



1. **Name Designation** :DrBrijeshYadav, Professor, Veterinary Physiology

2. **Date of Birth** : 1st August 1981

3. **Present place of posting:**

Department of Veterinary Physiology, College of Veterinary Science and Animal Husbandry, DUVASU, Mathura

Residential Address- B-6, University New Campus, DUVASU, Mathura

Contact No- 919411006534, email ID- drbrijvet@gmail.com

4. **Academic qualifications**

S. No.	Degree	Subject	Year of Passing	Institute/ University	O.G.P.A Percentage
1.	BVSc and AH	Vet. Science	2005	ANGRAU,Hyderabad	7.57/10
2.	MVSc with JRF	Vet. Physiology	2007	GBPUAT,Pantnagar	8.380/10
3	Ph.D. with SRF	Vet. Physiology	2012	IVRI, Bareilly, UP	8.287/10
4	Post Doctoral Training	Rumen Metagenomics	2023	University of Pennsylvania, USA	---

5. **Employment record**

Designation	Pay Scale/ Pay Band	Organization	Period	
			From	To
Assistant Professor	17600-39100 +6000	DUVASU	20/12/2008	19/12/2012
Assistant Professor	17600-39100 +7000	DUVASU	20/12/2012	19/12/2017
Assistant Professor	17600-39100 +8000	DUVASU	20/12/2017	19/12/2020
Associate Professor	Pay Band 4	DUVASU	20/12/2020	20/12/2023
Professor	Pay Band 4	DUVASU	21/12/2023	Till now

6. **Teaching**

Involved in teaching of BVSc and AH, MVSc, PhD (Veterinary Science), MSc, PhD (Biotechnology) and course advisor for different BSc (Biotechnology) courses

Guided 8 PG students and acted as Member, Advisory Committee for 55 PG students

7. **Research achievements**

Actively involved as PI, Co-PI in 6 external funded, 9 university funded and one industry funded research projects

The salient research achievements are

- Established the role of host-microbiome interaction in acquisition of thermotolerance
- Reported that Buffalo calves are more susceptible to cold stress than heat stress
- Established thermo-neutral zone in zebu cattle and buffalo calves, and goats
- Established the threshold temperature humidity index for goat, cattle and buffalo
- Determined of suitable THI model for goats and cattle in semi-arid region

- f. Established the role of miRNA in regulation of adaptation in buffaloes
 - g. Reported the changes in microbiome, fermentation pattern and digestibility in heat stressed buffaloes
 - h. Established the dynamics of physio-biochemical, hormonal changes and pattern of digestibility and methane emission during different temperature exposures in crossbred cattle
 - i. Reported the comparative adaptability of goat and cattle breeds in semi-arid region
 - j. Established the effective cooling strategies in cattle and buffalo during summer in semi-arid region
 - k. Reported the positive effect of dietary supplementation of micro minerals for augmentation of semen quality in goats
 - l. Reported the augmentation of post-thaw semen quality by addition of suitable additives
 - m. Production of frozen buck semen of different goat breeds and supply to 12 different states
 - n. Establishment of Bio-climatology laboratory having facilities of molecular lab (Genomics and Proteomics), climate chamber, calorimetric units, continuous methane emission monitoring unit, infra-red camera and automatic weather station
- Bio-climatology lab page <https://upvetuniv.edu.in/bio-climatology-laboratory/>

8. Publications

Total Citations	3805
H index	20
i-10 Index	37
Total number of Research Publication	90
Review Papers	3
Training manuals/Compendia	12
Technical/popular article/lead papers	25
Books	6
Google Scholar page https://scholar.google.com/citations?user=51-IEsYAAAAJ&hl=en	
Research gate page https://www.researchgate.net/profile/Brijesh-Yadav-14	

9. Ten Best Research papers

- i. Sharma, V., Kumari, P., **Yadav, B.**, Kumari, R., Singh, S.K., Madan, A.K. and Tiwari, M., 2026. Targeted gene expression of toll-like receptors during cold stress in buffalo calves. *Scientific Reports*. Impact Factor- 4.9
- ii. **Yadav, B.**, Banerjee, G., Srivastava, A., Madan, A.K., Kumar, R. and Banerjee, P., 2026. Host-microbiome interplay supports heat stress resilience in zebu calves. *Animal Microbiome*, 8(1), p.39. Impact Factor- 4.9
- iii. **Yadav, B.**, Srivastava, A., Yadav, P., Swain, D.K., Anand, M., Yadav, S. and Madan, A.K. 2025. Identification of Thermoneutral Zone in Sahiwal Zebu Calves in Subtropical Climate of India. *Animals*, 15(13), p.1830. Impact Factor- 2.7
- iv. **Yadav, B.**, Yadav, P., Madan, A.K., Anand, M. and Yadav, S., 2025. Effect of heat wave on physiological responses, body surface temperature, heat load, and panting behaviour in buffalo heifers. *Theoretical and Applied Climatology*, 156(5), pp.1-12. 2.7

