

## Individual faculty information

**1. Name & Designation:** Dr Rakesh Kumar Singh, Associate Professor & Officer In-charge

**2. Highest qualifications:** PhD

**3. Specialization/ Area of interest:** Veterinary Physiology

**4. Contact details (Mobile No & Email address)**

9411423409,8218784490, [drrakeshvet@gmail.com](mailto:drrakeshvet@gmail.com)  
[rksingh.vet@svpuat.edu.in](mailto:rksingh.vet@svpuat.edu.in)



**6. Brief profile** (Not more than one page)

**a. Name & Designation:** Dr Rakesh Kumar Singh, Associate Professor & Officer In-charge

**b. Academic qualification**

Degree	Year	University/Institute	Subjects
PhD	2012	Indian Veterinary Research Institute, Izatnagar-243122, Bareilly, Uttar Pradesh, India	Veterinary Physiology
MVSc	2006	Indian Veterinary Research Institute, Izatnagar-243122, Bareilly, Uttar Pradesh, India	Animal Physiology
BVSc & AH	2004 (First Batch)	Acharya Narendra Deva University of Agriculture & Technology, Kumarganj-224229, Ayodhya, Uttar Pradesh, India	As per MSVE of Veterinary Council of India, New Delhi

**c. Professional position held so far**

Name of Post/Designation	Duration (from...to....)	University/Institute	Nature of duties
Associate Professor & Officer In-charge, Department of Veterinary Physiology & Biochemistry	19 <sup>th</sup> July 2018-Till date	Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut-250110, Uttar Pradesh, India	Teaching, Research and Extension
Assistant Professor	01 <sup>st</sup> March 2014 to 18 <sup>th</sup> July 2018	Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut-250110, Uttar Pradesh, India	Teaching, Research and Extension
Veterinary Officer	September 2008 to February 2014	Uttar Pradesh Animal Husbandry Department, Lucknow, Uttar Pradesh, India	Treatment, Diagnosis and Extension
Assistant Professor	02 <sup>nd</sup> May 2008 to September 2008	Acharya Narendra Deva University of Agriculture & Technology, Kumarganj-224229, Ayodhya, Uttar Pradesh, India	Teaching, Research and Extension

