

CURRICULAM VITAE

Dr. Tara Bothra (RSVC No.2680/2000)
B.V.Sc. & A.H., M.V.Sc. (JRF Fellow), PGDAEM,
Ph.D.
Senior Assistant Professor,
Department of Livestock Production Management
CVAS,RAJUVAS, Bikaner



ACADEMIC QUALIFICATION

S.No.	Examination	Board/University	Year of Passing	Division	Percentage / OGPA
1	Secondary	Raj. Board, Ajmer	1991	1 st	85%
2	S. Sc. (12 th)	Raj. Board, Ajmer	1993	1 st	79%
3	B.V. Sc. & A.H.	Raj. Agricultural University, Bikaner	1999	1 st (3 rd rank in University)	72.80
4	M.V.Sc.	College of Veterinary & Animal Science, G.B. Pant University of Agriculture & Tech. Pantnagar – Uttranchal	2001-2002	1 st	8.5
5	JRF	ICAR, New Delhi	2000	29th Rank	-
6	NET	ICAR, New Delhi	2007	-	Selected
7	PGDAEM (One Year)	National Institute of Agricultural Extension Management, Hyderabad	2013	1 st	-
8	Ph.D	Rajasthan University of Veterinary and Animal Sciences, Bikaner	2018	-	8.3

PROFESSIONAL EXPERIENCE

Name of the Employer	Post Held	Experience in Years	Nature of Duty
Dean, Apollo College of Veterinary Medicine Jaipur	Assistant Professor ,LPM	10-02-2003 To 31-10-2003	Teaching, Research & Extension
DIRECTOR , Govt. of Raj.- Animal Husbandry Department	Veterinary Officer, Jalore	12-02-2004 To 29-02-2008	Animal Health Care & Management & Implementation of Gov. Scheme

DIRECTOR , Govt. of Raj.- Animal Husbandry Department	Veterinary Officer,, Ajmer	28-03-2008 To 23-07-2014	Animal Health Care & Management & Implementation of Gov. Scheme
Dean, College of Veterinary and Animal Science, Bikaner	Assistant Professor	24-07-2014 To till date	Teaching, Research & Extension

PAPER PUBLISHED (NATIONAL)

PAPER PUBLISHED (NATIONAL AND INTERNATIONAL)

1. **Tara Bothra** and UK, Atheya (2002) Effect of thermal humidity index on production of rabbit. Presented in "International Symposium on Livestock Production System for sustainable food security and livelihoods in mountain area at GBPUAT, Pantnagar, Uttaranchal from Dec. 30-1, 2002.
2. Kumar, S., Choudhary, R.S., Gujrathi, P.G., Jain, D. and Bothra, T. (2016). Effects of Feeding Probiotics and Virginiamycin on Body Weight Gain of Broiler Chicks; *Veterinary Practitioner*; 17(2): 284-285.
3. Umesh Kumar Prajapat, **Dinesh Jain**, R.K. Dhuria, T. Sharma, Tara Bothra, R. Nehra and Mangesh Kumar (2018). "Effect of dietary supplementation of tulsi (*Ocimum sanctum*) leaf powder and fenugreek (*Trigonella foenum-graecum* L.) Seed powder on growth performance in broilers. *Veterinary Practitioner*, 19 (1) 144:146
4. **D. Jain**, R.K. Dhuria, T. Sharma and T. Bothra (2018). Phytochemical analysis of ethyl acetate extract of *Tinospora cordifolia* by mass spectrometry. *International Journal of Chemical Studies*, 6(2):2336-2340.
5. T. Bothra, Vijay Kumar, S.C. Goswami, A.K. Patel, H.K. Narula and **D. Jain** (2018). Proximate composition of commonly available feed and fodder at ARC-CSWRI, Bikaner. *International Journal of Chemical Studies*, 6(2): 2031-2032.
6. Umesh Kumar Prajapat, **D. Jain**, T. Sharma, R.K. Dhuria, Tara Bothra, R. Nehra, Mangesh Kumar, Subhash Kumar and S.S. Siyag (2019). Effect of dietary supplementation of Tulsi (*Ocimum sanctum*) leaf powder and Fenugreek (*Trigonella foenum-graceum* L.) seed powder on performance index, dry matter digestibility and N-balance of heat stressed broilers in arid zone. *Veterinary practitioner*, 20 (2): 258-287.
7. Umesh Kumar Prajapat, **D. Jain**, T. Sharma, R.K. Dhuria, Tara Bothra, R. Nehra, Mangesh Kumar, Subhash Kumar and S.S. Siyag (2020). Effect of supplementation of Tulsi (*Ocimum sanctum*) and Fenugreek (*Trigonella foenum-graceum* L.) on liveability and economics of heat stressed broilers in arid zone of Rajasthan. *Veterinary practitioner*, 21(1): 149-151.
8. S.S. Siyag, **D. Jain**, Tara Bothra, T. Sharma, R. K. Dhuria, R. Nehra, Umesh Kumar Prajapat and Mangesh Kumar (2019). Effect of Dietary Supplementation of Chromium from Different Sources on hematobiochemical parameters in broilers. *Veterinary practitioner*, 20(2): 271-272.
9. Subhash Kumar, **D. Jain**, Tara Bothra, T. Sharma, R. K. Dhuria, R. Nehra, Umesh Kumar Prajapat, S.S. Siyag and Mangesh Kumar (2018). Effect of phytase supplementation in maize–soybean based feed on different growth parameters of broilers. *Veterinary practitioner*, 2020. 21(1): (**Accepted-VP/2018/2666 05.07.2018**).
10. S.S. Siyag, **D. Jain**, Tara Bothra, T. Sharma, R. K. Dhuria, R. Nehra, Umesh Kumar Prajapat and Mangesh Kumar (2019). Effect of Chromium Supplementation from Different Sources on comparative economics in broilers. *Veterinary practitioner*, 2019. 20 (1): (**Accepted-VP/2018/2665 05.07.2018**)

11. Subhash Kumar, **D. Jain**, Tara Bothra, T. Sharma, R. Nehra, Umesh Kumar Prajapat, S.S. Siyag and Mangesh Kumar (2019). Effect of different levels of phytase in maize–soybean based feed on hematobiochemical parameters in broilers. *Veterinary practitioner*, 2019. 20 (2):
12. Subhash Kumar, **D. Jain**, Tara Bothra, T. Sharma, R. K. Dhuria, R. Nehra, Umesh Kumar Prajapat, S.S. Siyag and Mangesh Kumar (2018). Effect of phytase supplementation in maize–soybean based feed on comparative economy for broilers production. *International Journal of Chemical Studies* 2018. 6 (4):523-524
13. Subhash Kumar, **D. Jain**, Tara Bothra, T. Sharma, R. K. Dhuria, R. Nehra, Umesh Kumar Prajapat, S.S. Siyag and Mangesh Kumar (2018). Effect of phytase supplementation in maize–soybean based feed on tibia bone characteristic of broiler chickens. . *International Journal of Chemical Studies*. 2018 6 (4):561-562
14. S.S. Siyag, **D. Jain**, Tara Bothra, T. Sharma, R. K. Dhuria, R. Nehra, Umesh Kumar Prajapat and Mangesh Kumar (2018). Effect of Chromium Supplementation from Different Sources on Performance of Broilers. *International Journal of Chemical Studies*. 2018 6 (4):549-554
15. **D. Jain**, R.K. Dhuria, T. Sharma and T. Bothra (2018). Effect of supplementation of *Tinospora cordifolia* (at graded levels) and ascorbic acid either alone or in combinations on tibial bone characteristic of broiler chicken. *Veterinary practitioner*, 2019. 20(1): 121-123.
16. T. Bothra, A.K. Patel, Vijay Kumar, S.C. Goswami, H.K. Narula and D. Jain (2018). Effect of Nutrition and Shelter on haemoglobin and Packed Cell Volume of Magra lambs in two lambing seasons under arid zone *Veterinary practitioner*, 2019. 20(1): 127-129.
17. **D. Jain**, R.K. Dhuria, T. Sharma, Tara Bothra and Umesh Kumar Prajapat (2020). Effect of supplementation of *Tinospora cordifolia* (Thunb.) Miers and ascorbic acid either alone or in combinations on serum protein profile and AG ratio of broiler chickens. *Journal of Entomology and Zoology Studies*, 8(2): 1760-1763.
18. T Bothra, AK Patel, Vijay Kumar, D Jain, Nirmala Saini and Umesh Kumar Prajapat. Effect of improved nutrition and improved shelter on growth performance of Magra lambs in two lambing seasons under arid zone. *Journal of Entomology and Zoology Studies* 2020; 8(3): 397-402
19. P Kumari, T Bothra, HK Narula, D Jain, AS Dewna and Umesh Kumar Prajapat. Effect of giloy (*Tinospora cordifolia*) and neem (*Azadirachta indica*) on growth performance of Marwari lambs under arid zone. *Journal of Entomology and Zoology Studies* 2020; 8(3): 849-852
20. P Kumari, T Bothra, HK Narula, D Jain, AS Dewna and Umesh Kumar Prajapat. Effect of Giloy (*Tinospora cordifolia*) and Neem (*Azadirachta indica*) on physiological parameters of Marwari lambs under arid zone. *International Journal of Chemical Studies* 2020; 8(3): 2253-2255
21. T. Bothra, A. K. Patel, Vijay Kumar, Dinesh Jain, Nirmala saini and Umesh Kumar Prajapat (2020). Effect of improved shelter and improved nutrition on wool yield and wool quality of magra lambs in two lambing seasons under arid zone” *International Journal of Livestock Research*. Vol. 10 (7) July’2020:110-117
22. T. Bothra, A.K. Patel, Vijay Kumar, S.C. Goswami, H.K. Narula, D. Jain and Mangesh Kumar. Effect of improved nutrition and improved shelter on serum Proteins of magra lambs in two lambing seasons under arid zone. *Veterinary Practitioner* Vol. 20 No. 2 , December 2019
23. D. Jain, R.K. Dhuria, T. Sharma, T. Bothra and Mangesh Kumar. Effect of supplementation of *tinospora cordifolia* (at graded Levels) and ascorbic acid either alone or in combinations on Haemoglobin and erythrogram of broiler chickens. *Veterinary Practitioner* Vol. 20 No. 2, December 2019
24. D. Jain, R.K. Dhuria, T. Sharma, Tara Bothra and Umesh Kumar Prajapat (2020). Effect of *Tinospora cordifolia* and Ascorbic acid supplementation on biochemical parameters of broiler chickens. *International Journal of Livestock Research*. 10 (9): 25-30
25. T. Bothra, A. K. Patel, Vijay Kumar, Dinesh Jain, Nirmala saini and Umesh Kumar Prajapat (2020). Effect of improved shelter and improved nutrition on wool yield and wool quality of

