

Bio-data (Curriculum Vitae)

PERSONAL DETAILS

Name : Tikam Chand Goyal
Date of Birth : 15/07/1983
Sex : Male
Marital status : Married
Nationality : Indian
E-mail address : tikamgoyal@gmail.com
Correspondence address : Dr. Tikam Goyal
Assistant Professor & Incharge
Dept. of Vety. & A.H. Extension Education
College of Veterinary and Animal Science
Navania, Vallabh Nagar, Udaipur
Pincode: 313601
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EDUCATIONAL AND PROFESSIONAL QUALIFICATIONS

Degree/Exam	University/Board	Year	Marks obtained (% or GPA)	Subjects
Ph.D. (Vety. & A.H. Extension)	RAJUVAS, Bikaner (Rajasthan)	2020	9.17/10	Major subject - Veterinary Extension, Minor subject – Animal Nutrition, Supporting subject - LPM
National Eligibility Test (NET)	ICAR & UGC	2013	-	Agriculture Extension Non-formal Education
M.V.Sc. (Vety. & A.H. Extension)	LLRUVAS, Hisar (Haryana)	2012	7.44/10	Major subject - Veterinary Extension, Minor subject – Veterinary Epidemiology, Supporting subject - Statistics
B.V.Sc. & A.H.	SKRAU, Bikaner (Rajasthan)	2010	7.12/10	as per VCI curriculum

PROFESSIONAL EXPERIENCE

Post	Organization	Period	Nature of duties
Teaching Associate	Dept. of Vety. A.H. Extension Education, CVAS, RAJUVAS, Bikaner (Raj.)	01.12.2012 to 30.06.2014	Teaching, Research, Extension
Assistant Professor (AGP Rs. 6,000)	Dept. of Vety. A.H. Extension Education, CVAS, Navania, Udaipur (RAJUVAS, Bikaner,	03.07.2014 to 02.07.2019	Teaching, Research, Extension

	Rajasthan)		
Assistant Professor (Sr. Scale; AGP Rs. 7,000)	Dept. of Vety. A.H. Extension Education, CVAS, Navania, Udaipur (RAJUVAS, Bikaner, Rajasthan)	03.07.2019 to 27.10.2022	Teaching, Research, Extension
	Pashu Vigyan Kendra (PVK), Dholpur (RAJUVAS, Bikaner, Rajasthan)	28.10.2022 to 22.02.2024	Organizing training programmes and other extension activities on improved Animal husbandry + Rendering disease diagnostic services to livestock owners
	Dept. of Vety. A.H. Extension Education, CVAS, Navania, Udaipur (RAJUVAS, Bikaner, Rajasthan)	23.02.2024 to till date	Teaching, Research, Extension
Assistant Professor & Incharge	Dept. of Vety. A.H. Extension Education, CVAS, Navania, Udaipur (RAJUVAS, Bikaner, Rajasthan)	28.06.2016 to 27.10.2022	Teaching, Research, Extension
		23.02.2024 to till date	
Nodal Officer, MGMG (Additional charge)	Mera Gaon Mera Gaurav (MGMG), CVAS, Navania, Udaipur (RAJUVAS, Bikaner, Rajasthan)	23.02.2018 to 27.10.2022	Coordinating with scientists and conducting rural development activities in villages
Officer In-charge (Additional charge)	Pashu Vigyan Kendra (PVK) formerly Veterinary University Training and Research Centre (VUTRC), Jodhpur (RAJUVAS, Bikaner, Rajasthan)	15.06.2019 to 19.02.2021	Conducting training programmes on improved technology and disease diagnostic services through lab to livestock farmers
In-charge Purchase (Additional charge)	College of Veterinary and Animal Science, Navania, Udaipur (RAJUVAS, Bikaner, Rajasthan)	24.09.2019 to 18.04.2022	Purchasing/hiring of various goods/services in the campus
In-charge, Information and Communication Cell (Additional charge)	College of Veterinary and Animal Science, Navania, Udaipur (RAJUVAS, Bikaner, Rajasthan)	02.10.2019 to 27.10.2022	Media coverage of events and activities of the campus
Technical Officer/ Advisor to Dean (Additional charge)	College of Veterinary and Animal Science, Navania, Udaipur (RAJUVAS, Bikaner, Rajasthan)	06.08.2020 to 20.10.2021	Assisting or advising Dean in technical matters/issues of college
In-charge Scholarship (Additional charge)	College of Veterinary and Animal Science, Navania,	15.12.2020 to 07.01.2022	Handling student scholarship and other

	Udaipur (RAJUVAS, Bikaner, Rajasthan)		related matters of college
In-charge Building (Additional charge)	College of Veterinary and Animal Science, Navania, Udaipur (RAJUVAS, Bikaner, Rajasthan)	18.11.2021 to 27.10.2022	Monitoring and supervision of activities regarding maintenance of campus building
Officer In-charge	Pashu Vigyan Kendra (PVK), Dholpur (RAJUVAS, Bikaner, Rajasthan)	28.10.2022 to 22.02.2024	Organizing training programmes and other extension activities on improved Animal husbandry + Rendering disease diagnostic services to livestock owners

