

DR. DESHPANDE KULDEEP YESHWANT

MVSc., Ph.D (Animal Nutrition)

Present Address:

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PERSONAL DETAILS

Date of Birth : September 30, 1980
Sex : Male
Nationality : Indian
Marital Status : Married

CAREER OBJECTIVES

- To establish Center of Excellence in Animal Nutrition with separate division for ruminants, non-ruminants, companion, captive animals and avian species at PGIVAS, Akola
- To establish Feed & Fodder Analysis Laboratory at PGIVAS, Akola
- To develop cutting edge feed technologies for adoption by native farmers

SUMMARY OF QUALIFICATIONS

Good exposure to Animal nutrition. Well versed with scientific feeding and management of dairy cattle and poultry. Thorough understanding of various *in vitro* techniques practiced in Animal Nutrition research. Derived prediction equations for estimation of methane production. Worked as Senior Research Fellow in emeritus scientist scheme, at Nuclear Research Lab., IVRI; Izatnagar. Worked as Extension specialist at KVK, Rajouri. Espoused out of box approaches to promote employment generation and capacity building of farmers and rural unemployed youth of border district Rajouri. Highly motivated, versatile and hardworking individual with demonstrated ability to learn new things quickly and deliver solutions in a dynamic, challenging and competitive environment. Strong leadership qualities and ability to work with minimum supervision under time and cost constraints.

EDUCATION

Degree	Institution	University	Year of Passing	OGPA
PhD	IVRI, Izatnagar	IVRI, Izatnagar	2012	8.1/10
M.V.Sc.	Madras Veterinary College.	TANUVAS, Chennai (TN)	2006	9.1/10
B.V.Sc. & A.H.	Nagpur Veterinary college,	MAFSU, Nagpur. (MS)	2003	7.58/10
HSSC	RLT Science College, Akola	MSBSHSE – Amravati Divisional Board (MS)	1998	70.17 %
SSC	Bharat Vidyalaya, Akola	MSBSHSE – Amravati Divisional Board (MS)	1996	71.06 %

DISTINCTION

- : M.V.Sc. admission, through the National **Junior Research Fellowship** conducted by ICAR 2003-2004, New Delhi – 110012
- : Recipient of PhD. Institute Fellowship, IVRI Izatnagar.
- : Qualified ICAR-NET 2008
- : Qualified Senior Research Fellowship (SRF) Examination conducted by ICAR in 2008 & 2009, New Delhi – 110012
- : Regular referee of
 - Indian Journal of Animal Sciences
 - Animal Nutrition & Feed Technology Journal
 - Tropical Animal Health & Production
 - International Journal of Agriculture and Agricultural Sciences
 - International Journal of Animal Research
 - International Journal of Livestock Research
 - Indian Journal of Animal Nutrition
- : Elected as an “**Executive Member**” of Animal Nutrition Association of India 2012-14
- : **Member of Editorial Board** of Livestock Research International Journal
- : **PhD recognized guide** in Subject of Animal Nutrition since 16th March, 2017.
- : Established **Feed/fodder analysis laboratory** facility at COVAS, Parbhani; where revenue generation through fees for analysis of samples started
- : Acted as coordinator for expenditure of Rs. 13.0 lakhs out of total grant of Rs. 19.0 lakhs under **DBT Star College Scheme** for development of infrastructure for UG/PG laboratory of Department of Animal Nutrition, COVAS, Parbhani for year 2018-2020.
- : Instrumental in development of Animal Nutrition Laboratory under ICAR 7.2 grants for 2018 through purchase of various laboratory equipments.

AWARDS

- Deshpande et.al., (2006).** “Evaluation of Homeopathic drugs as an alternative to Hormonal therapy in treatment of repeat breeding cows” Secured “**BEST PAPER AWARD**” in International Conference on Globalization of Traditional, Complementary and Alternative Systems of Medicine 2006 at TamilNadu Agricultural University, Coimbatore; OA 7, pp:4.
- Deshpande et.al., (2006).** Awarded with “**BEST PAPER AWARD**” “Prediction of Methane Production from Fodder in vitro.” at 6th biennial conference of Animal Nutrition Association of India on Strengthening Animal Nutrition Research for Food Security, Environment Protection and Poverty Alleviation; 15-17 September, 2006 at Jammu; 316, pp: 249.