- magra lambs in two lambing seasons under arid zone” International Journal of Livestock Research. 10(7):110-117.
26. T. Bothra, A. K. Patel, Vijay Kumar, Dinesh Jain, H. K Narula and Umesh Kumar Prajapat (2020). Effect of improved shelter and nutrition on pulse rate of Magra lambs in two lambing seasons under arid zone. International Journal of Livestock Research , Vol. 10 (9) Sep’2020: 62-67
 27. P. Kumari, T. Bothra, H. K Narula, Vijay Kumar, D. Jain, and A.S. Dewna (2020). Effect of Giloy (*Tinospora cordifolia*) and Neem (*Azadirachta indica*) on sero-biochemical parameters of Marwari lambs under arid zone. International Journal of Livestock Research, 10 (12): 99-104.
 28. T Bothra^{1*}, AK Patel², Vijay Kumar, HK Narula and D Jain. Effect of improved nutrition and shelter on milk yield of magra ewes in two different lambing seasons *Ruminant Science* 2021; 10 (1) 95-100
 29. Anamika Sharma, Vijay Kumar, Arun Kumar Jhirwal, Subhash Chander Goswami, Tara Bothara and Vikramjit Singh (2022). Effect of Dietary Supplementation of Tulsi (*Ocimum sanctum*) and Moringa (*Moringa oleifera*) Leaf Powder Along with Different Bedding Materials on Carcass Characteristics of Japanese Quail in Arid Region of Rajasthan. Journal of Animal Research, 12(1): 47-53.
 30. D. Jain, R. K. Dhuria, T. Sharma and T. Bothra (2023). Effect of Supplementation of *Tinospora cordifolia* (at Graded Levels) and Ascorbic Acid on Nutrient Metabolizability and Feed Passage Rate of Broiler Chickens. International Journal of Bio-Resource and Stress Management, 14 (2):291-297.
 31. Poonia, N.K., Kumar, V., Bothra, T. and Choudhary, G. (2022). Interaction Effect of Dietary Supplementation of Giloy Herb and Ascorbic acid with Different Bedding Materials on Fortnight Body Weight and Gain of Japanese Quail during Growth Period. J. Anim. Res., 12(05): 757-763.
 32. P Kumari, AS Dewna, T Bothra and R Panwar Effect of giloy (*Tinospora cordifolia*) and neem (*Azadirachta indica*) on gastrointestinal parasites and wool yield of Marwari lambs under arid zone International Journal of Veterinary Sciences and Animal Husbandry 2024; SP-9(1): 196-198
 33. P Kumari, T Bothra, Basant Bais, D Jain, Rajni Arora and Sita Ram Gupta Marketing and pricing pattern of milk and milk products in different agroclimatic zones of Rajasthan International Journal of Agriculture Extension and Social Development 2024; SP-7(2): 85-87
 34. Dinesh jain, Tara bothra, Dinesh Aacharya, Gayatri kumawat*, Umesh kumar prajapat and Bharat lal meena Trend of market price of dry fodder in north-western india Forage Res., 49(4) : pp. 493-497 (2024)

ABSTRACT IN CONFERENCE/SYMPOSIA

1. Vaishali Mittal, Mahesh Kumar and **Tara Bothra** (2002) Epidemiological pattern of disease in and around Pantnagar. Presented in "Indian Association of Veterinary Public Health in New Millennium, opportunity & challenges at GBPUAT, Pantnagar from 28-29 Nov. 2002

2. Kalaria, R.K., Jain, Dinesh, Bothra, T., Nehra, R., Limba, A.K., and Sharma, T. (2015). To optimise the profits by the way of using phytase in poultry diet. National Seminar on “Translational Research in Biotechnology for Improving Animal Health and Production & 3rd Annual Meeting of Society for Veterinary society and Biotechnonogy from Oct. 7-8, 2015 held at CVAS, RAJUVAS, Bikaner. PP:148
3. Limba, A.K., Jain, Dinesh, Bothra,T., Nehra, R., Kalaria, R.K. and Sharma, T. (2015). Need of Phyto-genics: An alternative concept of antibiotic growth promoters. National Seminar on “Translational Research in Biotechnology for Improving Animal Health and Production & 3rd Annual Meeting of Society for Veterinary society and Biotechnonogy from Oct. 7-8, 2015 held at CVAS, RAJUVAS, Bikaner.. PP:129
4. Nehra, R., Sharma, T., Dhuria,R.K., Jain, Dinesh and Bothra, T. (2015). Effect of Live Yeast Culture Supplementation on Nutrient Utilization in Goats Fed Clusterbean Straw Based Complete Feed Blocks. Proc. 9th Biennial ANA Conference on Animal Nutrition Eco-Responsive Feeding and Nutrition : Linking Livestock and Livelihood organized by Animal Nutrition Association, IVRI, Izatnagar & Assam Agricultural University, Guwahati from 22-24, January, 2015. P: 70
5. Prajapat, U.K., Jain, Dinesh, Bothra, T., Nehra, R., Limba, A.K., Kalaria, R.K. and Sharma, T. (2015). Protect your Research: By Securing IPR. National Seminar on “Translational Research in Biotechnology for Improving Animal Health and Production” & 3rd Annual Meeting of Society for Veterinary society and Biotechnonogy from Oct. 7-8, 2015 held at CVAS, RAJUVAS, Bikaner. PP:66
6. Bothra, T., Jain, D., Sharma, T., Nehra, R. and Limba, A.K. (2015). Gross Examination of locally Available Common Grains Used for Livestock Feeding in and Around Bikaner. Proc. 9th Biennial ANA Conference on Animal Nutrition Eco-Responsive Feeding and Nutrition : Linking Livestock and Livelihood organized by Animal Nutrition Association, IVRI, Izatnagar & Assam Agricultural University, Guwahati from 22-24, January, 2015. P: 133
7. Jain,D., Bothra,T., Prajapat, U.K. and Kumar, Mangesh (2016). Need of area specific mineral mixture to optimize productivity of animal. National Seminar on “Agriculture Resource management for sustainability and eco-restoration”, Organized by ICAR-central Institute for arid horticulture, Biikaner,from11-13, March2016
8. Bothra,T., Jain,D., and Prajapat, U.K.(2016).Interaction climate vs. livestock. National Seminar on “Agriculture Resource management for sustainability and eco-restoration”, Organized by ICAR-central Institute for arid horticulture, Biikaner,from11-13, March2016
9. Jain, D., Bothra, T., Prajapat, U.K., Kumar, S., G. Anandraj, Dhuria, R.K. and Sharma, T. (2016). Nutritional Evaluation of Locally Available Deoiled Rice Bran used for Poultry Feeding in and Around Ajmer. Xth Biennial ANA Conference (ANACON- 2016) on Newer Perspectives in Animal Nutrition Research for Augmenting Animal Productivity on November 9-11, 2016 at College of Veterinary Science, Sri Venkateswara Veterinary University, Tirupati, Andhra Pradesh, India.
10. Bothra, T., Jain, D., Prajapat, U.K., Shringi, R., Choudhary, G., Poonia,N.K. and Sharma, T. (2016). Nutritional Value of Common Feeds of Arid Zone of Bikaner District of Rajasthan. Xth Biennial ANA Conference (ANACON- 2016) on Newer Perspectives in Animal Nutrition Research for Augmenting Animal Productivity on November 9-11, 2016 at College of Veterinary Science, Sri Venkateswara Veterinary University, Tirupati, Andhra Pradesh, India.
11. Prajapat, U.K., Jain, D., Bothra, T., Kumari, R., Kumar, M., Siyag, S.S. and Sharma, T. (2016). Nutritional Evaluation of Locally Available Cattle Feed used for Livestock Feeding in and Around Bikaner. Xth Biennial ANA Conference (ANACON- 2016) on Newer Perspectives in Animal Nutrition Research for Augmenting Animal Productivity on

November 9-11, 2016 at College of Veterinary Science, Sri Venkateswara Veterinary University, Tirupati, Andhra Pradesh, India.