AWARDS AND DISTINCTIONS DURING EDUCATIONAL & PROFESSIONAL CAREER

- ✓ A **certificate of appreciation** by Punjab Agricultural University, Ludhiana for participating in the “NAAS Zonal Level Elocution Competition 2012-13” held on November 01, 2012.
- ✓ A **certificate of leadership** as **Team Manager** of a team from RAJUVAS, Bikaner (Raj) participated in the “14th AGRI UNIFEST” held on 13-17 Feb. 2014 at University of Agricultural Sciences, GKVK, Bengaluru (Karnataka).
- ✓ **Felicitation by HVC, RAJUVAS** on Independence Day-2017 function at university headquarter for acting as Nodal Officer - MGMG programme, Swatchh Bharat Mission and documenting all progress reports of CVAS, Navania.
- ✓ Felicited to act as **Repporteur** in the technical session-IV of the 3rd National conference of SVAHE on ‘Livestock Development for Societal Needs: Extension and Allied Sectors Initiatives’ from 03-05 April, 2019 at GB Pant University of Agriculture & Technology, Pantnagar (Uttarakhand).
- ✓ Received **Best Poster Presentation Award** in the XXIX Annual Conference of IAAVR & National Symposium on “Advancements in Veterinary Medical Research Contributing to ‘One Health’ for betterment of Animal and Public Health and their Welfare” from April 08-09, 2022 at CVAS, Navania, Udaipur (Rajasthan).
- ✓ Received **Young Extension Scientist Award** in 4th National Conference of Society for Veterinary and Animal Husbandry Extension (SVAHE) on ‘Pluralistic Approaches for Livestock Development – An Extension Call’ from May 06-08, 2022 at DGCN College of Veterinary & Animal Sciences, CSK HPKV, Palampur (HP).
- ✓ **Felicitation by HVC, RAJUVAS** on Independence Day-2022 function at university headquarter

for getting **Young Extension Scientist Award** in 4th National Conference of SVAHE from May 06-08, 2022 at CSK HPKV, Palampur (HP).

- ✓ Received '**Excellence in Extension Award-2023**' by Agro Environmental Development Society (AEDS) Rampur, Uttar Pradesh, India & Centre for Agribusiness Incubation and Entrepreneurship, Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya, Gwalior, Madhya Pradesh, India in 8th International Conference on "Recent Advances in Agriculture, Animal Husbandry, Sciences & Technology for Sustainable Entrepreneurship (RAAAHSTSE-2023)" on March 26-28, 2023 at Rajmata Vijayaraje Scindia Krishi Vishwa Vidyalaya Gwalior, Madhya Pradesh, India.
- ✓ Received '**Innovative Extension Educationist Award**' in the 5th National Conference of Society for Veterinary and Animal Husbandry Extension (SVAHE) on 'Smart Livestock Extension for Enhancing Farmers' Income – An Extension Bounty' held at Khalsa College of Veterinary & Animal Sciences (KCVAS), Amritsar, (Punjab) from 12-14 October, 2023.
- ✓ Received '**Best Poster Presentation Award**' in the 5th National Conference of Society for Veterinary and Animal Husbandry Extension (SVAHE) on 'Smart Livestock Extension for Enhancing Farmers' Income – An Extension Bounty' held at Khalsa College of Veterinary & Animal Sciences (KCVAS), Amritsar, (Punjab) from 12-14 October, 2023.

TRAINING ATTENDED

Title of the training/Course	Duration with dates	Sponsored/Organized by
Training on "Feed and Mineral Mixture Manufacturing"	February 22-March 02, 2012 (10 Days)	Department of Animal Nutrition, College of Vety. Sciences, LLRUVAS, Hisar
Hands on Training on 'Immobilization of Wild Animals for Transportation and Treatment	13.08.2013 (One day)	Centre for Studies on Wildlife Management & Health, CVAS, RAJUVAS, Bikaner
CAFT Training on "Enhancing Training and Teaching-Learning Competencies through Innovative Educational Methodologies and Instructional Technologies"	November 30-December 20, 2016 (21 days)	Sponsored by ICAR and organised by Division of Agricultural Extension, ICAR-IARI, New Delhi
Summer School on "Skill Development through Technological Interventions for Doubling the Farmers Income"	July 30-August 19, 2018 (21 days)	Sponsored by ICAR and organised by Directorate of Research, MPUAT, Udaipur (Rajasthan)
Orientation training programme on 'Teaching Methodology'	10 th -30 th May, 2019 (21 days)	Organised by DEE, RAJUVAS, Bikaner at RAJUVAS, Bikaner

Training on Design Thinking in Research and Education with Focus on Veterinary Sciences	22-27 March, 2021 (6 days)	ICAR-NAARM, Hyderabad
e-Training on ‘Strategies for one health approach to parasitic diseases’	09-29 November, 2021 (21 days)	Organised by Dept. of Vety. Parasitology, College of Vety. Sc. & A.H., Jabalpur (M.P.)
National Training Programme for Faculty Development	04-11 February, 2022 (8 days)	ICAR-NAARM, Hyderabad
Training program on ‘Research priorities in agricultural Extension’	24-25 February, 2022 (2 days)	National Institute of Agricultural Extension Management (MANAGE), Rajendranagar, Hyderabad
CAFT Training on “ICT enabled solutions for agricultural extension and market linkages in the new normal”	January 30-February 19, 2023 (21 days)	Sponsored by ICAR and organised by BAU, Sabour, Bhagalpur, Bihar

MOOCs COURSE ATTENDED

1. Successfully completed with distinction agMOOCs course on ‘Employment Generation among Rural Youth through Agripreneurship’ – a six-week online course (30 July 2019).
2. Successfully participated in agMOOCs course on ‘Agricultural Statistics in Practice’ – a six-week online course (July 11 – August 31 2023).

