

**Dr. Debashis Roy**

**1. Name & Designation:** Dr. Debashis Roy, Professor & Head

**2. Highest qualifications:** PhD

**3. Specialization/ Area of interest:** Animal Nutrition

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**5. Brief profile** debashisroy.vet@svpuat.edu.in



**a. Name & Designation:** Dr. Debashis Roy, Professor & Head

**b. Academic qualification**

Degree obtained	Institutions and Board /University studied	Year	Subject
B.V.Sc. & A.H.	West Bengal University of Animal & Fishery Sciences	2004	Veterinary & Animal Science
M.V.Sc.	National Dairy Research Institute, Karnal	2006	Mineral Nutrition
PhD	National Dairy Research Institute, Karnal	2009	Ruminant Nutrition
NET	Indian Council of Agricultural Research	2008	Animal Nutrition & Veterinary Physiology

**c. Professional position held:**

Designation	Period	University / Institution
Professor (Animal Nutrition)	27/07/2021 to till date	SVPUAT, Meerut, Uttar Pradesh
Associate Professor (Animal Nutrition)	27/07/2018 to 26/07/2021	SVPUAT, Meerut, Uttar Pradesh
Assistant Professor (Animal Nutrition)	25/05/2010 to 26/07/2018	DUVASU, Mathura, Uttar Pradesh
Deputy Manager (Animal Nutrition)	16/02/2009 to 24/05/2010	National Dairy Development Board (NDDB), Anand, Gujarat

**d. Number of publication along with ten best publications in APA format:**

Research papers in foreign and NAAS referred national journals	: 64
Review article in referred journals	: 10
Books	: 04
Book Chapters	: 10
Practical Manuals/training manuals	: 07
Lead Papers in conference proceedings	: 03
Popular articles and abstracts	: 79

**Ten best publications:**

- Roy, D.**, Mani, V., Kaur, H., & Kewalramani, N. (2008). Status of arsenic and mercury in different sources of water in Haryana. *Animal Nutrition and Feed Technology*, 8(2), 273-278.
- Roy, D.**, Tomar, S. K., Sirohi, S. K., Kumar, V., & Kumar, M. (2014). Efficacy of different essential oils in modulating rumen fermentation in vitro using buffalo rumen liquor. *Veterinary World*, 7(4), 213-218.
- Roy, D.**, Tomar, S. K., & Kumar, V. (2015). Rumen modulatory effect of thyme, clove and peppermint oils in vitro using buffalo rumen liquor. *Veterinary World*, 8(2), 203-207.

4. **Roy, D.**, Kumar, V., Kumar, M., Sirohi, R., Singh, Y., & Singh, J. K. (2016). Effect of feeding *Azolla pinnata* on growth performance, feed intake, nutrient digestibility and blood biochemical's of Hariana heifers fed on roughage based diet. *Indian J. Dairy Sci*, 69(2), 190-196.
5. Kumar, V., Puniya, M., & **Roy, D.** (2013). Ameliorative effect of lignosulfonate on monocrotophos intoxicated lactating goats. *Small Ruminant Research*, 113(2-3), 461-466.
6. Mishra, D. B., **Roy, D.**, Kumar, V., Bhattacharyya, A., Kumar, M., Kushwaha, R., & Vaswani, S. (2016). Effect of feeding azolla (*Azolla pinnata*) meal on the performance, nutrient utilization and carcass characteristics of Chabro chicken. *Indian Journal of Poultry Science*, 51(3), 259-263.
7. Keshri, A., **Roy, D.**, Kumar, V., Kumar, M., Kushwaha, R., Vaswani, S., Kotresh Prasad, C., Prakash, A., & Choudhury, S. (2021). Effect of chromium supplementation on rhythmic alterations in growth performance and nutrient utilization of growing cattle during heat stress. *Biological Rhythm Research*, 52(7), 1064-1072.
8. Singh, A. K., Kumar, M., Kumar, V., **Roy, D.**, Kushwaha, R., Vaswani, S., & Kumar, A. (2019). Feed utilization, blood metabolites and ingestive behavior in Sahiwal calves divergently selected for low and high residual feed intake. *Veterinarski arhiv*, 89(4), 481-503.
9. Gupta, P. K., Vaswani, S., Kumar, V., **Roy, D.**, Kumar, M., Kushwaha, R., Kumar, A., & Shukla, A. (2020). Investigations on modulating effect of vanadium supplementation on growth and metabolism through improved immune response, antioxidative profile and endocrine variables in haryana heifers. *Biological trace element research*, 194, 379-389.
10. Kumar, R., Sahu, D. S., Chandra, G., Yadav, S. P., Kumar, R., Ali, N., **Roy, D.**, & Maurya, P. S. (2022). Effect of Astaxanthin and Copper Supplementation on Growth, Immunity, Antioxidant, and Blood Biochemical Status of Growing Murrah Buffalo Heifers. *Biological Trace Element Research*, 200(12), 5052-5063.