12. Jain, D., Bothra, T., Prajapat, U.K., Kumar, S., Anandraj G., Dhuria, R.K. and Sharma, T. (2016). Brucellosis: An emerging zoonotic disease. XIV Annual Conference of Indian Association of Veterinary Public Health Specialists & National Symposium on Innovative Approaches to Promote Food Safety and Reduce the Risk of Zoonotic diseases in context of climate changes organized by Department of Veterinary Public Health & Epidemiology, C.V.A.S., Navania, Udaipur, From 21-22 December 2016.
13. Prajapat, U.K., Jain, D., Bothra, T., Kumar, M., Siyag, S.S., and Sharma, T. (2016). Protection from zoonotic diseases. XIV Annual Conference of Indian Association of Veterinary Public Health Specialists & National Symposium on Innovative Approaches to Promote Food Safety and Reduce the Risk of Zoonotic diseases in context of climate changes organized by Department of Veterinary Public Health & Epidemiology, C.V.A.S., Navania, Udaipur, From 21-22 December 2016.
14. Dinesh jain, T. Bothra, R. Umesh Kumar Prajapat, Mangesh Kumar, T. Sharma (2017). Promising Health Benefits of Sheep Milk. National Seminar on “Improvement of Small Ruminant Production System for Livelihood Security” to be held at ICAR-CSWRI, Avikanagar, Rajasthan, India during March 09- 10, 2017.
15. T. Bothra, D. Jain, N.K. Poonia, S.S. Siyag, G. Choudhary, Subhash kumar and Anandaraj G. (2017). Mitigation of heat stress in sustainable Sheep farming in arid zone. National Seminar on “Improvement of Small Ruminant Production System for Livelihood Security” to be held at ICAR-CSWRI, Avikanagar, Rajasthan, India during March 09- 10, 2017.
16. T. Bothra and D. Jain (2017). Save our Lamb Crop. National Seminar on “Improvement of Small Ruminant Production System for Livelihood Security” to be held at ICAR-CSWRI, Avikanagar, Rajasthan, India during March 09- 10, 2017.
17. D. Jain and T. Bothra (2017). Panchgavya: A Unique approach towards animal health. National symposium on Livestock resource management under changing climate scenario from 17-19th May 2017 Organized by Division of Livestock Production and Management Faculty of Veterinary Sciences and Animal Husbandry Shuhama, Alusteng, Srinagar-190006, SKUAST-K.
18. D. Jain, T. Bothra, B.N.Shringi, Indu Vyas and Rajani Joshi. Needs of smallholder dairy farmers regarding feeding practices in Khajuwala block of district Bikaner. XVII biennial animal nutrition conference on nutritional challenges for raising animal productivity to improve farm economy to be held at Junagadh agriculture university, Junagadh animal nutrition society of India during February 1-3, 2018 PP-99.
19. T. Bothra, D. Jain, B.N. Shringi, Rajani Joshi, and Indu Vyas. Popularization of densification of dry roughage. XVII biennial animal nutrition conference on nutritional challenges for raising animal productivity to improve farm economy to be held at Junagadh agriculture university, Junagadh animal nutrition society of India during February 1-3, 2018 PP-346.
20. Umesh Kumar Prajapat, Dinesh Jain, T. Sharma, R.K. Dhuria, Tara Bothra and Mangesh Kumar. Effect of supplementation of *Ocimum sanctum* (Tulsi) and *Trigonellafoenum-graecum* L. (Fenugreek) on economics of broiler production. XVII biennial animal nutrition conference on nutritional challenges for raising animal productivity to improve farm economy to be held at Junagadh agriculture university, Junagadh animal nutrition society of India during February 1-3, 2018 PP-227
21. Dinesh Jain, Rajesh Kumar Dhuria, Tribhuwan Sharma, Tara Bothra and Umesh Kumar Prajapat. Comparative Economics of Broiler Rearing by Supplementation of Geloi herb (*Tinospora cordifolia*) and Ascorbic Acid in arid zone of Rajasthan. 27th Annual Convention of Indian Society of Animal Production and Management & National conference on “Paradigm Shift In Livestock Management To Obtain High Quality Animal Products For

- Enhancing Farm Economy And Entrepreneurship” Organized by Post-Graduate Institute Of Veterinary Education And Research, Jaipur (Rajasthan University of Veterinary and Animal Sciences, Bikaner) held at, Jaipur from 4-6 February 2020 (3 days), PP-68.
22. Tara Bothra, Ashutosh Kumar Patel, Vijay Kumar, Subhash C. Goswami, Harvidra kumar Narula and Dinesh Jain. Effect of Improved Shelter and Improved Nutrition on Wool Yield and Wool Quality of Magra Lambs in Two Lambing Season Under Arid Zone. 27th Annual Convention of Indian Society of Animal Production and Management & National conference on “Paradigm Shift In Livestock Management To Obtain High Quality Animal Products For Enhancing Farm Economy And Entrepreneurship” Organized by Post-Graduate Institute Of Veterinary Education And Research, Jaipur (Rajasthan University of Veterinary and Animal Sciences, Bikaner) held at, Jaipur from 4-6 February 2020 (3 days), PP-61. (Oral)
 23. Priyanka Kumari, Tara Bothra, Vijay Kumar, H. K. Narula, Dinesh Jain and Ajay Kumar Dewna. Effect of Giloy (*Tinospora cordifolia*) and Neem (*Azadirachta indica*) on growth performance of Marwari lambs under arid zone. 27th Annual Convention of Indian Society of Animal Production and Management & National conference on “Paradigm Shift In Livestock Management To Obtain High Quality Animal Products For Enhancing Farm Economy And Entrepreneurship” Organized by Post-Graduate Institute Of Veterinary Education And Research, Jaipur (Rajasthan University of Veterinary and Animal Sciences, Bikaner) held at, Jaipur from 4-6 February 2020 (3 days), PP-197. (Poster)

EXPERT ARTICLE IN COMPENDIUM/BOOKS/MANUAL

1. “Parichayatmak Pashupalan prabandhan” in Parichayatmak pashuchikitsa vigyan” 2017 pp 96-127.
2. **Tara Bothra**, Menaka, R and Atheya. U.K. (2002) The Sources of Animal protein in human diet Pashudhan 17.7
3. M.Ravi Kumar, **Tara Bothra** and Ashok Kumar (2002) Backyard poultry for socio-nutritional security of rural and tribal masses. Poultry Planner Year-4, Issue-1
4. Dinesh Jain, **T. Bothra** and Umesh Kumar Prajapat Importance of unconventional feed for conservation of Indigenous breeds of livestock. Training manual of ICAR sponsored winter school on conservation and Promotion of Indigenous breeds of livestock at Department of livestock Production Management, C.V.A.S., Bikaner (RAJUVAS) from 30 Oct. to 19Nov. 2017.
5. Dinesh Jain, **T. Bothra** and Mangesh Kumar. Conservation of green forage- Silage making from locally available feed resources. Training manual of ICAR sponsored winter school on conservation and Promotion of Indigenous breeds of livestock at Department of livestock Production Management, C.V.A.S., Bikaner (RAJUVAS) from 30 Oct. to 19Nov. 2017.
6. Tara Bothra, Dinesh Jain and Rajpal Singh Udawat (2020). Introduction of Geospatial Techniques for monitoring of migratory birds. Manual on Management practices for combating avian health emergencies in wetland ecosystem in Rajasthan prepared by Centre for studies on wildlife management and health, RAJUVAS, Bikaner. Pp 83-87

7. Dr. Tara Bothra and Dr. Dinesh Jain (2021) “Wildlife ecosystems, wildlife sanctuaries in state and country” in e-compedium (Add on certificate course) on wildlife care and management organised by Centre for studies on wildlife management and health.