INVOLVEMENT IN RESEARCH PROJECTS

- **Master research work:** The experience is gained through my own M.V.Sc. research work on thesis entitled: **Problems and Prospects of Sheep Husbandry in Western Harvana.**
- **Doctorate research work:** The experience is gained through my own Ph.D. research work on thesis entitled: **Problems and Prospects of Information and Communication Technologies (ICTs) Use by Livestock Owners in Southern Rajasthan.**
- **Guided Eight (08) M.V.Sc. students in Vety. & A.H. Extension Education as Major advisor.**
- **Guided Three (02) M.V.Sc. students in Vety. Medicine (01), Vety. Gynaecology and Obstetrics (01) as Dean PGS Nominee in advisory committee.**

S.N.	Research Title	Year	Capacity in which associated	Institute	Name of Scholar
1.	Problems and Prospects of	2012	M.V.Sc. Research	LLRUVAS, Hisar	Tikam

	Sheep Husbandry in Western Haryana		Scholar	(Haryana)	Chand Goyal (Myself)	
2.	Problems and Prospects of Information and Communication Technologies (ICTs) Use by Livestock Owners in Southern Rajasthan	2020	Ph.D. Research Scholar	RAJUVAS, Bikaner (Rajasthan)	Tikam Chand Goyal (Myself)	
3.	Information Seeking Behaviour of Tribal Livestock Owners in Sirohi District of Rajasthan	2017	Major Advisor	Dept. of Vety. A.H. Extension Education, CVAS, Navania, Vallabh Nagar, Udaipur	Rohitash Kumar	
4.	Role of Farm Women in Dairy Animal Management in Udaipur District of Rajasthan	2018	Major Advisor		Harshita Bhumra	
5.	Entrepreneurial Behaviour of Dairy Farmers in Udaipur District of Rajasthan	2018	Major Advisor		Vinay Kumar	
6.	Training Needs of Dairy Farmers in Udaipur District of Rajasthan	2020	Major Advisor		Kuldeep Singh	
7.	Awareness and Utilization Pattern of E-resources among Postgraduate Students of RAJUVAS Bikaner	2021	Major Advisor		Ravta Ram	
8.	Study on Job Performance and Job Satisfaction of Veterinary Officers in Rajasthan State	2022	Major Advisor		Suman Meena	
9.	Animal welfare practices followed by dairy farmers in Udaipur district of Rajasthan	2023	Major Advisor		Pooja Thakan	
10.	Study on different livestock service delivery systems in Udaipur district of Rajasthan	2023	Major Advisor		Pawan Saini	
11.	Studies on Clinico-haemato-biochemical changes and therapeutic management of Acidosis in Goats	2022	Dean PGS Nominee		Dept. of Vety. Medicine, CVAS, Navania, Vallabh Nagar, Udaipur	Arvind Kumar Bairwa
12.	Evaluation of different motility patterns of fresh ejaculates and estimation of minimum sperm concentration suitable for cryopreservation in buffalo (<i>Bubalus bubalis</i>)	2023	Dean PGS Nominee		Dept. of Vety. Gynaecology and Obstetrics, CVAS, Navania, Vallabh Nagar, Udaipur	Krishna Nand Bansal

THESIS EVALUATION

Ph.D. Thesis – One (01)

M.V.Sc. Thesis – One (01)

RESEARCH ARTICLES REVIEWED: Acted as **REVIEWER AND EDITOR IN VARIOUS JOURNALS**

- reviewed research papers/articles.

Area of specialization in Extension

I'm interested in Extension especially:

- 📚 Organic animal husbandry, Adoption behaviour, Impact analysis of A.H. developments programme, Information seeking behaviour and Training needs analysis (TNA).
- 📚 Women empowerment, gender participation, rural development.
- 📚 Knowledge, adoption and constraints analysis in improved animal production practices.
- 📚 Information and communication technology in technology transfer to end users.
- 📚 E-resources utilization behaviour of youth and college students.
- 📚 Job performance and satisfaction of field veterinary officers.
- 📚 Knowledge and adoption of Animal welfare practices.
- 📚 Livestock service delivery system in Rajasthan.

SKILLS ON HAND:

- 📚 Organization of training programmes for farmers, vets and paravets.
- 📚 Efficient in research design, sampling and statistical tools.
- 📚 Efficient in Social survey, monitoring, surveillance & evaluation.
- 📚 Expertise in application of extension teaching methods (individual, group & mass methods)
- 📚 Holding seminars, exhibitions, fairs, lectures, meetings etc.
- 📚 Handling of audio-visual aids i.e., OHP, P.A.S, Poster, Chart, Flash card etc.
- 📚 Efficient in Animal Husbandry Extension Programme Management.
- 📚 Expertise in case study and report writing.
- 📚 Well-known about latest extension techniques: GIS, RRA, PRA, CPM, PERT etc.

PROFESSIONAL AFFILIATION

- 📚 Registered member of Rajasthan State Veterinary Council (RSVC) since 2010.
- 📚 Life member of the journal Veterinary Practitioner (VP) since 2013.
- 📚 Life member of Indian Veterinary Extension Forum (IVEF), since 2014.
- 📚 Life member of Rajasthan Society of Extension Education since 2016.
- 📚 E-editor for Indian Journal of Extension Education and Rural Development (IJEE&RD) of Rajasthan Society of Extension Education (RSEE) since 2019.

- 🏠 Life member of Society of Veterinary & Animal Husbandry Extension (SAVHE) since 2019.
- 🏠 Editorial board member (Associate Editor) in Acta Scientific Veterinary Sciences (ASVS) since 2022.
- 🏠 Life member of Indian Society for Advancement of Canine Practice (ISACP) since 2022.
- 🏠 Life member of Agro Environment Development Society (AEDS) since 2023.