#### e. Student guided/ Co- guided

Student	Guided (Number)	Co- guided (Number)
MVSc	09	24
PhD	02	03

#### f. Research project

No.	Name/ No. of Project/ Scheme	Funding Agency	Period From To	Position/ Role (PI/ Co-PI)
1.	Effect of supplementing Herbal Digestive Stimulant with Probiotics on <i>in vitro</i> rumen fermentation and performance of growing indigenous heifers	Indian Herbs Specialities Pvt Ltd	2017 to 2018	PI
2.	Effect of different sources of chromium on growth performance, nutrient utilization and blood biochemical in growing cattle	Institutional project	2015 to 2016	PI
3.	Establishment of Azolla Demonstration Unit of DUVASU, Mathura& Effect of Azolla Supplementation on the Performance of Growing Cattle	Institutional project	2012 to 2013	PI
4.	Establishment of Fish Seed Production unit of University	RKVY project	2010 to 2013	Co-PI
5.	Nutritional and Physiological Approaches for Enhancing Reproductive Performance in Cattle and Buffaloes	AICRP project	2016 to 2018	Co-PI
6.	Establishment of a demonstration unit of silage making and popularization of low cost silage technology for year round fodder availability for small scale farmers	RKVY project	2017 to 2018	Co-PI

7.	Studies on feasibility of distillery raw or biometanated spent wash as animal feeds supplement	Dhampur Sugar Mills, Bijnor	2014 to 2015	Co-PI
8.	Establishment of modernized Goat Farm for strengthening goat husbandry practices in state of Uttar Pradesh	RKVY project	2017 to 2018	Co-PI
9.	Institutional capacity building leading to accreditation of College of Veterinary and Animal Sciences, Meerut	ICAR (Under NAHEP innovation grant)	2020 to 2022	Co-PI
10.	Assessment of Macro and Micro Mineral Profile in blood and feeds of farm Animals	Institutional project	2012 to 2013	Co-PI
11.	Growth performance of cattle supplemented with fortified urea molasses mineral block fed on roughage based diet	Institutional project	2012 to 2014	Co-PI
12.	Effect of newer mode of nutrient supplementation on growth and nutrient utilization in growing cattle	Institutional project	2012 to 2013	Co-PI

#### g. Award/ Recognition

S. No.	Name and Year of Award/Medal/Fellowship/Scholarship	Awarding Institute/ body
1	Best Presentation Award in ANSICON, GADVASU, 2022	Animal Nutrition Society of India (ANSI)
2	Young Scientist Award, 2019	Society for World Environment, Food and Technology (SWEFT), New Delhi
3	ANSI Best Paper Award 2019 in XVIII Biennial International Conference (INCAN 2019), dated 17-19 Dec, 2019, WBUAFS, Kolkata.	Animal Nutrition Society of India (ANSI)
4	Best Oral Presentation Award in XVIII Biennial International Conference (INCAN 2019), dated 17-19 Dec, 2019, WBUAFS, Kolkata,	Animal Nutrition Society of India (ANSI)
5	IDA best paper award in 46 <sup>th</sup> Dairy industry conference, Kochi, Kerala, 8-10 Feb, 2018	Indian Dairy Association (IDA)
6	Best poster Award in XXXIV conference of IPISA, NIANP, Bengaluru, 28-30 Nov, 2017	Indian Poultry Science Association (IPSA)
7	Best Oral presentation in 2 <sup>nd</sup> IAVNAW Conference dated 19-21 September, 2013 held at Jammu.	IAVNAW, Bareilly, UP
8	National Institutional fellowship, 2006-2009	NDRI
9	Junior Research Fellowship (JRF). 2004-2006	ICAR
10	National merit scholarship, 2000	West Bengal Government