BOOK CHAPTERS/ MANUAL/ SIGNIFICANT CONTRIBUTION

- Mehra, U. R. and **Deshpande K. Y.**, (2012). Nutrition and feeding aspects of using lingo-cellulosic materials as animal feed. In: Animal Nutrition - Advances and Developments. Eds: Mehra U.R., Singh P. and Verma A.K., Satish Serial Publishing House, Azadpur, New Delhi, India, pp: 419.
- Mishra, K. K., **Deshpande K. Y.** and Mishra S. K., (2012). Nutrition and Immunity. In: Animal Nutrition - Advances and Developments. Eds: Mehra U.R., Singh P. and Verma A.K., Satish Serial Publishing House, Azadpur, New Delhi, India, pp: 735.
- Sharma, K., Pattanaik, A.K. and **Deshpande K.Y.** (2012). Relevance and importance of Pasture-based Production system of Small Ruminants in India. In: Trends in Small Ruminant Production Perspectives and Prospects. Eds: Sahoo A., Sankhyan, S.K., Swarnkar, C.P.,

Shinde, A.K. and Karim, S.A., Satish Serial Publishing House, Azadpur, New Delhi, India, pp: 209-228.

Deshpande K.Y. (2017). "Gau Aahar", In: Deshi Govansh – Agrowon Krishi Dnyanmala, Sakal Publication. Eds: Amit Gadre, N.M. Markandeya, pp:75-90.

Deshpande K. Y. (2018). A book chapter entitled, "Goshaletil Aahar Vyavasthapan", by Dr. K.Y. Deshpande, was published in souvenir of "Gau-vidnyan Yadna" organized by Yoganand Saraswati Sanshtan, Gunj Khurd, Ta. Pathri, Dist. Parbhani from 6-7th January, 2018.

Received "**Certificate of appreciation**" from The President, Animal Nutrition Association for significant contribution in organizing ANA WORLD CONFERNECE – 2009 at NAAS Complex, New Delhi.

Significant contributions in preparation of Practical Manuals for VCI - UG Course No. ANN 211, ANN 212, ANN 221, and ANN 222 for Department of Animal Nutrition, College of Veterinary Sciences, Anjora, Durg.

Received "**Certificate of appreciation**" from The Commandant, 1 Advanced Field Veterinary Hospital, of Indian Army for delivering innovative lectures on Poultry Entrepreneurship Development to unemployed rural youth from border districts of Rajouri and Poonch.

SCIENTIFIC REPORT WRITING

Annual progress report of Emeritus Scientist Scheme to Dr. U.R. Mehra, entitled, "Assessment of new markers for the estimating the microbial protein synthesis in ruminants." 2006-07 and 2007-08.

Singh, S.B., Choudhary, P., Singh, A.P., Sinha, A.K. **Deshpande K.Y.** and Mahajan A., 2011. Annual progress report 2010-2011 of Krishi Vigyan Kendra, Rajouri, submitted to Directorate of Extension Education, Sher-e-Kashmir University of Agriculture Science & Technology – Jammu.

Sanjay Khar, Choudhary, P., Rakesh Sharma, **Deshpande K.Y.** Mahajan A. and Tariq Hussain, 2012, Annual progress report 2012-2013 of Krishi Vigyan Kendra, Rajouri, submitted to Directorate of Extension Education, Sher-e-Kashmir University of Agriculture Science & Technology – Jammu. 87 pp.

SHORT COURSES / TRAININGS UNDERWENT

- ✓ Partnering of KVKs/SAUs/ICAR institutes with NABARD's Initiatives for Rural Prosperity, from 06-09th September, 2010 at Banker's Institute for Rural Development, Lucknow.
- ✓ An Advanced short course on "Nutritional interventions for clean and green livestock production", from **03-23rd February**, 2011 at Center of Advanced Faculty Training (CAFT) in Animal Nutrition, Animal Nutrition Division, Indian Veterinary Research Institute, Izatnagar, Bareilly – 243 122.
- ✓ Innovative extension approaches for agricultural development, 28th March, 2011 at Directorate of Extension Education, Main Campus Chatha.
- ✓ Climate change and its impact on agriculture, 29th March, 2011 at Directorate of Extension Education, Main Campus Chatha.
- ✓ Draught mitigation strategies for sustainable crop production, 30th March, 2011 at Directorate of Extension Education, Main Campus Chatha.
- ✓ An Advanced short course on "Newer approaches for feed security and safety", from **09-29th February**, 2012 at Center of Advanced Faculty Training (CAFT) in Animal Nutrition, Animal Nutrition Division, Indian Veterinary Research Institute, Izatnagar, Bareilly – 243 122.

WORK EXPERIENCE

Senior Research Fellow in Nuclear Research lab, Animal Nutrition Division (September 2006 – June 2008)

Worked under ICAR project entitled "**Assessment of new markers to estimate microbial protein synthesis in ruminants**". Conducted Digestibility trials dairy cows and metabolic trials on sheep, crossbred cattle and buffalo calves to estimate species difference in excretion of purine derivatives. Well versed with animal and poultry management, sampling

and analytical techniques such as proximate analyses of feed and feces, gross energy, plasma separation in blood samples, estimation of **purine derivatives** in urine, milk and plasma (COLORIMETRY), estimation of nitrogen in feces, urine and milk samples.