ACADEMIC (BOOKS AND MANUALS)

MANUALS

- 1- Monogastric and Laboratory Animals (LPM-122), CVAS, Bikaner (2015-16)
- 2- Camel and Pet Animal Management (LPM-222), CVAS, Bikaner (2015-16)
- 3- Commercial Poultry Production and Hatchery Management (LPM-221), CVAS, Bikaner (2015-16)
- 4- Fodder Production and Grassland Management (LPM-121), CVAS, Bikaner (2018-19)
- 5- General livestock management and livestock production management-ruminants CVAS, Bikaner (2018-19)
- 6- Zoo Animal/ fish production management CVAS, Bikaner (2018-19)

Chapters in Book

1. Tara Bothra, Neha Sharma, Dinesh Jain, Umesh Kumar Prajapat (2019). Ethnoveterinary Perspective of Indian Herbal System, **Phytobiotics and Animal Production** published by **International Books & Periodical Supply Service (IBS)**. 2019, PP-127
2. Dinesh Jain and Tara Bothra (2019). Giloy (*Tinospora cordifolia*). **Phytobiotics and Animal Production** published by **International Books & Periodical Supply Service (IBS)**. 2019, PP-385

EDITOR/CO-EDITOR

A. Co- Editor of Pashu aahar and chara bulletin published by LFRMTC, RAJUVAS, Bikaner

1. Pashu aahar and chara bulletin (October- December 2018), Year 04, Issue 02, LFRMTC, RAJUVAS, Bikaner
2. Pashu aahar and chara bulletin (January- March 2019), Year 04, Issue 03, LFRMTC, RAJUVAS, Bikaner
3. Pashu aahar and chara bulletin (April- June 2019), Year 04, Issue 04, LFRMTC, RAJUVAS, Bikaner
4. Pashu aahar and chara bulletin (July- September 2019), Year 05, Issue 01, LFRMTC, RAJUVAS, Bikaner
5. Pashuaahar and chara bulletin (October- December 2019), Year 05, Issue 02, LFRMTC, RAJUVAS, Bikaner
6. Pashuaahar and chara bulletin (January- March 2020), Year 05, Issue 03, LFRMTC, RAJUVAS, Bikaner

7. Pashuaahar and chara bulletin (April- June 2020), Year 05, Issue 04, LFRMTC, RAJUVAS, Bikaner
8. Pashuaahar and chara bulletin (July-September 2020), Year 06, Issue 01, LFRMTC, RAJUVAS, Bikaner
9. Pashuaahar and charabulletin (October- December 2020), Year 05, Issue 02, LFRMTC, RAJUVAS, Bikaner
10. Pashuaahar and chara bulletin (January- March 2021), Year 06, Issue 03, LFRMTC, RAJUVAS, Bikaner
11. Pashuaahar and chara bulletin (April- June 2021), Year 06, Issue 04, LFRMTC, RAJUVAS, Bikaner
12. Pashuaahar and chara bulletin (July-September 2021), Year 07, Issue 01, LFRMTC, RAJUVAS, Bikaner
13. Pashuaahar and chara bulletin (October-December 2021), Year 07, Issue 02, LFRMTC, RAJUVAS, Bikaner
14. Pashuaahar and chara bulletin (January- March 2022), Year 06, Issue 03, LFRMTC, RAJUVAS, Bikaner
15. Pashuaahar and chara bulletin (April- June 2022), Year 06, Issue 04, LFRMTC, RAJUVAS, Bikaner
16. Pashuaahar and chara bulletin (July-September 2022), Year 08, Issue 01, LFRMTC, RAJUVAS, Bikaner
17. Pashuaahar and charabulletin (October- December 2022), Year 06, Issue 02, LFRMTC, RAJUVAS, Bikaner
18. Pashuaahar and chara bulletin (January- March 2023), Year 06, Issue 03, LFRMTC, RAJUVAS, Bikaner
19. Pashuaahar and chara bulletin (April- June 2023), Year 06, Issue 04, LFRMTC, RAJUVAS, Bikaner Pashuaahar and chara bulletin (July-September 2023), Year 09, Issue 01, LFRMTC, RAJUVAS, Bikaner
20. Pashuaahar and charabulletin (October- December 2023), Year 06, Issue 02, LFRMTC, RAJUVAS, Bikaner
21. Pashuaahar and chara bulletin (January- March 2024), Year 06, Issue 03, LFRMTC, RAJUVAS, Bikaner
22. Pashuaahar and chara bulletin (April- June 2024), Year 06, Issue 04, LFRMTC, RAJUVAS, Bikaner

B. Co- Editor of Vividh pashudhan avum kukut palan margdarshika, 2015 RAJUVAS, Bikaner

C. Member of Reviewer Board of Journal “Ruminant Science”

GUIDING RESEARCH SCHOLARS

S. No	THESIS TITLE	YEAR	CANDIDATE	ADVISOR
1.	Effect of giloy (<i>Tinospora cordifolia</i>) and neem (<i>Azadirachta indica</i>) on performance of Marwari lambs under arid zone.	2020	Priyanka kumari (M.V.Sc)	Major advisor
2.	Effect of turmeric powder and (<i>Curcuma longa</i>) and neem (<i>Azadirachta indica</i>) leaf powder on performance and carcass characteristic of broiler chicks	2021	Dharmendra Choudhary (M.V.Sc)	Major advisor
3.	Effect of bedding materials on performance of broiler chicks	2021	Lalita Deora (M.V.Sc)	Major advisor
4.	Study on effect of various stocking densities along with the dietary supplementation of Giloy (<i>Tinospora cordifolia</i>) and Moringa (<i>Moringa Oleifera</i>) on the performance of Broiler chicks.	2022	Kusumlata jhalaria (M.V.Sc)	Advisor
5.	Knowledge and adoption level of cattle owners about Animal welfare practices in Jhunjhnu District of Rajasthan	2021	Sonu Shekhawat (M.V.Sc)	Advisor
6.	Effect of Rosemary (<i>Rosemarinus officianilis</i>) Leaf powder and Black Cumin seed powder (<i>Nigella sativa</i> L.) as feed additives on the performance of Broiler chicks		Abhishek Sharma (P.h.D)	Advisor
7.	Effect of dietary supplementation of Giloy (<i>Tinospora cordifolia</i>) Herb and Ascorbic acid along with different bedding materials on performance of Japanese quail during growth and egg production period	2022	Narendra Poonia (P.h.D)	Advisor
8.	Effect of stocking density and	2022	Pushpa lamba (P.h.)	Advisor

	photoperiod on the performance of Japanese quail (<i>Coturnix coturnix japonica</i>)		D)	
9.	Effect of Supplementation of Manjistha (<i>Rubia cordifolia</i>) powder on Performance of Broiler chicks	2023	Sunita khurav	Major advisor
10.	Dairy cattle Management practices in different Agroclimatic zones of Rajasthan	2024	Priyanka kumari	Major advisor
11.	Evaluation of RAJUVAS Immunobooster supplement on performance of Magra lambs under Arid zone	2024	Kanta Godara	Major advisor

LIST OF POPULAR ARTICLES & PUBLICATION

1. रोगग्रस्त व निरोगी मुर्गियों की पहचान ,दिसम्बर ,पशुपालन नए आयाम ,2014
2. मुर्गियों में गाउट से बचने के तरीके ,जनवरी ,पशुपालन नए आयाम ,2015
3. पशु आहार में प्रयुक्त होने वाले कच्चे माल की गुणवत्ता को कैसे परखे पशु आहार एवं चारा बुलेटिन , अप्रैल 2015
4. कैसे बचाएँ अपने पशुओं को चक्रवाती प्राकृतिक आपदाओं से ,जून ,पशुपालन नए आयाम ,2015
5. पशुपालन में परम्परागत ज्ञान की उपयोगिता , अक्टूबर ,पशुपालन नए आयाम ,2015
6. मुर्गियों का दीर्घकालीन श्वास रोग , फरवरी ,पशुपालन नए आयाम ,2016
7. अच्छे पशु स्वास्थ्य के लिए नमक की उपयोगिता , जून-अप्रैल ,पशुपालन नए आयाम , 2016
8. संरक्षित करें अपनी देशी गाय, जून, 2016
9. गर्मी के मौसम में पशु पोषण प्रबंधन, प्रशिक्षण संदर्शिका, उन्नत पशु पोषण एवं हाईड्रापोनिक्स तकनीक द्वारा हरा चारा उत्पादन, हाईड्रापोनिक्स तकनीक केंद्र, राजुवास, बीकानेर, **tuojh** 2016
10. यूरिया-शीरा-खनिज पिंड बनाने की विधि पशु आहार एवं चारा प्रबंधन (पशुधन चारा संसाधन प्रबंधन एवं तकनीक केंद्र, राजुवास, बीकानेर, **ekpZ** 2016)
11. पशु पोषण के नए आयाम (पशुधन चारा संसाधन प्रबंधन एवं तकनीक केंद्र, राजुवास, बीकानेर. **ekpZ** 2016)
12. अच्छे स्वास्थ्य के लिए खनिज मिश्रण (पशुधन चारा संसाधन प्रबंधन एवं तकनीक केंद्र, राजुवास, बीकानेर, **ekpZ** 2016)
13. दुधारू पशुओं का प्रबंधन (पशुधन चारा संसाधन प्रबंधन एवं तकनीक केंद्र, राजुवास, बीकानेर, **ekpZ** 2016)
14. स्वरोजगार हेतु पशु आहार निर्माण, पशुपालन और डेयरी तकनीक (पशुधन चारा संसाधन प्रबंधन एवं तकनीक केंद्र, राजुवास, बीकानेर, **tuojh** 2017)