PUBLICATIONS:

a). Research papers in national reputed NAAS rated journals

1. **Tikam C. Goyal**, S.S. Sangwan, S.P. Singh and Gautam (2013). Scientific breeding and management of sheep – Farmers' knowledge. *Indian Journal of Small Ruminants*; 19(2): 202-207.
2. M.P. Kajla, G.S. Manohar, S.P. Joshi, Rakhi Verma and **Tikam C. Goyal** (2014). Prevalence of gastrointestinal parasites in buffaloes. *Veterinary Practitioner*; 15(2): 274-275.
3. **Tikam C. Goyal**, S.S. Sangwan, S.P. Singh, Gautam, T.C. Agarwal and M.P. Kajla (2015). Knowledge and adoption of improved health-care practices by sheep farmers in western Haryana. *Veterinary Practitioner*; 16(2): 333-336.
4. Bharti Gurjar, Devi Singh Rajput, N.K. Sharma, **Tikam C. Goyal** and N.R. Purohit (2015). Constraints perceived by livestock owners related to organic animal husbandry practices. *Ruminant Science*; 4(2): 195-198.
5. A.K. Jain, N.K. Sharma, **Tikam C. Goyal**, O.P. Meena and P. Mishra (2016). Constraints perceived by stakeholders about animal health delivery services in Tonk district of Rajasthan. *Indian Journal of Extension Education and Rural Development*; 24: 91-96.
6. N.K. Sharma, R.K. Sharma, Hari R., **Tikam C. Goyal** and A.K. Jain (2016). Prevailing animal husbandry practices and knowledge of livestock farmers in Udham Singh Nagar district of Uttarakhand. *Veterinary Practitioner*; 17(1): 152-153.
7. Rohitash Kumar, **Tikam C. Goyal** and N.K. Punjabi (2017). Constraints causing concern to tribal livestock owners in seeking information from different sources and channels of information. *Indian Journal of Extension Education and Rural Development*; 25: 172-175.
8. Bharti Gurjar, Devi Singh Rajput, N.K. Sharma, **T.C. Goyal** and Pankaj Mishra (2017). Knowledge and adoption level of livestock owners regarding health care practices towards organic animal husbandry management system. *Ruminant Science*; 6(2): 353-356.
9. Harshita Bhumra, **Tikam C. Goyal** and N.K. Punjabi (2018). Knowledge of Dairy Farm Women Regarding Scientific Management of Dairy Animals in Udaipur District. *Indian Journal of Extension Education and Rural Development*; 26: 82-88.
10. Rohitash Kumar, **Tikam C. Goyal**, N.K. Punjabi and Devi Singh Rajput (2018). Information seeking behaviour of tribal livestock owners in Sirohi district of Rajasthan. *Indian Journal of Extension Education and Rural Development*; 26: 186-189.
11. Rohitash Kumar, **Tikam C. Goyal**, Devi Singh Rajput and Rahul Choudhary (2018). Credibility of different sources and channels of information perceived by tribal livestock owners in Sirohi district of Rajasthan. *International Journal of Current Microbiology and Applied Sciences*; 7(9): 1804-1808.

12. **Tikam C. Goyal**, Rohitash Kumar, N.K. Punjabi, Harshita Bhumra and Ravta Ram (2019). Role performance of training elements in institutional training organized for forest guards of Udaipur district. *Indian Journal of Extension Education and Rural Development*; **27**: 66-69.
13. Rohitash Kumar, **Tikam C. Goyal**, N.K. Punjabi, Ravta Ram and Harshita Bhumra (2019). Opinion of veterinary students towards internet usage in Udaipur district of Rajasthan. *Indian Journal of Extension Education and Rural Development*; **27**: 141-143.
14. **Tikam C. Goyal**, Devi Singh Rajput, N.K. Punjabi, Rohitash Kumar and Harshita Bhumra (2020). Attitude of livestock owners towards Information and Communication Technologies (ICTs) utilization in southern Rajasthan. *International Journal of Current Microbiology and Applied Sciences*; **9(9)**: 2451-2457.
15. **Tikam C. Goyal**, Devi Singh Rajput, N.K. Punjabi, Rohitash Kumar and Harshita Bhumra (2020). Constraints perceived by livestock owners in utilization of Information and Communication Technologies (ICTs) in Southern Rajasthan. *Veterinary Practitioner*; **21(2)**: 320-323.
16. Vinay Kumar, **Tikam C. Goyal** and Rohitash Kumar (2020). Personal antecedents of dairy entrepreneurs in Udaipur district of Rajasthan. *Journal of Entomology and Zoology Studies*; **8(5)**: 2210-2214.
17. Harshita Bhumra, **Tikam C. Goyal**, Sunil Rajoria, Rohitash Kumar, Ruhi Meena and Manisha Singodia (2021). Role played by dairy farm women in scientific management of dairy animals in Udaipur district of Rajasthan. *The Pharma Innovation Journal*; **SP-10(1)**: 102-107.
18. Rohitash Kumar, **Tikam C. Goyal**, Harshita Bhumra, Ravta Ram and Sunil Rajoria (2021). Newspaper reading habits of veterinary students of College of Veterinary and Animal Science, Navania, Udaipur (Rajasthan). *The Pharma Innovation Journal*; **SP-10(2)**: 198-201.
19. Ravta Ram, **Tikam C. Goyal**, Rohitash Kumar, Rahul Bajroliya, Aditya Kumari and Harshita Bhumra (2021). Personal characteristics of postgraduate students towards utilization of e-resources of RAJUVAS Bikaner. *The Pharma Innovation Journal*; **SP-10(3)**: 31-35.
20. Harshita Bhumra, **Tikam C. Goyal**, Sunil Rajoria, Rohitash Kumar and Maina Kumari (2021). Constraints perceived by women dairy farmer in scientific management of dairy animals in Rajasthan. *Indian Journal of Extension Education*; **57(2)**: 122-128.
21. Ravta Ram, **Tikam C. Goyal**, Gaurav Kumar Bansal, Rohitash Kumar and Suman Meena (2022). Constraints in utilization of e-resources by postgraduate students of RAJUVAS Bikaner. *The Pharma Innovation Journal*; **SP-11(2)**: 566-569.
22. Ravta Ram, **Tikam C. Goyal**, Gaurav Kumar Bansal, Rohitash Kumar and Suman Meena (2022). Extent and utilization pattern of e-resources among postgraduate students of RAJUVAS Bikaner. *The Pharma Innovation Journal*; **SP-11(2)**: 920-924.
23. Ravta Ram, **Tikam C. Goyal**, Rohitash Kumar, Gaurav Kumar Bansal, Chandra Pal Singh and Hitesh Budania (2022). Awareness about e-resources among postgraduate students of RAJUVAS Bikaner. *The Pharma Innovation Journal*; **SP-11(2)**: 925-928.
24. Vinay Kumar, **Tikam C. Goyal**, Rohitash Kumar, Deepak Gill and Vipin Chandra (2022). Constraints perceived by the dairy entrepreneurs in dairy farming. *Ruminant Science*; **11(1)**: 165-168.
25. Vinay Kumar **Tikam C. Goyal**, Rohitash Kumar and N.K. Punjabi (2022). Study on achievement motivation and risk orientation among dairy entrepreneurs and collates with their socio-economic and psychological characteristics. *The Pharma Innovation Journal*; **SP-11(6)**: 1741-1744.