Subject Matter Specialist (Animal Science), K.V.K., SKUAST-J, Rajouri (May 11th 2010 – to October 7th 2013 Pay scale 15600-39100 + AGP 6000/-)

- Organized camps for
 - Credit awareness
 - Veterinary Clinical cum Rural Aid
 - Poultry Entrepreneurship Development
 - Farmer's training
 - Vocational training
 - Demonstration of feed processing
 - Exposure visits
- Linkages established other than Line departments
 - NABARD, Jammu
 - J&K Lead bank, Rajouri
 - 1st Advanced Field Veterinary Hospital, Rajouri of Indian Army
 - District Industry Center, Rajouri
 - Employment Exchange, Rajouri
 - District Rural Development Agency, Rajouri
 - Jamola, Nehru Yuva Kendra, Rajouri
- ❖ Distributed **Vanraja chicks** to farmers interested to take up poultry farming as an venture and for promotion of **backyard poultry production** in district Rajouri
- ❖ Promotion of native Kangani breed of goats
- ❖ Regular provision of Animal Health check up and treatment of ailing animals of the farmers of district
- ❖ Conducted survey to arrive at package of practices for improving the standard of animal production in district Rajouri

DATA PROCESSING SKILLS

- ❖ Data processing techniques SPSS, & Excel
- ❖ Microsoft Office - 2003, 2005, 2007,2010
- ❖ Well acquainted with formulating linear regression equation. Also studied correlation of various independent variables with **methane production**.
- ❖ Scientific report writing

MASTER'S RESEARCH

The M.V.Sc. research was entitled as “**Evaluating the nutritive value of fodder to determine its methane emission**”. At the end of the project prediction equations for methane production was achieved

- Derived regression equations for prediction of methane production
- Derived a strategy to reduce methane production by feeding supplemental fodder

DOCTORAL RESEARCH

The PhD research was entitled, “**Nutritional evaluation of detoxified *Jatropha curcas* meal in sheep and dairy cattle**” with objectives:

- a) *To explore possibility of complete replacement of conventional protein source by detoxified *Jatropha curcas* meal in sheep ration.*
- b) *To assess the effect of feeding detoxified *Jatropha curcas* meal on nutrient utilization, lactation performance and milk quality in dairy cattle*

SPECIAL TECHNIQUES LEARNT AND WORKED ON

- ❖ *In vitro* gas production test (Hohenheim Gas Technique),
- ❖ *In vitro* digestibility test (Single staged Tilley & Terry technique)
- ❖ Rumen Simulation Technique (RUSITEC)
- ❖ HPLC, AAS, Colorimetry, GLC, Bomb Calorimeter
- ❖ Digestion and Metabolism trials in sheep and dairy cattle

MVSc. STUDENTS GUIDED AS MAJOR ADVISOR (Completed)

Sr.No.	Name	Reg.No.	Topic
1.	Chavan S.D.	14V04M	Assessment of cinnamon (<i>Cinnamomum cassia</i>) powder as phytobiotic growth promoter in broilers
2.	Phad T.S.	14V06M	Supplementation of black pepper (<i>Piper nigrum</i>) powder as growth promoter in broiler chicken
3.	More D.B.	14V05M	Performance of broiler chicken fed <i>Moringa oleifera</i> leaf meal supplemented diet
4.	Awhad R.S.	15V04M	Effect of dietary inclusion of guar (<i>Cyamopsis tetragonoloba</i>) korma meal on performance, gut health and litter attributes in broiler chicken
5.	Sutar P.A.	15V05M	Performance of broilers fed limiting amino acids with varied levels of crude protein
6.	Sonawane A.S.	16V08M	Substitution of concentrate mixture by hedge lucerne (<i>desmanthus virgatus</i>) in growing osmanabadi goats
7.	Rathod S.B.	16V06M	Evaluation of mulberry (<i>morus alba</i>) fodder based total mixed ration in growing osmanabadi goats
8.	Shelke P.R.	16V07M	Performance of red kandhari calves fed guar (<i>cyamopsis tetragonoloba</i>) korma meal replacing cotton seed cake in concentrate mixture
9.	Gholve A.U.	17V04M	Partial replacement of concentrate mixture by Shevri (<i>Sesbania sesban</i>) in growing Osmanabadi goats