- v. Yadav, P., **Yadav, B.**, Swain, D.K., Anand, M., Yadav, S. and Madan, A.K., 2021. Differential expression of miRNAs and related mRNAs during heat stress in buffalo heifers. *Journal of Thermal Biology*, p.102904. Impact Factor-2.7.
- vi. **Yadav, B.**, Pandey, V., Yadav, S., Singh, Y., Kumar, V. and Sirohi, R. (2016). Effect of misting and wallowing cooling systems on milk yield, blood and physiological variables during heat stress in lactating Murrah buffalo. *Journal of Animal Science and Technology*, 58(1), 1. Impact Factor- 2.326
- vii. **Yadav, B.** Singh, G., Wankar, A. K., Dutta N., Chaturvedi, V.B. and Verma M. R. (2016). Effect of Simulated Heat Stress on Digestibility, Methane Emission and Metabolic Adaptability in Crossbred cattle. *Asian Australasian Journal of Animal Science* 29(11) 1585-92. Impact Factor-2.694.
- viii. **Yadav, B.**, Singh, G. and Wankar, A. 2019. Acclimatization dynamics to extreme heat stress in crossbred cattle. *Biological Rhythm Research*, pp.1-11. Impact Factor-1.0.
- ix. Kumar, A., **Yadav, B.**, Swain, D.K., Madan, A.K., Yadav, R.K.S., Kushawaha, B., and Yadav, S. 2020. Dynamics of HSPA1A and redox status in the spermatozoa and fluid from different segments of goat epididymis. *Cell Stress and Chaperon*, 1-9. Impact Factor- 3.827
- x. Reddy, V.S., **Yadav, B.**, Yadav, C.L., Anand, M., Swain, D.K., Kumar, D., Kritania, D., Madan, A.K., Kumar, J. and Yadav, S., 2018. Effect of sericin supplementation on heat shock protein 70 (HSP70) expression, redox status and post thaw semen quality in goat. *Cryobiology*, 84, 33-39. Impact Factor- 2.728

10. Extension Activities

Training given (Expert Lecture)	54
Training organized	78
Participation in training	6
Clinical/Extension/Fertility Camps Attended	6
Conference attended	50
Radio talk	2
Lectures delivered as expert in summer school	18
TV Talk	1

11. Membership of Professional Organization/ Societies:

Society of Animal Physiologists of India (SAPI), India

Member of UP veterinary council

Indian Academy of Veterinary Nutrition and Animal Welfare- Life Member

International Society of Biometeorology

Animal Physiologists Association

Indian Society For Buffalo Development

Indian Society for Sheep and Goat Production and Utilization

National Environmental Science Academy

Indian Veterinary Association, New Delhi

Uttar Pradesh Academy of Agricultural Sciences
National Academy of Veterinary Science, New Delhi
National Academy of Dairy Science, India

12. Reviewer in Peer Reviewed Journals

Journal of Dairy Science, Indian Journal of Animal Sciences, Journal of Advanced Veterinary Research, Cytotechnology, Indian Journal of Dairy Science, Journal of Animal Research, Journal of Applied Animal Research, Journal of Animal Nutrition and Animal Physiology, Theriogenology, Animal Biology, Veterinary Record, International Journal of Biometeorology, Asian Research journal of Gynaecology and Obstetrics, Canadian Journal of Animal Science, Journal of Animal Science and Biotechnology, Asian Pacific journal of Reproduction, Journal of Taibah University Medical Sciences, Animals, Agriculture, Biology, Genes, Andrologia, Life, Ruminants, Tropical Animal Health Production

13. Administrative Assignments

1. Chief Personnel Officer, DUVASU, Mathura, 15 March 2024 onwards
2. Coordinator, Internal Quality Assurance cell, July 2022 onwards
3. Chairman, NAAC, Learning and Evaluation Committee, July 2022 onwards
4. Working as In-charge Bio-climatology lab since August 2019.
5. Officer on Special Duty, College of Dairy Science, DUVASU, Mathura 6th Jan to August 2024
6. Member, University Examination Committee 2021 onwards till July 2025
7. Member, University Admission Committee, 2023 onwards till July 2025
8. Member, University Teaching-Learning and Evaluation Committee 2021 till July 2022
9. Working as Hostel Warden of Malviya Kshatrawas since July 1, 2019 till Jan 2023
10. Member, University Examination Committee (2014-2016 as deputy Registrar)
11. Member, University Admission Committee (2014 onwards as Deputy Registrar)
12. Worked as Deputy Registrar from 25th June, 2014 to Jan 2023
13. Worked as Convener, Institutional Animal Ethics Committee, DUVASU, Mathura from September 2012 to September 2022.
14. Worked as Class in-charge of 2nd BVSc and AH from September 2012 to September 2015.
15. Worked as Assistant Incharge Student Welfare, DUVASU, Mathura from November 2012 to April 2015.
16. Worked as Public Information Officer from May, 2014 to November 2014.
17. Worked as university Transport Officer from March 2010 to December 2010
18. Worked as Hostel Warden of Gautam hostel from May 2012 to January, 2013