26. Bharti Gurjar, Devi Singh Rajput, Manisha Mehra, **Tikam C. Goyal** and Pravin Bano (2022). Study on knowledge level of livestock owners related to management aspect of organic animal husbandry practices in arid region of Rajasthan. *The Pharma Innovation Journal*; SP-11(7): 1027-1030.
27. Pooja Thakan, **Tikam C. Goyal**, Manisha Singodiya, Pawan Saini and Umesh Choudhary (2022). Socio-economic and psychological characteristics of dairy farmers of Udaipur district. *The Pharma Innovation Journal*; SP-11(9): 3121-3124.
28. Vinay Kumar, **Tikam C. Goyal**, Rohitash Kumar and Vivek Saharan (2022). Relationship between personal attributes and entrepreneurial behaviour of dairy farmers. *The Haryana Veterinarian*; 61(SI-2): 65-70.
29. Pawan Saini, **Tikam C. Goyal**, Rohitash Kumar, Pooja Thakan, Lokesh Gautam, Manisha Singodiya and Umesh Choudhary (2023). Socio-economic profile of livestock owners in Udaipur district of Rajasthan. *The Pharma Innovation Journal*; SP-12(3): 4860-4864.
30. Vinay Kumar, **Tikam C. Goyal**, Rohitash Kumar, Vipin Chandra and Deepak Gill (2023). Constraints perceived by the dairy entrepreneurs in dairy farming in Udaipur district. *Ruminant Science*; 12(1): 75-80.
31. Suman Meena, Vikas Kumar Meena, **Tikam C. Goyal**, Pushpa, Hemant Kumar Jediya and Ravta Ram (2023). A study on socio personal characteristics of veterinary officers in Rajasthan state. *The Haryana Veterinarian*; 62(1): 151-154.
32. Vinay Kumar, **Tikam C. Goyal**, Rohitash Kumar, Deepak Gill and Vipin Chandra (2024). Entrepreneurial behaviour of dairy farmers in Udaipur district of Rajasthan. *Veterinary Practitioner*; 25(1): 151-154.

(b) Lead paper in Conference

1. Devi Singh Rajput and **Tikam C. Goyal**. Technology transfer in livestock sector: veterinary extension perspective. National Conference on Push to Livestock Farming through Knowledge Empowerment of the Farmers from 18-20 November, 2015 at GADVASU, Ludhiana (Punjab).
2. **Tikam C. Goyal**, *et al.* (2022). Application of ICTs in Livestock Production and Health Management. 22nd Indian Veterinary Congress, XXIX Annual Conference of IAAVR & National Symposium on “Advancements in Veterinary Medical Research Contributing to ‘One Health’ for betterment of Animal and Public Health and their Welfare” from April 08-09, 2022 at CVAS, Navania, Vallabh Nagar, Udaipur (RAJUVAS, Bikaner) Rajasthan.

(d) Practical Manuals

1. A Practical Manual - Audio-Visual Aids for Extension Techniques in Veterinary Practice and Livestock Production; AHE – 411; 3(2+1) – B.V.Sc. & A.H. (IV year), Dept. of Vety. & A.H. Ext. Edu., CVAS, RAJUVAS (Bikaner).
2. A Practical Manual - Animal Husbandry Extension – I; AHD – 141; 3(2+1) – Animal Husbandry Diploma Programme, Dept. of Vety. & A.H. Ext. Edu., CVAS, RAJUVAS (Bikaner).
3. A Practical Manual - Animal Husbandry Extension – II; AHD – 142; 3(2+1) – Animal Husbandry Diploma Programme, Dept. of Vety. & A.H. Ext. Edu., CVAS, RAJUVAS (Bikaner).
4. A Practical Manual – Principles and Techniques of Veterinary and Animal Husbandry Extension; VAE – 311; 3(2+1) – III Year B.V.Sc. & A.H. Programme, Dept. of Vety. & A.H. Ext. Edu., CVAS, Navania, RAJUVAS (Bikaner).