15. डेयरी फार्म पर पशु आवास प्रबंधन, (पशुधन चारा संसाधन प्रबंधन एवं तकनीक केंद्र, राजुवास, बीकानेर, **tuojh** 2017)
16. पशुओ में उपापचयी रोग (पशुधन चारा संसाधन प्रबंधन एवं तकनीक केंद्र, राजुवास, बीकानेर, **tuojh** 2017)
17. अधिक दुग्ध उत्पादन हेतु पशु प्रबंधन (पशुधन चारा संसाधन प्रबंधन एवं तकनीक केंद्र, राजुवास, बीकानेर, **tuojh** 2017)
18. **o"KZ Hkj gjk pkjk mRiknu pØ ,oa lw[kk pkjk ds izdkj] miyC/krk ,oa fofHkUurk dh tkudkj] ikSf"Vd pkjk fuekZ.k ¼;wfj;k eksykfl mipkj½ vtksyk ¼gjk pkjk½ egrk mRiknu fof/k]** प्रशिक्षण संदर्शिका पशुधन चारा संसाधन प्रबंधन एवं तकनीक केंद्र, राजुवास, बीकानेर, **ebZ** 2017
19. साइलेज: पशुधन के लिए सदाबहार हरा चारा, पशुपालन: आर्थिक उन्नति का आधार, राष्ट्रीय पशु जैव प्रौद्योगिकी संस्थान, हैदराबाद, प्रसार शिक्षा निदेशालय, राजुवास, बीकानेर | (जुलाई 2018)
20. कैसे करे गौशाला का प्रबंधन, पशुपालन नए आयाम , अगस्त , 2018
21. डॉ. दिनेश जैन एवं डॉ. तारा बोथरा, सतत पशुधन उत्पादन में आज की आवश्यकता: सेवन घास, पशु आहार एवं चारा बुलेटिन, अक्टूबर-दिसंबर, 2018
22. डॉ. तारा बोथरा एवं डॉ. दिनेश जैन, पहचाने अपनी जड़ी बूटियों की उपयोगिता: अश्वगंधा, पशु आहार एवं चारा बुलेटिन, अक्टूबर-दिसंबर, 2018
23. डॉ. तारा बोथरा एवं डॉ. दिनेश जैन, अदभूत जड़ी बूटी: शतावरी, पशु आहार एवं चारा बुलेटिन, जनवरी-मार्च, 2019
24. डॉ. तारा बोथरा, डॉ. दिनेश जैन एवं डॉ. प्रियंका कुमारी: गिलोय: ऐक **egRiw.kZ** जड़ी बूटी, पशु आहार एवं चारा बुलेटिन, अप्रैल-जून, 2019
25. डॉ. अभिषेक शर्मा, डॉ. दिनेश जैन एवं डॉ. तारा बोथरा, समन्वित कृषि प्रणाली: ऐक लाभदायक व्यवसाह, पशु आहार एवं चारा बुलेटिन, अप्रैल-जून, 2019
26. डॉ. अभिषेक शर्मा, डॉ. दिनेश जैन एवं डॉ. तारा बोथरा, सतत पशुधन उत्पादन में आज की आवश्यकता: धामन घास, पशु आहार एवं चारा बुलेटिन, जुलाई-सितम्बर, 2019
27. डॉ. प्रियंका कुमारी, डॉ. कविता शिंदे एवं डॉ. तारा बोथरा, "गर्मी में पशु पोषण प्रबंधन" पशु आहार एवं चारा बुलेटिन, जुलाई-सितम्बर, 2019
28. डॉ. तारा बोथरा, डॉ. दिनेश जैन एवं डॉ. सीताराम गुप्ता- पशुओ मे संतुलित आहार हेतु मिश्रण: आज की आवश्यकता, पशु आहार एवं चारा बुलेटिन, जनवरी-मार्च, 2020
29. डॉ. गरिमा, डॉ. तारा बोथरा एवं डॉ. नरेंद्र सिंह राठौड, पशु आहार में बायपास प्रोटीन का संपूरक पशु आहार एवं चारा बुलेटिन, जनवरी-मार्च, 2020
30. महेंद्र सिंह मनोहर, दिनेश आचार्य, डॉ. दिनेश जैन एवं डॉ. तारा बोथरा, मृदा उर्वरता व उत्पादकता में सुधार के उपाय, पशु आहार एवं चारा बुलेटिन, अप्रैल-जून, 2020
31. डॉ. अनामिका शर्मा एवं डॉ. तारा बोथरा "आवंला एक महत्वपूर्ण पशु आहार संपूरक", पशु आहार एवं चारा बुलेटिन, अक्टूबर-दिसम्बर, 2019
32. डॉ. दिनेश जैन, डॉ. तारा बोथरा एवं डॉ. भूपेंद्र- कोरोना महामारी में पशुपालको को रखने वाली सावधानिया, पशु आहार एवं चारा बुलेटिन, जुलाई- सितम्बर, 2020

33. डॉ. दिनेश जैन, डॉ. तारा बोथरा एवं डॉ. पूजा प्रजापत- पशु आहार निर्माण में कोविड-19 से बचाव के उपाय, पशु आहार एवं चारा बुलेटिन, जुलाई- सितम्बर, 2020
34. डॉ. तारा बोथरा, डॉ. दिनेश जैन, डॉ. नरेन्द्र सिंह राठौड एवं डॉ. सीताराम गुप्ता- आइए ! जाने रोग प्रतिरोधकता क्षमता बढ़ाने वाली जड़ी बूटियों को, पशु आहार एवं चारा बुलेटिन, जुलाई- सितम्बर, 2020
35. दिनेश आचार्य, महेंद्र सिंह मनोहर, डॉ. दिनेश जैन एवं डॉ. तारा बोथरा- आत्मनिर्भर भारत निर्माण के लिए मीठी क्रांति का आगाज जुलाई- सितम्बर, 2020
36. महेंद्र सिंह मनोहर, दिनेश आचार्य, डॉ. दिनेश जैन एवं डॉ. तारा बोथरा- फसलों के लिए वरदान : हरी खाद, पशु आहार एवं चारा बुलेटिन, अक्टूबर-दिसम्बर, 2020
37. डॉ. सुनील अरोडा एवं डॉ. तारा बोथरा शीत ऋतू में गाय भैसों का शीत तनाव से बचाव के उपाय पशु आहार एवं चारा बुलेटिन, जनवरी -मार्च 2021
38. डॉ. अभिषेक शर्मा, डॉ. भूपेंद्र कस्वां, डॉ. दिनेश जैन एवं डॉ. तारा बोथरा- प्रजनन सम्बन्धी समस्याओं में पशु आहार का महत्व, पशु आहार एवं चारा बुलेटिन, जनवरी -मार्च 2021
39. डॉ. लूणा राम, डॉ. दिनेश जैन एवं डॉ. तारा बोथरा- ब्रॉयलर चूजों में हल्दी व सोंफ पाउडर की महता, पशु आहार एवं चारा बुलेटिन, जनवरी -मार्च 2021
40. डॉ. अभिषेक शर्मा, डॉ. तारा बोथरा एवं डॉ. दिनेश जैन -आर्गेनिक ब्रॉयलर मीट उत्पादन पशु आहार एवं चारा बुलेटिन, अप्रैल-जून 2021
41. डॉ. सुनील अरोडा, डॉ. विकास कुमार शर्मा, डॉ. तारा बोथरा एवं डॉ. दिनेश जैन- शुष्क क्षेत्रों में ऊंटों की देखभाल एवं पोषण, पशु आहार एवं चारा बुलेटिन, अप्रैल-जून 2021
42. डॉ. नौशाली गुर्जर, डॉ. पूजा प्रजापत एवम डॉ. तारा बोथरा भीषण गर्मी में कैसे करें पशु पोषण पशुआहारएवंचाराबुलेटिन, जुलाई- सेप्टेम्बर, 2021
43. डॉ. सुनील अरोडा, डॉ. दिनेश जैन एवम, डॉ. ताराबोथरा - पशुओं में कृमिनाशक एवम नमक की उपयोगिता जुलाई- सेप्टेम्बर, 2021
44. डॉ. जेनू परमार एवम डॉ. ताराबोथरा आइये देखे ग्वारपाठा की उपयोगिता पशुआहारएवंचाराबुलेटिन, अक्टूबर-दिसम्बर , 2021
45. डॉ. पलक गुप्ता, डॉ. दिनेश जैन एवं डॉ. तारा बोथरा-ग्रेनसेन्स एनालाइज़र: अनाज की गुणवत्ता को कभी भी व कहीं भी मापने की सहज विधि, पशुआहार एवं चारा बुलेटिन, जुलाई- सितम्बर, 2021
46. डॉ. जेनू परमार एवम डॉ. ताराबोथरा - विलायती बबूल की महता जनवरी- मार्च , 2022
47. डॉ. विकास कुमार शर्मा डॉ. सुनील अरोडा एवम डॉ. ताराबोथरा- शुष्क एवम अति शुष्क क्षेत्रों में तुम्बा की पशुपालन में उपयोगिता जनवरी- मार्च, 2022
48. डॉ. अनीशा एवं डॉ. तारा बोथरा- पशुपोषण में चारा चुकंदर की उपयोगिता, पशुआहार एवं चारा बुलेटिन, अप्रैल-जून, 2022
49. डॉ. राहुल सिंह पाल, डॉ. दिनेश जैन एवं डॉ. तारा बोथरा- चारे की पौष्टिकता व पाचकता बढ़ाने के उपाय पशुआहार एवं चारा बुलेटिन, अप्रैल-जून, 2022
50. डॉ. अनिषा, डॉ. पूजा प्रजापत एवम डॉ. तारा बोथरा फसल उत्पादन बढ़ाने का अनोखा तरीका, जुलाई- सेप्टेम्बर, 2022