RESEARCH ARTICLES

- Sonawane A.S., Deshpande K.Y., Rathod S.B., Shelke P.R., Nikam M.G. and Gholve A.U., (2019). Effect of feeding Hedge lucerne (*Desmanthus virgatus*) on intake, growth performance and body condition score in growing Osmanabadi goats. Accepted for August 2019 issue of *Indian Journal of Animal Sciences*.
- George, S.K., Dipu, M.T., Lalu, K., **Deshpande, K. Y.**, Verma, A. K., Mehra, U. R. and Singh, P. (2018). Purine derivatives – Marker for rumen microbial protein production. *Journal of Indian Veterinary Association, Kerala (JIVA)*, April (2018) 16 (1):01-14.
- Rakesh Sharma, Sanjay Khar, Punit Choudhary, Abhay Kumar Sinha and **K.Y. Deshpande, (2014)**. Constraints faced by the Wheat farmers in adoption of recommended practices in intermediate region of J&K. *Indian Journal of Social Research*, **55 (2) 353-360**.
- Mehra, U.R., Verma, A.K., **Deshpande, K. Y.** and Singh, P., (2013). Influence of dietary protein levels on urinary purine derivatives excretion in murrah buffaloes. *Indian Journal of Animal Science*, **83 (2): 143-45**.
- Deshpande, K.Y.**, Mehra, U.R., Singh, P., Ingale, S.L., Verma, A.K. and George, S.K., (2013). Urinary excretion of purine derivatives as influenced by GFR and plasma retention of purines in cattle (*Bos indicus* X *Bos taurus*) and buffalo (*Bubalus bubalis*) bulls. *Journal of Animal and Feed Sciences*, **22: 90-96**.
- Deshpande K. Y.**, Karunakaran R., Balakrishnan V. and Thirunavukkarassu M. (2013). Nutritional composition and *in vitro* gas production of commonly fed fodder to cattle in Tamilnadu, *Indian Veterinary Journal*, **90 (1): 35-37**.

- Deshpande, K.Y.**, Mehra, U.R., Singh, P. and Verma, A.K. (2012). Milk Allantoin Content as an Indicator to Assess Rumen Microbial Protein Synthesis. *Animal Nutrition and Feed Technology*, **12**: 229-239.
- Deshpande, K.Y.**, Mehra, U.R., Singh, P. and Verma, A.K. (2011). Purine derivatives concentration in body fluids as influenced by different energy levels in dairy cows. *Indian Journal of Animal Sciences*, **81** (12): 1244–1247.
- Kulkarni, R.C., Shrivastava, H.P., Mandal, A.B., Deo, C., **Deshpande, K.Y.**, Singh, R. and Bhanja, S.K. 2011. Assessment of growth performance, immune response and mineral retention in colour broilers as influenced by dietary iron. *Animal Nutrition and Feed Technology*, **11**: 81-90.
- Verma, A. K., Singh, P., **Deshpande, K. Y.**, Verma Vinay and Mehra, U. R. (2009). Influence of Levels of Protein Intake on Nutrient Utilization and Blood Parameters in Buffaloes Fed On Wheat Straw Based Diets. *Animal Nutrition and Feed Technology*, **9**:21-28.

PRESENTATIONS

1. **Deshpande K. Y. 2005**, Presented paper in IV convention and National Seminar conducted by Indian Society for Nuclear Technology in Animal Sciences on March 2005 at Madras Veterinary College, Chennai.
2. **Deshpande et.al 2006**, “Evaluating nutritive value of fodder to determine methane emission” Presented Poster in International conference on Advanced Veterinary Practice In Medicine And Surgery – Augmenting Health And Production 2006 at Madras Veterinary College, Chennai – 7 pp:90.
3. Ingale S. L., Singh P., Verma A. K., Mehra U. R. and **Deshpande K. Y. 2007**, Effect of plane of nutrition on growth and nutrient utilization of *Fasciola gigantica* infected crossbred calves. International Tropical Animal Nutrition Conference (TROPNUTRICON) held on 4th to 7th October at National Dairy Research Institute, Karnal, India. Pp: 8.
4. **Deshpande K. Y.**, Mehra U. R., Singh P., and Verma A. K. 2009. Urinary purine derivatives excretion in spot samples for estimating microbial protein synthesis and nutrient utilization in milch cattle. Extended abstract accepted for ANA World conference on “Animal Nutrition: Preparedness to Combat Challenges”, 14-17 February, 2009 at NASC complex, New Delhi, India 316, pp: 249. Animal Nutrition Association.
5. Patil S.S., Sharma K., Pattanaik A.K., Dutta N., Ravikanth K. and **Deshpande K.Y.**, 2009. Nutrient metabolism, growth and immune response in rats fed graded levels of detoxified *Jatropha curcas* meal. 13th Biennial conference of ANSI, December 17-19, NIANP, Bangalore, volume II, pp: 137.
6. **Deshpande et al.**, 2009. Nutritional composition and *in vitro* degradability of fodder. 13th Biennial conference of ANSI, December 17-19, NIANP, Bangalore, volume II, pp: 149.
7. **Deshpande et al.**, 2009. Assessment of factors influencing methane production from native fodder. 13th Biennial conference of ANSI, December 17-19, NIANP, Bangalore, volume II, pp: 43.
8. Kulkarni R.C., Shrivastava H.P., Mandal A.B., **Deshpande K.Y.**, Deo C. and Singh R., 2009. Appraisal of growth performance and serum mineral status in broiler chickens as influenced by dietary copper. 13th Biennial conference of ANSI, December 17-19, NIANP, Bangalore, volume II, pp: 245.
9. Kulkarni R.C., Shrivastava H.P., Mandal A.B., Deo C., **Deshpande K.Y.** and Singh R., 2009. Effect of dietary copper on carcass traits and immune response in broiler chickens. 13th Biennial conference of ANSI, December 17-19, NIANP, Bangalore, volume II, pp: 112.
10. Kulkarni R.C., Shrivastava H.P., Deo C., Mandal A.B., **Deshpande K.Y.** and Singh R., 2009. Effect of dietary copper on tibial morphometry, mineralization and mineral retention in broiler chickens. 13th Biennial conference of ANSI, December 17-19, NIANP, Bangalore, volume II, pp: 244.
11. Kulkarni R.C., Shrivastava H.P., **Deshpande K.Y.**, Mandal A.B., Deo C. and Singh R., 2009. Growth performance and serum mineral status in broiler chickens as influenced by