5. A Practical Manual – Livestock Economics, Marketing and Business Management; VAE – 321; 3(2+1) – III Year B.V.Sc. & A.H. Programme, Dept. of Vety. & A.H. Ext. Edu., CVAS, Navania, RAJUVAS (Bikaner).
6. A Practical Manual – Environmental Studies (Non-credit course); VAE – 221; 4(3+1) – II Year B.V.Sc. & A.H. Programme, Dept. of Vety. & A.H. Ext. Edu., CVAS, Navania, RAJUVAS (Bikaner).
7. A Practical Manual – Veterinary and Animal Husbandry Extension Education (Unit – I); 4(3+1) – III Year B.V.Sc. & A.H. Programme, Dept. of Vety. & A.H. Ext. Edu., CVAS, Navania, RAJUVAS (Bikaner).
8. A Practical Manual – Veterinary and Animal Husbandry Extension Education (Unit – II); 4(3+1) – III Year B.V.Sc. & A.H. Programme, Dept. of Vety. & A.H. Ext. Edu., CVAS, Navania, RAJUVAS (Bikaner).

(e) Books published

Chapters in book: contributed three chapters in books

1. Chapter title: **‘Biosecurity in Dairy Health’** in the book entitled **‘The Essentials of Biosecurity for Indian Dairy Farm’**. Published by Hind Publications, Hyderabad, India (ISBN No. 978-93-83397-24-2; Year - 2016).
2. Framed subject questions for Vety. Extension in the Question bank entitled **‘Introductory Veterinary Science’** published by Himanshu Publications, Udaipur, (Raj) India (ISBN No. 978-81-7906-591-4; Year - 2016).
3. Chapter title: **‘Extension Approaches in Raising Awareness among Livestock Holders against Parasitic Diseases or infections’** in the book entitled **‘Parasitology – Camera Lucida to Omics’**. Published by Himanshu Publications, Udaipur, (Raj) India (ISBN No. 978-81-7906-711-6; Year - 2018).
4. Chapter title: **‘Role of ICT in Health Communication’** in the book entitled **‘The One Health Approach’**. Published by Royal Imaging, Vallabh Nagar, Udaipur & Jain Printer, Udaipur, (Raj) India (ISBN No. 979-84-468716-4-3; Year - 2022).
5. Chapter title: **‘Extension Teaching Methods’** in the book entitled **‘Advanced Trends in Agricultural Extension (Volume - 3)’**. Published by Integrated Publications, New Delhi, India (ISBN No. 978-93-93502-04-9; Pages: 167; Year - 2022).
6. Chapter title: **‘Rural Sociology in Veterinary Extension-I’** in the book entitled **‘A textbook of Veterinary and Animal Husbandry Extension Education’**. Published by New Delhi Publisher, New Delhi, India (ISBN No. 9788119006236; Pages: 510; Year - 2023).
7. Chapter title: **‘Animal Welfare Concerns in Food Producing Animals’** in the book entitled **‘Realization of One Health Concept through New Age Research Technologies’**. Published by Yash Publishing House, Bikaner (Rajasthan) India (ISBN No. 9788186882510; Pages: 206; Year - 2024).

(f) Popular articles

S. N.	Title of article	Published in	Published by	Year
1.	प्रसव काल में पशुओं की देखभाल कैसे करें	पशुपालक प्रशिक्षण संदर्शिका – पशु खाद्य प्रौद्योगिकी हस्तांतरण विषयक	सीवीएएस, नवानियों, उदयपुर (राजुवास, बीकानेर)	2016
2.	पशुओं में कुपोषण की समस्या एवं बचाव	पशुपालक प्रशिक्षण संदर्शिका – पशु खाद्य प्रौद्योगिकी हस्तांतरण विषयक	सीवीएएस, नवानियों, उदयपुर (राजुवास, बीकानेर)	2016
3.	वन्य-जीवन पर्यटन –	वनरक्षकों एवं वनपालकों प्रशिक्षण	सीवीएएस, नवानियों, उदयपुर	2016