**d. Publication (Ten best publication in APA format)**

1. Singh, R., Kumar, K., Ranjan, R., Kumar, M., Yasotha, T., **Singh, R. K.**, Das, B.C., Sarkar, M. & Bag, S. (2015). Comparative expression analysis of embryonic development-related genes at different stages of parthenogenetic and in vitro fertilized embryos in caprine. *Zygote*, 23(2): 198-204.
2. Ranjan, R., **Singh, R. K.**, Yasotha, T., Kumar, M., Puri, G., Kumar, K., Singh, Renu, Bhure, Sanjeev, Malakar D., Bhanja, S.,K., Sarkar, M., Das, B.,C. & Bag, S. (2013). Effect of actin polymerization inhibitor during oocyte maturation on parthenogenetic embryo development and ploidy in *Capra hircus*. *Biochemical genetics*, 51: 944-953.
3. Ranjan, R., Singh, R. K., Yasotha, T., Kumar, M., Kumar, K., Singh, R., Kumar, Kuldeep, **Singh, R.K.**, Kumar, Manish., Yasotha, T., Maurya, V.P., Hoque, M. & Bag, S. (2013). Survivability of parthenogenetic embryos following in vivo transfer in naturally synchronized *Capra hircus*. *In Vitro Cellular & Developmental Biology-Animal*, 49: 486-491.
4. Kuldeep, K., Renu, S., Ranjan, R., Yasotha, T., **Singh, R. K.**, Manish, K., Bhanja, S.,K., Das, B.C., Mohan, N.H. & Sadhan, B. (2013). Use of extract egg for parthenogenetic embryos development in caprine. *Indian Journal of Animal Sciences*, 83(4): 377-378.
5. Kumar, N., Bari, N., Singh, R., Kumar, K., **Singh, R. K.** & Ranjan, R. (2013). Isolation and characterization of neural stem cells from caprine. *Indian Journal of Animal Sciences*, 83(2): 146-149.
6. Renu, S., Kuldeep, K., Iram, K., Ranjan, R., Yasotha, T., **Singh, R. K.**, Das, B. C. & Sadhan, B. (2013). Comparative expression profile of developmental related genes in haploid and diploid parthenogenetic embryos in caprine. *Indian Journal of Animal Sciences*, 83(5): 502-505.
7. Kumar, M., Yasotha, T., **Singh, R. K.**, Singh, R., Kumar, K., Ranjan, R., Meshram, Chetan, D., Das, B.C. & Bag, S. (2013). Generation of transgenic mesenchymal stem cells expressing green fluorescent protein as reporter gene using no viral vector in caprine. *Indian Journal of Experimental Biology*, 51(7): 502-509.
8. Kumar, A., Kumar, K., Singh, R., Puri, G., Ranjan, R., Yasotha, T., **Singh, R.K.**, Sarkar, M. & Bag, S. (2012). Effect of mitotic inducers and retinoic acid blocker on expression of pluripotent genes in ES cells derived from early stage in vitro-produced embryos in buffalo. *In Vitro Cellular & Developmental Biology-Animal*, 48: 625-632.
9. **Singh, R. K.**, Sadhan, B., Das, B. C. & Majumdar, A. C. (2009). Effect of culture temperature and gaseous phase on embryo development in goat. *Indian Journal of Animal Sciences*, 79(11): 1107-1110.
10. **Singh, R. K.**, Das, B. C., Majumdar, A. C. & Sadhan, B. (2009). Simulation of body temperature and different gaseous phase on in vitro maturation and embryo development in goat. *Indian Journal of Animal Sciences*, 79(11): 1103-1106.

Description		Published
Scientific Publications (Full Research Paper)	National	15
	International	07
Extension Publications/Lead Paper		02
Popular Articles		20
Books/Manual/Monographs		05
Book Chapters	National	30
	International	-

**e. Student guided/ Co- guided**

Student	Guided (Number)	Co- guided (Number)
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PG	-	02
PhD	01	01

#### f. Award/ Recognition

S.No.	Name of the Award/Medals	Awarding Organization/Institution	Year
1.	<b>Best Participant Award</b> in 21 days summer school training.	ICAR-Indian Institute of Farming System Research (IIFSR), Modipuram, Meerut	2017
2.	<b>Best Teacher Award</b>	Agricultural Technology Development Society (ATDS), Ghaziabad, Uttar Pradesh, India	2019
3.	<b>Scientist of the Year Award</b>	Pragati International Scientific Research Foundation, Meerut, India	2019
4.	<b>Young Scientist Award</b>	Agricultural Technology Developmental Society (ATDS), Ghaziabad, Uttar Pradesh, India	2017
5.	<b>Young Scientist Award</b>	Society for World Environment, Food and Technology (SWEFT), New Delhi, India	2019
8.	<b>Medal and Certificate</b> of honour for selection in ICAR JRF	Acharya Narendra Deva University of Agriculture & Technology, Kumarganj-224229, Ayodhya, Uttar Pradesh, India	2004
9.	<b>A certificate of appreciation for All India Animal Show- 2016 &amp; 2017</b>	Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut-250110, Uttar Pradesh, India	2016,2017

#### Membership of Professional Organization/Societies: (08 Professional Societies)

- Life membership of “Indian Science Congress Association”
- Life membership of “Society of Animal Physiologists of India (SAPI)”

#### Additional responsibilities, if any:

- Officer In-charge, Department of Veterinary Physiology & Biochemistry
- Associate Librarian, Central Library, Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut-250110, Uttar Pradesh, India