- dietary iron. 13th Biennial conference of ANSI, December 17-19, NIANP, Bangalore, volume II, pp: 243.
12. Kulkarni R.C., Shrivastava H.P., Singh R., Mandal A.B., **Deshpande K.Y.** and Deo C., 2009. Effect of dietary iron supplementation on carcass traits and immune response in broiler chickens. 13th Biennial conference of ANSI, December 17-19, NIANP, Bangalore, volume II, pp: 112.
 13. Kulkarni R.C., Shrivastava H.P., Deo C., **Deshpande K.Y.**, Singh R. and Mandal A.B., 2009. Tibial morphometry, mineralization and mineral retention in broiler chickens as influenced by dietary iron. 13th Biennial conference of ANSI, December 17-19, NIANP, Bangalore, volume II, pp: 242.
 14. **Deshpande et al.**, 2009. Purine derivative excretion and PDC index in dairy cows. 13th Biennial conference of ANSI, December 17-19, NIANP, Bangalore, volume II, pp: 49.
 15. **Deshpande et al.**, 2009. Influence of difference in GFR or plasma retention of purines on PD excretion in crossbred cattle and buffalo calves. 13th Biennial conference of ANSI, December 17-19, NIANP, Bangalore, volume II, pp: 49.
 16. **Deshpande et al.**, 2011. Effect of feeding higher levels of detoxified *Jatropha curcas* meal on the performance of hogget lambs. National Seminar on “Prospects and Retrospect of Small Ruminant and Rabbit Production: Contribution to Socio-economic Security”, ISSGPU, December, 7-9, 2011, Jodhpur, Souvenir cum Compendium, pp: 116-117.
 17. Patil, S.S., Sharma, K., Dutta, N., Pattanaik, A.K., **Deshpande K.Y.** and Narang, A., 2011. Carcass characteristics and meat quality of growing lambs fed detoxified *Jatropha* meal. National Seminar on “Prospects and Retrospect of Small Ruminant and Rabbit Production: Contribution to Socio-economic Security”, ISSGPU, December, 7-9, 2011, Jodhpur, Souvenir cum Compendium, pp: 143.
 18. **Deshpande et al.**, 2011. Milk allantoin secretion as an indicator to assess nutrient utilization in dairy cows. National Conference on “The Significance of Veterinary Nutrition for health and production of animals of Agro-ecological importance”, Souvenir cum Abstracts of 1st IAVNAW conference, September, 24-25, 2011 at Durg, Chattisgarh, India, pp: 115.
 19. **Deshpande, K.Y.**, Dutta, N., Pattanaik, A.K., Narang, A., and Sharma, K. 2012. Effect of feeding detoxified *Jatropha curcas* meal on the performance of crossbred milch cows. (Eds. Pattanaik, A.K., Dutta, N., Verma, A.K., Jadhav, S.E., Dhuria, R.K. and Chaudhary, L.C., 2012). ***Animal Nutrition Research Strategies for Food Security: Abstracts***. Proceedings of 8th Biennial Animal Nutrition Association Conference, November 28-30, 2012, Bikaner, India, 185 pp.
 20. **Deshpande, K.Y.**, Dutta, N., Sharma, K., Pattanaik, A.K., and Narang, A. 2012. Nutrient utilization and performance of hogget lambs fed detoxified *Jatropha curcas* meal at graded levels. (Eds. Pattanaik, A.K., Dutta, N., Verma, A.K., Jadhav, S.E., Dhuria, R.K. and Chaudhary, L.C., 2012). ***Animal Nutrition Research Strategies for Food Security: Abstracts***. Proceedings of 8th Biennial Animal Nutrition Association Conference, November 28-30, 2012, Bikaner, India, 186 pp.
 21. **Deshpande K.Y.**, Sanjay Khar, Punit Choudhary, and Rakesh Sharma 2012. Relevance to Revive Extensive Production System of Small Ruminants as a Sustainable Venture in Jammu & Kashmir. 2nd Jammu and Kashmir Agricultural Science Congress 15-17 December, 2012 SKUAST-Jammu. Pp: 327.
 22. Punit Choudhary, Rakesh Sharma, Sanjay Khar, **K.Y. Deshpande** and Amit Mahajan 2012. Prospects and potential of cultivating medicinal plants in Rajouri-an economic enterprise. 2nd Jammu and Kashmir Agricultural Science Congress 15-17 December, 2012 SKUAST-Jammu. Pp: 149.
 23. Sanjay Khar, Rakesh Sharma, Punit Choudhary and **K.Y. Deshpande** 2012. Comparison of energy of tillage systems in wheat production. 2nd Jammu and Kashmir Agricultural Science Congress 15-17 December, 2012 SKUAST-Jammu. Pp: 185.
 24. **Deshpande K.Y.**, Dutta N., Pattanaik A.K. and K. Sharma 2016. Assessment of Nutritional Status of Hogget Lambs Fed Detoxified *Jatropha curcas* meal. (Dutta N., Jadhav S.E., Kala