	संरक्षण का एक तरीका	संदर्शिका – वन्य-जीव: बचाव तकनीक एवं देखभाल	(राजुवास, बीकानेर)	
4.	टर्कीपालन से बेहतर आय	हलधर टाइम्स – साप्ताहिक कृषिक समाचार पत्र, जयपुर (राज.) वर्ष-14; अंक-17; 18-24 फरवरी, 2019		2019
5.	उन्नत पशुपालन के लिए तकनीकी हस्तांतरण की विधियां एवं तकनीक	पशुपालक प्रशिक्षण संदर्शिका – उन्नत पशुपालन विषयक	सीवीएस, नवानियों, उदयपुर (राजुवास, बीकानेर)	2019
6.	पशुओं के संक्रमण काल में प्रबंधन का महत्व	राजस्थान खेती प्रताप – मासिक समाचार पत्रिका (पं.सं. RAJHIN/2004/14462) वर्ष-16; अंक-7; जनवरी, 2020	प्रसार शिक्षा निदेशालय, एमपीयुएटी, उदयपुर (राज.)	2020
7.	बकरियों में होने वाली 9 प्रमुख बिमारियाँ व परजीवी रोग	कृषिसेवा – ऑनलाईन कृषि पत्रिका (published on 07.10.2020)	www.krishisewa.com	2020
8.	ग्रामीण पशुपालकों की अर्थव्यवस्था में पशुधन की भूमिका	पशुधन ज्ञान – अर्धवार्षिक पत्रिका (पं.सं. HARHIN/2015/63352) वर्ष-7; अंक-1; पेज: 32-34; जनवरी, 2021	विस्तार शिक्षा निदेशालय, लुवास, हिसार (हरियाणा)	2021
9.	पशुओं में थनैला रोग	खेती – मासिक हिन्दी पत्रिका (आईएसओ 9001:2015) वर्ष-74; अंक-3; पेज: 12-13; जुलाई, 2021	भारतीय कृषि अनुसंधान परिषद, नई दिल्ली	2021
10.	सम्पूर्ण चारा ईट: पशुओं के लिए सर्वोत्तम आहार	कृषक आराधना: हिन्दी साप्ताहिक समाचार पत्र, ग्वालियर (म.प्र.) वर्ष-08; अंक-47; पेज-3; 21-27 फरवरी, 2022; RNI No. MPHIN/2014/54645; ISSN: 2582-7286; www.krishakbharti.in ; krishakaradhna@gmail.com		2022
11.	मुर्गियों के फीड में हार्मोन क्यों न दें	कृषक दूत: हिन्दी साप्ताहिक समाचार पत्र, भोपाल (म.प्र.) वर्ष-22; अंक-45; 05-11 अप्रैल, 2022; RNI No. MPHIN/2000/06836; डाक पंजीयन क्र. एम.पी/भोपाल 625/2021-23; krishakdoot@yahoo.com		2022
12.	मुर्गियों के फीड में हार्मोन क्यों न दें	पोल्ट्री मंच: हिन्दी मासिक पत्रिका, नई दिल्ली; वर्ष-8; अंक-4; अप्रैल, 2022; पेज-25; E-mail: poultrymanch@gmail.com ; website: www.poultrymanch.com		2022
13.	खरगोश पालन-कम लागत में अधिक मुनाफा	खेती – मासिक हिन्दी पत्रिका (आईएसओ 9001:2015) वर्ष-75; अंक-1; पेज: 16-18; मई, 2022	भारतीय कृषि अनुसंधान परिषद, नई दिल्ली	2022
14.	कैसे करें दुधारू पशु का चयन	खेती – मासिक हिन्दी पत्रिका (आईएसओ 9001:2015) वर्ष-75; अंक-1; पेज: 53-54; मई, 2022;	भारतीय कृषि अनुसंधान परिषद, नई दिल्ली	2022
15.	खीस का महत्व	खेती – मासिक हिन्दी पत्रिका (आईएसओ 9001:2015) वर्ष: 76; अंक: 9; पेज: 17-18; जनवरी, 2024;	भारतीय कृषि अनुसंधान परिषद, नई दिल्ली	2024
16.	आईसीटी के माध्यम से पशु चिकित्सा	खेती – मासिक हिन्दी पत्रिका (आईएसओ 9001:2015) वर्ष: 77; अंक: 3; पेज: 20-21; जुलाई, 2024;	भारतीय कृषि अनुसंधान परिषद, नई दिल्ली	2024

(g) Extension publications

S. N.	Title of publication	Type of publication	Published by	Year
1.	पशुओं में थनैला रोग	लीफ्लेट	Dept. of Vety. Extension, CVAS, Navania	2014
2.	आफरा: एक जानलेवा बीमारी	लीफ्लेट	-do-	2014
3.	संतुलित पशु आहार	लीफ्लेट	-do-	2014

4.	पशुओं में टीकाकरण	लीफ्लेट	-do-	2014
5.	उन्नत पशु पालन हेतु सुझाव	लीफ्लेट	-do-	2014
6.	पशुओं में अन्तः परजीवी	लीफ्लेट	-do-	2014
7.	स्वच्छ भारत अभियान	लीफ्लेट	-do-	2015
8.	कृत्रिम गर्भाधान	फोल्डर	-do-	2016
9.	उन्नत पशुपालन	फोल्डर	-do-	2016
10.	खुरपका एवं मुंहपका रोग	फोल्डर	-do-	2016
11.	जाफराबादी भैंस	लीफ्लेट	-do-	2017
12.	वर्मी कम्पोस्ट (केंचुआ खाद)	लीफ्लेट	-do-	2017
13.	पशुओं में थनैला रोग	फोल्डर	-do-	2018
14.	नवजात बछड़ा-बछड़ी का आहार प्रबंधन	फोल्डर	-do-	2018
15.	पशुओं को उनकी पहचान हेतु चिन्हित करना	फोल्डर	-do-	2019
16.	पॉलीथीन: पशुओं के लिए जानलेवा	फोल्डर	-do-	2021
17.	पशुओं में होने वाले परजीवी जनित रोग	फोल्डर	-do-	2021
18.	पशुओं के प्रमुख अंतः परजीवी रोग	फोल्डर	-do-	2021
19.	पशुओं में अंतः परजीवी रोगों की रोकथाम व उपचार	फोल्डर	-do-	2021
20.	लंपी स्किन रोग	लीफ्लेट	-do-	2022

(e) Radio talks

S. N.	Title or topic	Broadcast by	Broadcast date
1.	पशुओं में स्वास्थ्य प्रबंधन	All India Radio, Udaipur	19.03.2019

(f) TV talks

S. N.	Title or topic	Broadcast by	Broadcast date
1.	African Swine Fever	DD Kisan, New Delhi	20.11.2022

TRAINING ORGANISED AS COURSE DIRECTOR/INCHARGE/ASSOCIATE

- ☞ Organised on & off-campus and online trainings and trainings under **SC-SP scheme & ATMA** for livestock owners including farm women on various topics of animal husbandry as In-charge, PVK, Jodhpur (formerly VUTRC, Jodhpur) in different villages of Jodhpur district.
- ☞ Organised on & off-campus trainings and trainings under **ATMA** for livestock owners including farm women on various topics of animal husbandry as In-charge, PVK, Dholpur in different villages of Dholpur district.

