</i>) in response to different roughages. <i>Scientific reports</i> .11, 9400. https://doi.org/10.1038/s41598-021-88943-9
3.	Jyotsana, B , Prakash,V, Suthar, S and Ranjan, R.(2021) Growth Hormone gene polymorphism in Jaisalmeri and Sindhi camels. <i>Indian Journal of Animal Sciences</i> 91 (8): 650-653.

4.	Tulsani, N. J., Mishra, P., Jakhesara, S. J., Srivastava, S., Jyotsana, B. , Dafale, N. A., Patil, N. V., Purohit, H. J., & Joshi, C. G. (2021) Isolation, purification and characterization of a novel esterase from camel rumen metagenome. <i>Protein expression and purification</i> . 187, 105941 doi.org/10.1016/j.pep.2021.105941.
5.	Jyotsana, B. , Jakhesara, S.J., Prakash, V., Rank, D.N., & Vataliya, P. (2010). Genetic features of Patanwadi, Marwari and Dumba sheep breeds (India) inferred by microsatellite markers. <i>Small Ruminant Research</i> , 93, 57-60.
6.	Jyotsana, B. , Kumar R, Kumari R, Meena A S, Prince L.L.L., Ved Prakash and Kumar S (2016) Identification of genetic variants of β -Lactoglobulin gene in Garole, Malpura, Patanwadi sheep and their crossbreds. <i>Indian Journal of Small Ruminants</i> 22(2):174-177.
7.	Jyotsana, B. , Krishnappa, B, Bahire, S V., Meena A.S., Kumar, D. Naqvi S.M.K. and Kumar. S. (2019). In vitro fertilization of sheep oocytes with Patanwadi ram semen. <i>Indian Journal of Small Ruminants</i> . 25: 41-44.
8.	Prakash,V, Jyotsana, B. , Suthar, S, Nath, K, Ranjan, R and Sawal R.K (2021) Molecular characterisation of growth hormone (GH) gene in Indian dromedary and bactrian camel. <i>Journal of Camel Practice and Research</i> . 28 (1): 47-51.
9.	Jyotsana, B. , Kumar, R., Kumari, R., Meena, A. S., Prince, L. L. L., Prakash, V. And kumar, S. (2014) β -lactoglobulin gene polymorphism in indian sheep breeds of different agro-climatic regions. <i>Indian Journal of animal sciences</i> . 84:1133–1136.
10.	Ansari M.M.; Jyotsana B. ; Kumar D; Sawal R K.; Talluri T R.; Chandra V.; Sharma G.Taru (2020) Effect of heat treatments on antioxidant properties and insulin content of camel milk. <i>Journal of camel practice and research</i> . 27:105-110