- A., Gopi M. and Ravi A. Eds. 2016). Newer Perspectives in Animal Nutrition Research for Augmenting Animal Productivity: Abstract Papers. Proceedings of 10th Biennial Animal Nutrition Association Conference, November 9-11, 2016, Tirupati, India, 333 pp.
25. More D.B., **Deshpande K.Y.**, Chavan S.D., Phad T.S., Ghorpade P.B., Chappalwar A.M. and S.R. Rajurkar 2016. Performance of broiler chicken fed *Moringa Oleifera* Leaf Meal supplemented diet. (Dutta N., Jadhav S.E., Kala A., Gopi M. and Ravi A. Eds. 2016). Newer Perspectives in Animal Nutrition Research for Augmenting Animal Productivity: Abstract Papers. Proceedings of 10th Biennial Animal Nutrition Association Conference, November 9-11, 2016, Tirupati, India, 153 pp.
 26. Phad T.S., **Deshpande K.Y.**, Chavan S.D., More D.B., Deshpande A.R., Dhumal M.V., Londhe S.V. and S.D. Deshpande 2016. Performance of broiler chicken on diet supplemented with Black Pepper (*Piper nigrum*) powder. (Dutta N., Jadhav S.E., Kala A., Gopi M. and Ravi A. Eds. 2016). Newer Perspectives in Animal Nutrition Research for Augmenting Animal Productivity: Abstract Papers. Proceedings of 10th Biennial Animal Nutrition Association Conference, November 9-11, 2016, Tirupati, India, 154 pp.
 27. Chavan S.D., **Deshpande K.Y.**, More D.B., Phad T.S., Rajurkar S.R., Dhumal M.V. and S.N. Rindhe 2016. Assessment of Cinnamon Powder as Phytobiotic Growth Promoter in Broilers. (Dutta N., Jadhav S.E., Kala A., Gopi M. and Ravi A. Eds. 2016). Newer Perspectives in Animal Nutrition Research for Augmenting Animal Productivity: Abstract Papers. Proceedings of 10th Biennial Animal Nutrition Association Conference, November 9-11, 2016, Tirupati, India, 235 pp.
 28. Sonawane A.S., **Deshpande K.Y.**, Rathod S.B., and P.R. Shelke 2017. Importance of bypass nutrients in high yielding dairy animals. Proceedings of MAHAVET Technical Summit 2017 on “Newer Perspectives in Veterinary Therapeutics and Animal Husbandry Practices for Betterment of Society” 5th, February 2017, Panchgani, India, 80 pp.
 29. Rathod S.B., **Deshpande K.Y.**, Sonawane A.S. and P.R. Shelke 2017. Optimizing nutrition for profitable poultry production. Proceedings of MAHAVET Technical Summit 2017 on “Newer Perspectives in Veterinary Therapeutics and Animal Husbandry Practices for Betterment of Society” 5th, February 2017, Panchgani, India, 86 pp.
 30. Shelke P.R., **Deshpande K.Y.**, Rathod S.B. and Sonawane A.S. 2017. Zero-grazing for profitable goat production. Proceedings of MAHAVET Technical Summit 2017 on “Newer Perspectives in Veterinary Therapeutics and Animal Husbandry Practices for Betterment of Society” 5th, February 2017, Panchgani, India, 88 pp.
 31. Sutar P.A., **K.Y. Deshpande***, R.S. Awhad and S.A. Amrutkar, 2018. Growth Performance and Carcass Traits in Broilers Fed Altered Dietary Protein Levels Supplemented with Limiting Amino Acid. Extended abstract published in XVII ANSI Biennial conference on “Nutritional Challenges for Raising Animal Productivity to improve farm economy”, 01-03 February, 2018 at Junagadh Agricultural University, Junagadh, Gujrat, India 316.
 32. Awhad R.S., K.Y. Deshpande*, P.A. Sutar, M.V. Dhumal, S.V. Londhe and S.A. Amrutkar, 2018. Effect of Dietary Inclusion of Guar (*Cyamopsis Tetragonoloba*) Korma Meal on Performance and Carcass Characteristics in Broiler Chicken. Extended abstract published in XVII ANSI Biennial conference on “Nutritional Challenges for Raising Animal Productivity to improve farm economy”, 01-03 February, 2018 at Junagadh Agricultural University, Junagadh, Gujrat, India 317.
 33. Rathod, S.B., **K.Y. Deshpande***, V.K. Munde, A.S. Sonawane, N.D. Naitam, A.U. Gholve and P.D. Sonale, (2018). Studies on blood parameter, Faecal egg count, immune response and body condition score of growing Osmanabadi goats fed Mulberry fodder (*Morus alba*) based total mixed ration. Extended abstract published in XI ANA Biennial conference on “Reorienting Animal Nutrition Research in the perspective of farmer welfare”, 19-21 November, 2018 at Bihar Animal Sciences University, Patna, Bihar, India.
 34. Rathod, S.B., **K.Y. Deshpande***, A. S. Sonawane and M.D. Kharwadkar, (2018). Effect of feeding Mulberry Fodder (*Morus alba*) based total mixed ration on intake, growth performance and economics in growing Osmanabadi goats. Extended abstract published in XI ANA Biennial conference on “Reorienting Animal Nutrition Research in the perspective