SEMINAR/CONFERENCE/WORKSHOP ATTENDED

1. Global Conference on “Women in Agriculture” on Mar. 13-15, 2012 at New Delhi, India.

2. International Conference on “Extension Education in the Perspectives of Advances in NaRMA-IV” on Dec. 19-21, 2012 at SKRAU, Bikaner (RAJ).
3. National Seminar and Annual Conference on “Future Challenges and Opportunities to Improve Health and Production of Small Ruminants” on Dec. 22-23, 2012 at CIRG, Mathura (UP).
4. National Seminar on “Agribusiness Potential of Rajasthan” on Mar. 19-20, 2013 at SKRAU, Bikaner (RAJ).
5. A workshop on “Wildlife Management and Health” held at Centre for Studies on Wildlife Management & Health, College of Veterinary and Animal Science, RAJUVAS, Bikaner on 13.08.2013.
6. A Workshop on “Disaster Management for Animals – Challenges and Strategies” held at Centre for Disaster Management Technology for Animals, RAJUVAS, Bikaner on 11.10.2013.
7. 6th Convention of SIIP and International Symposium on “Latest Trends in Immunodiagnosis, Immunopathology and Immunomodulation” on Dec. 22-24, 2013 at RAJUVAS, Bikaner (RAJ).
8. Interactive meeting on “Prospects in improving production, marketing and value addition of carpet wool” on Dec. 31, 2013 at ARC, CSWRI, Beechwal, Bikaner (RAJ).
9. National Symposium on “Veterinary Anatomy Vision 2050 – Improvement and Challenges and Opportunities in Relation to Animal as well as Human Health and Biodiversity” & XXVIII Annual Convention of Indian Association of Veterinary Anatomists on Jan. 8-10, 2014 at RAJUVAS, Bikaner (RAJ).
10. 7th National Extension Education Congress-2014 on ‘Translational Research-Extension for Sustainable Small Farm Development’ from 08-11 November, 2014 at Umiam, Meghalaya.
11. National workshop on National Information System on Agricultural Education Network in India at RAJUVAS, Bikaner on 16-17 Dec., 2014.
12. XIV Annual Conference of IAVPHS & National Symposium on Innovative Approaches to Promote Food Safety and Reduce the Risk of Zoonotic Diseases in Context of Climate Changes from 21-22 November, 2016 organized by CVAS, Navania (RAJUVAS, Bikaner) at CTAE, MPUAT, Udaipur (Raj).
13. XXVII National Congress of Veterinary Parasitology and National Symposium on ‘Technological for Sustainable Parasite Control and Redressal of Detection Methods Directed for Upliftment of Rural Economy’ from 12-14, February, 2018 organized by CVAS, Navania (RAJUVAS, Bikaner) at RCA, MPUAT, Udaipur (Raj).
14. 9th NEE Congress on ‘Climate Smart Agricultural Technologies: Innovations and Interventions’ from November 15-17, 2018 organised by SEE, Agra at CAEPHT, Ranipool, Sikkim.
15. VI Annual Convention of SVSBT and National Symposium on ‘Newer concepts and approaches for improvement in Animal Health and Production’ from 13-14 December, 2018 organised by CVAS, Navania, Udaipur (RAJUVAS, Bikaner) Rajasthan.

16. 3rd National conference of SVAHE on ‘Livestock Development for Societal Needs: Extension and Allied Sectors Initiatives’ from 03-05 April, 2019 at GB Pant University of Agriculture & Technology, Pantnagar (Uttarakhand).
17. 22nd Indian Veterinary Congress, XXIX Annual Conference of IAAVR & National Symposium on “Advancements in Veterinary Medical Research Contributing to ‘One Health’ for betterment of Animal and Public Health and their Welfare” from April 08-09, 2022 organised by Department of Veterinary Microbiology, College of Veterinary & Animal Science, Navania, Vallabh Nagar, Udaipur (RAJUVAS, Bikaner) Rajasthan.
18. 4th National conference of SVAHE on ‘Pluralistic Approaches for Livestock Development – An Extension Call’ from 06-08 May, 2022 at DGCN College of Veterinary & Animal Sciences, CSK HPKV, Palampur (Himachal Pradesh).
19. National Congress on Canine Practice & Symposium on ‘Newer Concepts and Approaches in Small Animal Practice and Welfare’ and XVIIIth Annual Convention of Indian Society for Advancement of Canine Practice during 22-24 September, 2022 at Udaipur organised by Department of Veterinary Medicine, CVAS, Navania, Udaipur (RAJUVAS, Bikaner) Rajasthan.
20. 5th National Conference of Society for Veterinary and Animal Husbandry Extension (SVAHE) on ‘Smart Livestock Extension for Enhancing Farmers’ Income – An Extension Bounty’ held at Khalsa College of Veterinary & Animal Sciences (KCVAS), Amritsar, (Punjab) from 12-14 October, 2023.
21. 36th Annual Convention of IAVMI and National Conference on ‘Impact of Animal Health on One Health and National Prosperity’ from June 06-07, 2024 organised by Department of Veterinary Microbiology, College of Veterinary & Animal Science, Navania, Vallabh Nagar, Udaipur (RAJUVAS, Bikaner) Rajasthan.

EXTERNAL EXAMINER AND PAPER SETTER OF VARIOUS EXAMINATIONS

- ☞ Acted as ‘**EVALUATOR CUM EXTERNAL EXAMINER (REFEREE)**’ for various P.G. & Ph.D. Thesis and Viva-voce examination.
- ☞ Acted as external examiner, paper setter and observer for various examination, viva voce of PG & Ph.D. students.
- ☞ Acted as ‘**PAPER SETTER AND EVALUATOR**’ for various UG Examinations of various universities.

(Tikam Chand Goyal)