51. सायनोजेनिक विशक्ताता – डॉ ललिता देवड़ा, डॉ जेनाराम गहलोत एव डॉ. तारा बोथरा
पशुआहारएवंचाराबुलेटिन, अक्टूबर-दिसम्बर 2022
52. ब्रायलर चूजों के प्रदर्शन पर नीम एव हल्दी की उपयोगिता- डॉ धर्मेन्द्र चौधरी एव डॉ तारा बोथरा
पशु आहार एवं चाराबुलेटिन, अक्टूबर-दिसम्बर 2022
53. डॉ. आकाँक्षा, डॉ. तारा बोथरा, डॉ नरेन्द्र सिंह राठौर एवं डॉ. कांता गोदारा –जलवायु परिवर्तन का चारा
उत्पादन पर प्रभाव , पशुआहार एवं चारा बुलेटिन, जनवरी- मार्च , 2023
54. मशरूम अपशिष्ट: कुकुट पालन हेतु वरदान डॉ. कांता गोदारा, डॉ आकाँक्षा शर्मा एवं डॉ तारा बोथरा
जनवरी- मार्च , 2023
55. दिनेश आचार्य, डॉ. उमेश कुमार प्रजापत , डॉ. दिनेश जैन एव डॉ तारा बोथरा " मृदा में आर्गेनिक
कार्बन स्तर को बढ़ाकर करें गुन्वातायुक्त हरा चारा उत्पादन" पशु आहार एव चारा बुलेटिन जुलाई-
सेप्टेम्बर, 2023
56. डॉ. दिनेश जैन, डॉ.सीताराम गुप्ता, डॉ. नरेन्द्र सिंह राठौर एव डॉ तारा बोथरा "ग्रामीण क्षेत्र में
मुर्गीपालन के लिए आहार प्रबंधन कैसे करें" पशु आहार एव चारा बुलेटिन जुलाई- सेप्टेम्बर, 2023
57. डॉ. दिनेश जैन, डॉ. उमेश कुमार प्रजापत, दिनेश आचार्य, एव डॉ तारा बोथरा "मिश्रित पशु आहार
निर्माण में काम में आने वाली सामग्रियां" पशु आहार एव चारा बुलेटिन अक्टूबर-दिसम्बर , 2023
58. डॉ सुनीता खुराव एव डॉ तारा बोथरा " मंजिस्था पाउडर का ब्रायलर चूजों के प्रदर्शन पर प्रभाव का
अध्ययन" पशु आहार एव चारा बुलेटिन अक्टूबर-दिसम्बर , 2023
59. डॉ अनिल कुमार एव डॉ तारा बोथरा " बछड़ों का सर्दी से बचाव के लिए आहार प्रबंधन एव अन्य
उपाय"
पशु आहार एव चारा बुलेटिन –जनवरी –मार्च 2024

EXTERNAL EXAMINER

1. Appointed as external examiner for conducting Annual Board Practical Examination of LPM Paper-II (LPM-211, 221 & 222) (Old VCI) Examination of B.V.Sc. & A.H. at International Institute of Veterinary Education and Research (IIVER), Bahu Akbarpur, Rohtak. (Letter no. COE/LUVAS/2018/729 dated 08.08.2018).
2. Appointed as external examiner for conducting Annual Board Practical Examination of LPM Paper-II (LPM-211, 221 & 222) (Old VCI) Examination of B.V.Sc. & A.H. at Lala Lajpat Rai University of Veterinary and Animal Sciences, Hisar (Haryana). (Letter no. COE/LUVAS/2018/724 dated 08.08.2018).

PAPER SETTER

1. Appointed as paper setter- of Examination of B.V.Sc. & A.H. First Annual Board Examination in Livestock Production Management paper- I (LPM-111, LPM-121, LPM-122) at Junagadh Agricultural University, Junagadh (Letter no. JAU/JVC/EXAM/1/1285 dated 13.02.2017).

2. Appointed as paper setter- of Examination of B.V.Sc. & A.H. Second Annual Board Examination in Livestock Production Management paper- II (LPM-211, LPM-221, LPM-222) at Junagarh Agricultural University, Junagadh (Letter no. JAU/JVC/EXAM/10/2018 dated 02.04.2018).
3. Appointed as paper setter cum evaluator of Examination of B.V.Sc. & A.H. Annual Board Examination in Livestock Production Management paper- I of Lala Lajpat Rai University of Veterinary and Animal Sciences, Hisar (Haryana). (Letter no. COE/LUVAS/2019/324 dated 16.04.2019).
4. Appointed as paper setter for B.V.Sc. first year external theory examination of Livestock Production Management paper-II (Letter no. 2438/COE/NDVSU/2019/dated 9.12.2019).
5. Appointed as paper setter for B.V.Sc. first year external theory examination of Livestock Production Management paper-II. of CVAS, G.B.Pant University of Agriculture and Technology ,Pantnagar (Letter no. VASc./CE/037 dated 21.04.2022).
6. Acted as paper setter for B.V.Sc. first year external theory examination of Livestock Production Management paper vide order no. ANDUAT-02/2023/68./CE/037 dated 23.02.2023
7. Acted as paper setter for B.V.Sc. first year external theory examination of Livestock Production Management paper vide order no. d.O.Lr.No./40/Bv.Sc. Exam/2022-23 dated 9.06.2023

EVALUATION OF ANSWER BOOKS

1. Appointed as external examiner for evaluation of theory answer books of LPM (Paper-I and paper II) of B.V.Sc. & A.H Ist year of Nanaji Deshmukh Veterinary Science University, Jabalpur. (Letter no. 1929/COE/NDVSU/2019 dated 27.06.2019).
2. Appointed as external examiner for evaluation of theory answer books of LPM (Paper II) of B.V.Sc. & A.H Ist year of Lala Lajpat Rai University of Veterinary and Animal Science, Hisar (Haryana). (Letter no. COE/LUVAS/2021/1043 dated 24.11.2021).

TRAINING ORGANISED AS COURSE COORDINATOR

SN	Capacity in which associated	Organising agency with which involved	Location	Name of courses and Name of Workshop	Duration
1	As Nodal coordinator	IIRS-ISRO	Online mode (RAJUVAS, Bikaner)	RS & GIS Applications	2-20 Nov.2020
2	As Nodal coordinator	IIRS-ISRO	Online mode (RAJUVAS, Bikaner)	Remote Sensing of Land Degradation	1-7 Dec.2020
3	As Nodal coordinator	IIRS-ISRO	Online mode (RAJUVAS, Bikaner)	Advances in SAR Poliremetry and Interferometry	14-18 Dec 2020

4	As Nodal coordinator	IIRS-ISRO	Online mode (RAJUVAS, Bikaner)	Satellite based Navigation: A Journey from GPS to Mobile Phone Platform”	1-12 March 2021
5	As Nodal coordinator	IIRS-ISRO	Online mode (RAJUVAS, Bikaner)	Geoinformatics for disaster Management	5-16 April 2021
6	As Nodal coordinator	IIRS-ISRO	Online mode (RAJUVAS, Bikaner)	Antariksh vigyan ke anuprayog (Workshop)	21 Dec 2020
7	As Nodal coordinator	IIRS-ISRO	Online mode (RAJUVAS, Bikaner)	Earth Observation based mapping, Monitoring and Modelling of Landslide: Recent trends and support to early warning system (Workshop)	21 st April
8	As Nodal coordinator	IIRS-ISRO	Online mode (RAJUVAS, Bikaner)	Earth Observation for Carbon Cycle Studies(one week certificate course)	June 21 - June 25, 2021
9	As Nodal coordinator	IIRS-ISRO	Online mode (RAJUVAS, Bikaner)	<u>One day online Workshop</u> entitled “SAR application for flood hazard mapping & monitoring”	16 July 2021
10	As Nodal coordinator	IIRS-ISRO	Online mode (RAJUVAS, Bikaner)	<u>Two Week certificate course</u> entitled “Geospatial technology for hydrological modelling”	19-30, July 2021
11	As Nodal coordinator	IIRS-ISRO	Online mode (RAJUVAS, Bikaner)	<u>One Week certificate course</u> entitled Geospatial Modelling for Watershed Management	02-06 August 2020
12	As Nodal coordinator	IIRS-ISRO	Online mode (RAJUVAS, Bikaner)	<u>One day online Workshop</u> of entitled Remote Sensing for Lunar Science	11 August 2021
13	As Nodal coordinator	IIRS-ISRO	Online mode (RAJUVAS, Bikaner)	Basics of RS,GIS and GNSS	16Aug-26 November 2021
14	As Nodal coordinator	IIRS-ISRO	Online mode (RAJUVAS, Bikaner)	Fundamentals of Remote sensing and GIS technology	14 -28 September 2021
15	As Nodal	IIRS-ISRO	Online mode	Application of satellite	27 October

