



Dr. Juwar Doley, B.V.Sc., M.V.Sc., PhD
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Publications	Total no. of Research Paper	20
	Total no. of Books/Manual	10
	No. of patent granted (G) /filed (F) : (G) (F)	
	Copyright granted (G) /filed (F) : (G) (F)	
	Policy Document	:
Experience with research interest :		
<p>Dr Doley's research focus is on sero and molecular epidemiology of bacteria and viruses affecting pig health and production. Dr Doley also has experience in working in the area of apoptosis, oncolytic viruses, molecular epidemiological studies of bacteria and virus, expression profiling of miRNA in disease, sex-specific markers and in area of assisted reproductive technologies and was part of the research team to produce the first test tube yak calf.</p>		
Top 10 Publications :		
<ol style="list-style-type: none"> 1. Das P.P, Krishnan G., Doley J., Biswas TK., Paul V., Chakravarty P., Deb S.M. and Das P.J.(2019). Identification and expression profiling of MSY genes of yak for bull fertility. <i>Journal of Genetics</i> (2019) 98:41 2. Sahay S., Jayaram PKP, Krithiga N., Doley J., GB MR., Patil SS and Shome BR (2017). Respiratory infections in yak (<i>Bos grunniens</i>); a pilot study on isolation and direct PCR diagnosis for pasteurellosis, manheimiosis and histophilosis. <i>Indian Journal of Animal Sciences</i> 88 (9): 998–1002 3. Chatterjee N., Dhar B., Bhattacharya D., Deori S., Doley J., Bam J., Das P.J., Bera A.K., Deb S.M., Devi N.N., Paul R., Malvika S. and Ghosh S.K. (2017). Genetic assessment of leech species from yak (<i>Bos grunniens</i>) in the tract of Northeast India, <i>Mitochondrial DNA Part A</i>, 29:1 4. Rout M., Bhattacharya D., Prusty B.R., Chatterjee N., Bera A.K., Doley J., Deori S., Medhi D., Bam J., Hanah S.S., Deb S.M. and Pattnaik B. (2017). Foot-and-mouth disease virus infection-specific non- structural protein antibodies detected in populations of mithun (<i>Bos frontalis</i>), yak (<i>Bos grunniens</i>) and their hybrids maintained in farms and villages of Arunachal Pradesh, India. <i>Indian Journal of Animal Sciences</i>, 87(9):1090-1091. 		

5. Sahay S., **Doley J.**, Krithiga N., Reddy G.B.M., Patil S.S., Shome B.R. and Shome B. (2016). Isolation and characterization of Klebsiella pneumonia from respiratory infection of Yak (*Bos grunniens*), India. *Advances in Animal and Veterinary Sciences*, **4**(12):637-641.
6. Rout M., **Doley J.**, Maiti S., Bera A.K., Chatterjee N., Bhattacharya D. and Mohapatra J.K. (2016). Evidence of Foot-and-Mouth Disease Virus infection in yaks reared in a farm of Arunachal Pradesh. *Indian Journal of Veterinary Pathology*, **40**(3):284-286.
7. Chakravarty P., Hussain M., Chauhan M.S., Manik R.S., Baishya D., Bhuyan S., Soren S., Deori S., Paul V., Das P.J., **Doley J.**, Borah B.K.D., Krishnan G., Dutta D.J. and Deb S.M. (2015). *In vitro* yak embryo production through conventional and ovum pickup methods. *Reproduction, Fertility and Development*, **27**(1):218-218.
8. Bera A.K., Hussain M., Maji C., Maiti S., **Doley J.**, Bhattacharya D., Bam J., Deori S., Paul V., Biswas T.K. and Deb S.M. (2015). High seroprevalence of bovine herpesvirus-1 and *Brucella abortus* in yak populations of Arunachal Pradesh, India correlates with abortion. *Indian Journal of Animal Sciences*, **85**(7):751-754.
9. Singh P.K., Tiwari A.K., Rajmani R.S., Kumar G.K., Chaturvedi U., Saxen L., Saxena S., **Doley J.**, Sahoo A.P., Santra L., Saxena M., Kumar S. and Sharma S. (2015). Apoptin as a Potential Viral Gene Oncotherapeutic Agent. *Applied Biochemistry and Biotechnology*, **176**(1):196-212.
10. Saxena S, Kumar G. Ravi,. Singh P. K., Chaturvedi U, Saxena L, Kumar R, Sahoo A.P. **Doley J**, Rajmani R S, Kumar S and Tiwari A K (2012). Prokaryotic expression of Chicken Infectious anemia Apoptin protein and characterization of its Polyclonal antibodies for Oncolytic studies. *Indian Journal of Experimental Biology*, **50**(5):325-31

Technologies developed:

The protocol for production of embryo through in-vitro fertilization (IVF) of oocytes retrieved with ultrasound guided ovum pickup (OPU) technique in yak in the research team

Awards

1. CEEB-JNU (2005),
2. ICAR-JRF –NDRI (2005),
3. IVRI PhD Fellowship (2007)

Membership of professional society:

- Biosafety Society of India
- Laboratory Animal Society of India