of farmer welfare”, 19-21 November, 2018 at Bihar Animal Sciences University, Patna, Bihar, India.

35. Sonawane, A.S., **K.Y. Deshpande***, V.K. Munde, S.B. Rathod, A.U. Gholve, P.D. Sonale and N.D. Naitam, (2018). Assessment of blood metabolite concentration, immune response and faecal egg count in Osmanabadi goats fed Hedge lucerne (*Desmanthus virgatus*) incorporated ration. Extended abstract published in XI ANA Biennial conference on “Reorienting Animal Nutrition Research in the perspective of farmer welfare”, 19-21 November, 2018 at Bihar Animal Sciences University, Patna, Bihar, India.
36. Sonawane, A.S., **K.Y. Deshpande***, S.A. Amrutkar, S.B. Rathod, (2018). Performance of Osmanabadi goats fed Hedge lucerne (*Desmanthus virgatus*) in ration. Extended abstract published in XI ANA Biennial conference on “Reorienting Animal Nutrition Research in the perspective of farmer welfare”, 19-21 November, 2018 at Bihar Animal Sciences University, Patna, Bihar, India.

INVITED LEAD PAPER

- Mehra U. R. and **Deshpande K.Y.** (Eds.). (2006). Nitrate and nitrite poisoning and urea toxicity in ruminants; aetiology and management” Presented paper in Advanced Short Course on Clinical Nutrition of Livestock and Pets – November 03-23, 2006; organized at IVRI, Izatnagar, India.
- Mehra, U. R. and **Deshpande K. Y.** (Eds.). (2007). Feed processing technology for improving Bioavailability of nutrients from Roughages. *Nutritional and Biotechnological Tools for Economic Livestock Production*. Centre of Advanced Studies in Animal Nutrition, Indian Veterinary Research Institute, Izatnagar, India.
- Mehra, U. R. and **Deshpande K. Y.** (Eds.). (2008), Strategic supplementation for enhancing livestock production. *Animal Nutrition for Better Productivity and Health*. Centre of Advanced Studies in Animal Nutrition, Indian Veterinary Research Institute, Izatnagar, India, 155 pp.
- Sharma K., Pattanaik A.K., Dutta N. and **Deshpande K. Y.**, (2009). New perspectives on the use of futuristic feed resources and supplements to improve ruminant nutrition. 13th Biennial Conference of ANSI, December 17-19, NIANP, Bangalore, volume I, pp: 98-105.
- Deshpande, K.Y.**, Awhad, R.S., Mali, A.B. and Sonegaonkar A.D. (2017). Precision Animal Nutrition for Optimum Livestock Production. MAHAVET Technical Summit 2017 on “Newer Perspectives in Veterinary Therapeutics and Animal Husbandry Practices for Betterment of Society” at Panchgani, 05th February, 2017, pp.52.