	coordinator		(RAJUVAS, Bikaner	Altimetry for inland water bodies	2021 (workshop)
16	As Nodal coordinator	IIRS-ISRO	Online mode (RAJUVAS, Bikaner	Geoinformatics for biodiversity conservation planning	6-17 December
17	As Nodal coordinator	IIRS-ISRO	Online mode (RAJUVAS, Bikaner	Remote sensing technology and its application	10 January 2021
18	As Nodal coordinator	IIRS-ISRO	Online mode (RAJUVAS, Bikaner	Overview of geo processing using python	17-28 January 2021
19	As Nodal coordinator	IIRS-ISRO	Online mode (RAJUVAS, Bikaner	Global Navigation satellite system and location based services	21February- 4 march 2022
20	As Nodal coordinator	IIRS-ISRO	Online mode (RAJUVAS, Bikaner	Advanced Geospatial technologies for disaster risk reduction	18-29April 2022
21	As Nodal coordinator	IIRS-ISRO	Online mode (RAJUVAS, Bikaner	Status ,challenges and opportunities for geospatial technology Application in irrigation water management	17 May 2022 (workshop)
22	As Nodal coordinator	IIRS-ISRO	Online mode (RAJUVAS, Bikaner	Geospatial Applications for Forest Ecosystem Analysis	22-25 June2022
23	As Nodal coordinator	IIRS-ISRO	Online mode (RAJUVAS, Bikaner	Applications of Geospatial technologies in Paleochannel studies: Potential and future trends	11 October202 2 (workshop)
24	As Nodal coordinator	IIRS-ISRO	Online mode (RAJUVAS, Bikaner	VAV Remote sensing	21 November 2022 (workshop)
25	As Nodal coordinator	IIRS-ISRO	Online mode (RAJUVAS, Bikaner	Advances in monitoring and modelling of hydrometeorological Hazards using Geospatial Technology and process based Models	5-9 December 2022
26	As Nodal coordinator	IIRS-ISRO	Online mode (RAJUVAS, Bikaner	Remote sensing, geographical information system and global navigation satellite system	22August - 25 November 2022

LEAFLET & FOLDERS

1. गर्मियों में मुर्गियों का रखरखाव, गोदरेज एग्रोवेट, लिमिटेड, अजमेर (2005-2008)
2. ब्रायलर प्रबंधन, गोदरेज एग्रोवेट, लिमिटेड, अजमेर (2005-2008)
3. लेयर प्रबंधन, गोदरेज एग्रोवेट, लिमिटेड, अजमेर (2005-2008)
4. बायो-सिक््यूरिटी एवं शेड प्रिप्रेसन, गोदरेज एग्रोवेट, लिमिटेड, अजमेर (2005-2008)
5. पशुओं का प्राथमिक घरेलु उपचार, गोदरेज एग्रोवेट, लिमिटेड, अजमेर (2005-2008)
6. एफ. एम. डी., पशु मित्र, UNDP द्वारा पोषित SGP कार्यक्रम, 03 Oct. 2006 से 07 Oct. 2006 (समावेश, भोपाल)
7. एच. एस., पशु मित्र, UNDP द्वारा पोषित SGP कार्यक्रम, 03 Oct. 2006 से 07 Oct. 2006 (समावेश, भोपाल)
8. बी. क्यू., पशु मित्र, UNDP द्वारा पोषित SGP कार्यक्रम, 03 Oct. 2006 से 07 Oct. 2006 (समावेश, भोपाल)
9. टिम्पेनी., पशु मित्र, UNDP द्वारा पोषित SGP कार्यक्रम, 03 Oct. 2006 से 07 Oct. 2006 (समावेश, भोपाल)
10. [REDACTED], [REDACTED] 2016
11. [REDACTED], [REDACTED] 2016
12. [REDACTED], [REDACTED] 2016
13. [REDACTED], [REDACTED] 2016
14. यूरिया मोलासिस मिनरल ब्लॉक, संपूरक पशु आहार, पशुधन चारा संसाधन प्रबंधन एवं तकनीक केन्द्र, राजुवास, बीकानेर, 2016
15. [REDACTED], [REDACTED] 2019
16. [REDACTED], [REDACTED], [REDACTED] 2019
17. [REDACTED], [REDACTED], [REDACTED] 2019
18. [REDACTED], [REDACTED], [REDACTED] 2019
19. संकर नैपियर बाजरा, पशुधन चारा संसाधन प्रबंधन एवं तकनीक केन्द्र, राजुवास, बीकानेर, 2019

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21. उद्यमिता विकास का एक आयाम: राजुवास पशु खनिज मिश्रण, डॉ. दिनेश जैन, डॉ. तारा बोथरा, डॉ. नरेंद्र सिंह राठौड़, डॉ. सीताराम गुप्ता, दिनेश आचार्य, महेंद्र सिंह मनोहर एवं डॉ. उमेश कुमार प्रजापत (राष्ट्रीय कृषि विकास योजना के अंतर्गत विश्वविद्यालय के विभिन्न पशुधन अनुसन्धान फार्मों पर पशु आहार निर्माण संयंत्र स्थापना परियोजना)

22. RADIO TALK

1. ब्रायलर मुर्गियों में प्रबन्धन एवं रखरखाव, 09/04/2015
2. □□□ □□□□ □□□□ □□ □□□□□□□□ □□□□□□□□, 05/07/2018

ACHIEVEMENTS

1. Awarded 1st Division in All Rajasthan General English Proficiency Test by Readers Research Modern Institute Jaipur (1987).
2. Awarded 2nd In Debate Competition by Forest Department (1988).
3. Awarded 2nd In Fancy Dress Competition by Rampuriya Sr. Sec. School, Bikaner.
4. Awarded 2nd In Model Competition by Rampuriya Sr. Sec. School, Bikaner (1990).
5. Awarded 1st in One Act Play by C.V.A.S. Bikaner (1998).
6. Awarded Academic Achievement Award for the year 2000 by Sarabhai Zydus.
7. Awarded the Junior Research Fellowship in All India Combined Examination by ICAR, New Delhi (2000-2002).
8. Secure the First prize in poster presentation in “International Symposium on Livestock production system for sustainable food security & livelihood in mountain areas”. At G.B. Pant University of Agriculture and Technology, Pantnagar, Uttranchal (30-31 Dec 2002).
9. Awarded 2nd prize in Oral Presentation on Need of area specific mineral mixture to optimize productivity of animal. National Seminar on “Agriculture Resource management for sustainability and eco-restoration”, Organized by ICAR-central Institute for arid horticulture, Bikaner, from 11-13, March 2016.
10. As principal Investigator in centre for excellence for use of space Based Technology in Animal Science, RAJUVAS, Bikaner (up to 11.1.2023) **Centre became Network institute of IIRS- ISR**
11. Awarded Vice Chancellor award for new initiative of becoming network centre of IIRS-ISRO at centre for excellence for use of space based technology in animal science

SHORT COURSE/ WINTER SCHOOL/ORIENTATION PROGRAMME ATTENDED

1. Training on “Micronutrients in Animal Nutrition” Organized by Centre of Advanced Faculty Training in Animal Nutrition, ICAR-Indian Veterinary Research Institute, Izatnagar from 3rd February to 23rd February 2016 (21 Days)

2. Training on “Conservation and promotion of indigenous breeds of livestock, RAJUVAS, Bikaner from 30th October to 19th November 2017 (21 days)
3. Attended Orientation training programme on “Teaching Methodology” organized by Directorate of Extension Education, RAJUVAS, Bikaner from 28th March to 17th April 2019 (21 days).
4. Training on “Current status, Emerging issues and future scenario regarding conservation of indigenous breeds of livestock, RAJUVAS, Bikaner from 5th November to 25th November 2019 (21 days)
5. Attended 21 days ICAR National training on “Advances in Fodder production, utilization and Conservation for improving Livestock health, productivity and Environmental sustainability” from 20.8.2020 to 11.09.2020 organized by Indian Grassland and Fodder Research Institute, Srinagar and National Agriculture Development Cooperative Ltd., Baramulla through online mode
6. Attended 21 days ICAR National training on “Fisheries aquaculture and post harvest technology” from 10.5.2022 to 30.05.2022 organized by ICAR-CIFT. through online mode
7. Attended 21 days summer school on “Recent trends in sustainable livestock and crop production technologies vis- a vis climate change ” from 18.6.2022 to 08.07.2022 jointly organized by ICAR-IGFRI Regional research station ,Srinagar, Bihar Animal Science University, Patna, Bihar and National Agriculture Development Cooperative Ltd (NADCL), Baramulla, J&K through online mode
8. Successfully completed a Six week online course conducted by agMOOCs (Commonwealth of Learning and TANUVAS,Chennai) on Practical animal nutrition for augmenting livestock and poultry productivity from July 11 to August 31, 2023
9. Successfully completed a Six week online course conducted by agMOOCs (Commonwealth of Learning and TANUVAS,Chennai) on Current trends in treatment and control of parasitic diseases of livestock and poultry from December 19 to February2024
10. Successfully completed a Six week online course conducted by agMOOCs (Commonwealth of Learning and TANUVAS,Chennai) on Value engineering Agricultural plan from December 19 to February2024
11. Successfully completed Massive open online course(MOOC’S) on “Artificial Intelligence in Agriculture” held during March 1-31,2024 conducted by ICAR-NAARM,Hyderaba

PARTICIPATION IN TRAINING / SEMINAR / SYMPOSIUM:

1. Participated in "South Asian Regional Poultry Conference, at Pune, India, from Sept. 24-26, 2001.
2. Participated in Annual Conference & National Symposium on "Veterinary Public health in New Millennium, Opportunities and challenges" organized by CVAS, G.B. Pant University of Agriculture & Technology, Pantnagar on 28-29 November, 2002.
3. Participated in "Institutional training programme for veterinary officer" organized by Rajasthan State Livestock Management and training Institute, Jamdoli, Jaipur dated from 25/10/04 to 08/11/2004 (15 days)
4. Participated in Poultry Training dated 17-30 November 2005 at State Poultry Training Institute, Ajmer.