14. Awards and achievements

S. No.	Item of Recognition/ Award	Year	Awarding organization
1.	Associate Fellow	2025	Society of Veterinary Science and Biotechnology
2.	Co-Chairman in Technical Session of CLIMATECON	2025	NAINP Bangalore and CRIDA Hyderabad
3.	Co-Chairman in Technical Session of APACON	2025	Animal Physiologist Association
4.	Mid Career Award	2025	Animal Physiologist Association
5.	Best Poster Presentation Award SVBBICON	2024	Society of Veterinary Biochemistry and Biotechnology of India
6.	Third Best oral presentation award ISBDCON	2024	Indian Society For Buffalo Development
7.	Best Oral Presentation Award	2024	SAPI
8.	Chairman in Technical Session of SVBBICON	2024	Society of Veterinary Biochemistry and Biotechnology of India
9.	Co-Chairman in Technical Session of SAPICON	2024	SAPI
10.	Chairman, Industry and adaptation Planning in ACASA Use Cases Workshop, Colombo	2024	Borlaug Institute for South Asia
11.	Fellow	2024	National Academy of Environmental Science
12.	Livestock Expert for Preparing Atlas of Climate Adaptation in South Asian Agriculture	2024	Borlaug Institute for South Asia
13.	Fellow Award	2024	National Academy of Dairy Science
14.	Best Department Award of the University	2024	DUVASU, Mathura
15.	Co-Chairman in Fourth Annual Convention of Animal Physiologist Association	2024	Animal Physiologist Association
16.	Best Research Paper Award	2024	Animal Physiologist Association
17.	Panelist in the Industry Scientist Farmer Interface	2024	CIRG, Makhdoom
18.	Panelist in the Brainstorming Session on "Economic use of unproductive Animals"	2024	Veterinary University, Mathura
19.	Best Teacher Award	2024	Veterinary University, DUVASU, Mathura
20.	Best Department Award of the University	2023	Veterinary University, Mathura
21.	Eminent Scientists of the year Award	2023	National Academy of Environmental Science, New Delhi
22.	Membership of NAVS	2023	NAVS

23.	Co-Chairman in SAPI Annual Conference, Nagpur	2016, 2022	SAPI
24.	Co-Chairman of a session in a Two-days on 'Sustainable Livestock Production under Impending Climate Change	2022	Australia-India Council
25.	KanwarVirendra Singh Memorial All India Best Publication Award	2022	Society for Advancement of Human and Nature
26.	Scientists of the year Award	2022	National Academy of Environmental Science, New Delhi
27.	Panelist in the Brainstorming Session on "Host-microbiome interaction in augmenting productivity of ruminants"	2022	DUVASU, Mathura
28.	Panelist in the Brainstorming Session on "Feeding Strategies in Ruminants for Healthy Milk and Green Environment"	2022	DUVASU, Mathura
29.	Panelist in the National Dialogue on Semen Biology For enhancing fertility	2022	DUVASU, Mathura
30.	Panelist in the Brainstorming under the aegis of on Milk vs Plant based dairy Analogues	2022	National Academy of Agricultural Sciences
31.	Dr DN Mullick Award	2022	Society of Animal Physiologists of India
32.	CCSEA Nominee	2021	Government of India
33.	Executive Member	2021	Indian Society for Buffalo Development
34.	Secretary, North Zone	2021	Animal Physiologists Association
35.	Best Paper Award	2021	Society of Veterinary Biochemists and Biotechnologists of India
36.	Appreciation Award	2021	Society of Veterinary Biochemists and Biotechnologists of India
37.	Appreciation award by Hon'ble Vice-Chancellor	2020	DUVASU, Mathura
38.	Rapporteur in the Indo-AustralianInternational Workshop	2020	ICAR-NIANP Bengaluru and University of Melbourne, Australia.
39.	Research paper with highest impact award	2019	Animal Physiologists Association
40.	Young Scientist Award	2013	Society of Animal Physiologists of India
41.	Best Paper/ Poster award	2014	Society of Veterinary Science and Biotechnology
42.	Best Poster Award	2016	Indian Poultry Science Association
43.	Acted as Rapporteur	2014,18,19	SAPI Conferences
44.	European Science Federation (ESF) Travel Award	2008	European Science Federation