INVITED PRACTICAL DEMONSTRATIONS

- Singh P., R. K. Mishra and **K. Y. Deshpande** (Eds.). (2008). Estimation of oxalic acid in feed samples. *Animal Nutrition for Better Productivity and Health*. Centre of Advanced Studies in Animal Nutrition, Indian Veterinary Research Institute, Izatnagar, India, 182 pp.
- Singh P., **K. Y. Deshpande** and R. K. Mishra (Eds.). (2008). Estimation of nitrate and nitrite in green forages. *Animal Nutrition for Better Productivity and Health*. Centre of Advanced Studies in Animal Nutrition, Indian Veterinary Research Institute, Izatnagar, India, 185 pp.
- Verma A. K. and **K. Y. Deshpande** (Eds.). (2008). Colorimetric estimation of allantoin in urine/blood samples. *Animal Nutrition for Better Productivity and Health*. Centre of Advanced Studies in Animal Nutrition, Indian Veterinary Research Institute, Izatnagar, India, 187 pp.
- Verma A. K. and **K. Y. Deshpande** (Eds.). (2008). Estimation of uric acid in urine/blood samples. *Animal Nutrition for Better Productivity and Health*. Centre of Advanced Studies in Animal Nutrition, Indian Veterinary Research Institute, Izatnagar, India, 194 pp.
- Verma A. K. and **K. Y. Deshpande** (Eds.). (2008). Estimation of urea, uric acid and creatinine in blood and urine samples. *Nutritional Strategies for Sustainable and Green Livestock*

Production. Centre of Advanced Studies in Animal Nutrition, Indian Veterinary Research Institute, Izatnagar, India, 186 pp.

REVIEW AND POPULAR ARTICLES

English

1. Patil, S.S., Kore, K.B., Mirajkar, P.P. and **Deshpande K.Y.**, 2009. Methane as greenhouse gas and approaches for reduction of enteric methane production. *Livestock line* 3(3): 37-40.
2. Pandey, H.O., **Deshpande K.Y.** and Singh, V.K., 2009. Economic Losses in Bovine Mastitis. *Dairy planner*, 5(7): 21-22.
3. Patil, S.S., Kore, K.B., Mirajkar, P.P., **Deshpande K.Y.** and Patil P.S., 2009. Swine flu – An Emerging Zoonotic Threat to Humans. *Pashudhan*, 35 (6): 1.

HINDI

1. Patil, S.S., **Deshpande, K.Y.**, Singh, B., Chethan, K.P. and Rajmani, R.S., 2009. Pashuome oxytocin hormone ka karya upyogita or prabhav, *Dairy Planner*, 5(7): 29.
2. Patil, S.S., Kore, K.B. and **Deshpande, K.Y.**, 2009. Pahuome Santoolit aahar or upyogita, *Dairy Planner*, 5(7): 30-31.
3. Patil, S.S. and **Deshpande, K.Y.**, 2009. Thanela Se barbad hota Pashudhan evam uski Roktham, *Dairy Planner*, 5(7): 27-28.

MARATHI

1. Patil, S.S., **Deshpande, K.Y.**, Patil, P.S. and Palampalli, A.Z., 2009. Janavaranmadhil Charmarog va upcharvidhi, *Sunrise*, 6(4): 27-28.
2. Patil, S.S., **Deshpande, K.Y.**, Patil, P.S. and Palampalli, A.Z., 2009. Pashudhanache Standahane honare Nuksan va tyache niyantran, *Sunrise*, 6(4): 48-50.
3. Patil, S.S., **Deshpande, K.Y.**, Patil, P.S. and Palampalli, A.Z., 2009. Janavaranmadhe swachha doodh utpadanachi garaj va vyavasthapan, *Shetimitra (Vidnyan Pustika)*, Aug: 22-23.

TV/RADIO TALKS

- ❖ Talk on “Dushkal Pravan Bhagamadhe Charyache Vyavasthapan” at Sahyadri Channel of Doordarshan Worli, Mumbai broadcasted on 12.02.2019
- ❖ Phone in question answer program on “Dushkalamadhe Chara Vyavasthapan” at Aakashwani Parbhani, telecasted on 27.03.2019

EXTRACURRICULAR ACTIVITIES

- ❖ Awarded with N.C.C. “C” certificate at 4 Maharashtra Naval Unit, Nagpur in March 2003.
- ❖ Participated in “National Service Scheme Special Campaign” held at post Bahadma, Dist. Nagpur from 22.12.2002 to 31.12.2002
- ❖ Represented MAFSU in “MalKhamb” at State and National level.

LIFE MEMEBERSHIP

- Maharashtra State Veterinary Council, Nagpur
- Veterinary Council of India, New Delhi
- Animal Nutrition Society of India, NDRI Karnal
- Animal Nutrition Association, IVRI, Izatnagar
- Federation of Veterinary Nutrition & Animal Welfare, IVRI, Izatnagar
- Alumni Association of Nagpur Veterinary College, Nagpur
- Alumni Association of Madras Veterinary College, Chennai
- Alumni Association of Indian Veterinary Research Institute, Izatnagar, Bareilly
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CERTIFICATION

I, the undersigned, certify to the best of my knowledge and belief, this biodata correctly describes me, my qualifications and my experience.

Kuldeep Y. Deshpande