5. Participated in training on "Animal Disease diagnosis and control" held from 21-27 November 2007 at CVAS Bikaner.
6. Participated in Poultry training dated from 5-17 May 2008 at State Poultry Training Institute, Ajmer.
7. Participated in training on "Animal Disease diagnosis and control" held from 11-17 Feb. 2009 at CVAS Bikaner.
8. Participated in training on "Combat against infertility through Synchronization of Oestrus" organized by Regional Disease Diagnostic Center, Udaipur, dated from 19-21 March 2012.
9. Participation in "Bird Flu training" organized by department of Animal Husbandry, Rajasthan at Ajmer.
10. XXXVIII Annual Congress of Indian Society for Veterinary Surgery and International Symposium on New Horizons of Camel Surgery and Large Ruminant Surgery Organized by Department of Veterinary Surgery and Radiology, Rajasthan University of Veterinary and Animal Sciences, Bikaner held at College of Veterinary and Animal Science, Bikaner from 15-17 October 2014. (3 days)
11. Proc. 9th Biennial ANA Conference on Animal Nutrition Eco-Responsive Feeding and Nutrition : Linking Livestock and Livelihood organized by Animal Nutrition Association, IVRI, Izatnagar & Assam Agricultural University, Guwahati from 22-24, January, 2015
12. National Seminar "Translational Research in biotechnology for Improving Animal Health and Production" organized by Department of Veterinary Microbiology & Biotechnology, Rajasthan University of Veterinary and Animal Sciences, Bikaner held at College of Veterinary and Animal Science, Bikaner from 7-8 October 2015. (2 days)
13. National Seminar on "New Horizons of Veterinary and Medical Forensic Medicine" organized by Department of Clinical Veterinary Medicine, Ethics and Jurisprudence, Rajasthan University of Veterinary and Animal Sciences, Bikaner held at College of Veterinary and Animal Science, Bikaner from 5-6 March 2016. (2 days)
14. Workshop on "Disaster Management in Animals A Renewed Approach and Future Vision" at centre For Disaster Management Technology For Animals, College of Veterinary and Animal Science, Rajasthan University of Veterinary and Animal Sciences, Bikaner on 20th February 2015.
15. National Seminar on "Agriculture Resource management for sustainability and eco-restoration", Organized by ICAR-central Institute for arid horticulture, Bikaner, from 11-13, March 2016
16. XVII biennial animal nutrition conference on nutritional challenges for raising animal productivity to improve farm economy to be held at Junagadh Agriculture University, Junagadh animal nutrition society of India during February 1-3, 2018.
17. 37th Annual Convention of Indian Society for Veterinary Medicine and national symposium on "Holistic approach in veterinary medicine for better animal health to meet challenges of one health mission." Held at college of Veterinary and Animal Science, RAJUVAS, Bikaner from February 1-3, 2019.
18. 27th Annual Convention of Indian Society of Animal Production and Management & National conference on "Paradigm Shift In Livestock Management To Obtain High Quality Animal Products For Enhancing Farm Economy And Entrepreneurship" Organized by Post-

- Graduate Institute Of Veterinary Education And Research, Jaipur (Rajasthan University of Veterinary and Animal Sciences, Bikaner) held at, Jaipur from 4-6 February 2020. (3 days).
19. Workshop on “Bodhik Sampada Adikar Karyakarm” organized by Department of Science and Technology, Govt. of Rajasthan and Rajasthan University of Veterinary and Animal Sciences, Bikaner held at, Bikaner on 27.02.2019. (1 days).
 20. Participated in International Webinar “Altech one virtual experience on health and wellness” organized by Altech from 23-24 June 2020. (2 days)
 21. Participated in National Webinar on ‘Eggs and Poultry Meat in New Normal’ conducted by College of Veterinary Science & Animal Husbandry, Rewa (M.P.) on 26th July 2020. (1 day)
National Webinar on ‘Prospects and Challenges in Poultry Sector: Small Scale Farming to Large Commercial Enterprises’ conducted by College of Veterinary Science & Animal Husbandry, Rewa (M.P.) on 26th July 2020. (1 day)
 22. International Webinar entitled “Recent trends in animal welfare” organized by College of Veterinary Science, Korutla, Telangana on 31st July, 2020. (1 day)
 23. National Webinar entitled Annual Conclave 2020 organised by Indian Poultry Review on 8th August 2020. (1 day)
 24. National Webinar on “Atmanirbhar Indian Poultry in New Nomal” during 09, 10 & 11 August 2020, conducted by Department of Poultry Science, College of Veterinary Science & Animal Husbandry, Mathura (U.P.). (3 day)
 25. International Webinar on Role of Poultry Sector in Boosting the Post COVID Indian Economy- organized by College of Avian Sciences and Management, Kerala Veterinary and Animal Sciences University, Thiruvazhamkunnu, Palakkad, Kerala, 678601 and ICAR-NAHEP Innovation Grant from 28-07-2020 to 30-07-2020.
 26. National Webinar entitled on “Challenges in elephant health care and veterinary management:Current Scenario” organised by Wildlife and aquatic animal medicine club, veterinary college and research institute, Orathanadu, thanjavur on 12th August 2020.
 27. National Webinar entitled Animal Production Medicine in Anthropocene Epoch on 13th August 2020 organised by Veterinary internal and Preventive Medicine Society with knowledge partner INTAS Animal Health.
 28. National Webinar entitled on “Blending local and global knowledge and innovation system: Translating NEP (New Education Policy) Goals into practice” organized by Livestock Innovation, knowledge and Entrepreneurship skill (LIKES) Centre of Post Graduate Institute of Veterinary Education and Research, Jaipur, RAJUVAS on 29.08.2020.
 29. National Webinar entitled on “Metabolic Diseases of Importance in Dairy Animals” organised by Veterinary Internal and Preventive Medicine Society and Department of Veterinary Medicine, PGIVER, Jaipur with knowledge partner Intas Animal Health on 27.08.2020
 30. National Webinar entitled on “Paediatric health management of dogs and cats: Crux of practical approach” organised by Department of Veterinary Medicine, PGIVER, Jaipur with knowledge partner Alembic on 15.09.2020.
 31. National webinar entitled on “How to Develop Yourself for Career (not Job) in Veterinary and Animal Husbandry Domain” organised by Livestock Innovation, Knowledge & Entrepreneurship Skill (Likes) Centre of Post Graduate Institute of Veterinary Education and

Research, Jaipur (Rajasthan university of Veterinary and Animal Science, Bikaner) on 26.09.2020.

32. International webinar entitled on “One health approach for prevention and control of emerging zoonoses and Rabies in India” organised by Livestock Innovation, Knowledge & Entrepreneurship Skill (Likes) Centre of Post Graduate Institute of Veterinary Education and Research, Jaipur (Rajasthan university of Veterinary and Animal Science, Bikaner) on 28.09.2020.
33. Participation in the workshop on Digital Agribusiness for Women Entrepreneurs held from 4-6 Nov. 2020 Digital Multicountry (DMC) organized by National Productivity Council, New Delhi. Order No. F.(30)/RAJUVAS/Reg/Gr.I/2020/627 dated 15.10.2020.
34. International Webinar on “Covid -19: where do we go from here to deal Zoonoses on 6th July 2021. (1 day) organized by centre for Diagnosis, Surveillance and Response of Zoonotic diseases (CDSRZ) Department of Veterinary Medicine, PGIVER, Jaipur, RAJUVAS
35. Participated in Annual outreach meet on 24th March 2022 through IIRS-ISRO outreach Programme as a coordinator of Network Institute. 23rd Annual conference of Indian society of Veterinary Pharmacology and Toxicology and National Symposia on “Integrated Animal Health Care Systems –Opportunities and Challenges” and “Exploring New Avenues for Pharmacologist and Toxicologist from Employability Perspective Organized by Department of Veterinary Pharmacology and Toxicology, College of Veterinary and Animal Sciences, Bikaner from November 2-4 2023

PROFESSIONAL AFFILIATION

1. Veterinary Practitioner (No. 2218/2013)
2. Life member of Indian Journal of Animal Nutrition.
3. Life member of Indian Dairy Association.
4. Life member of Indian Society of Animal Production and Management (LM-1223)
5. Life member of Indian Society for Sheep & Goat Production & Utilization (ISSGPU) (931-03-2016)
6. Life Member of Indian Society For Advancement of Canine Practice (T-48/2189/2016)

PERSONAL DETAILS

- Date of Birth : 20th August 1976
- Nationality : Indian
- Marital Status : Married
- Sex : Female
- Aadhar No. : 596147759222
- E-mail : tarabothra76@gmail.com
- Address : W/o Dr. Dinesh Jain
22- Veer Loksha Colony,
Foy Sagar Road, Ajmer (305001).

Mobile. 9413792663,9413300048

(Dr. Tara Bothra)