

	Dr. Akhil Kumar Gupta (B.V.Sc & A.H, M.V.Sc., Ph.D.) Associate Professor-cum-Senior Scientist, Division of Veterinary Microbiology, F.V.Sc. & A.H., SKUAST- Jammu, R S Pura Campus -181102 Email: drakki1984@gmail.com; Mob No. +91-9416445216
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- **Educational Qualifications**

S. No.	Examination Passed	Year	Name of the University	Division
1.	Ph.D.	2014	LUVAS, Hisar	1 st
2.	M.V.Sc.	2010	CCS HAU, Hisar	1 st
3.	B.V.Sc. & A.H.	2008	CCS HAU, Hisar	1 st

- **Teaching and Research and Extension Experience**

Sr. No.	Name of the post	Name & Address of Employer	From	To
1.	Associate Professor-cum-Senior Scientist	SKUAST-Jammu	01-09-2026	Till date
2	Scientist	LUVAS, Hisar	30.04.2016	31.08.2026
3	Research Associate	LUVAS, Hisar	21.01.2015	30.04.2016

- **Area of interest:**

Veterinary Immunology and Microbiology; Recombinant Antibody Engineering (Monoclonal Antibodies, scFv, Nanobodies); Phage Display Technology; Antibody Library Development; Immunodiagnostics.

- **Research project handled as Principal Investigator/Co-PI:**

- **PI: 1 Co-PI: 11**

- **Number of students guided as Major advisor: Ph.D.: 1 M.V.Sc.: Two**

- **Coordinator/co-coordinator/member of organizing an event**

1. **Training Coordinator** in 21 days Comprehensive training for JRF (ICAR) from Feb. 3-23, 2017.
2. **Course Coordinator** in 33rd ICAR-CAFT Course on “Microbiological Techniques for Diagnosis of Emerging and Re-emerging Diseases of Veterinary Importance” from November 20 to December 10, 2019.
3. **Course Coordinator** in 35th ICAR-CAFT Course on “Combating AMR in Livestock and Poultry: Recent Advances in Surveillance, Diagnostics and Therapeutics” from February 01-21, 2023.

4. **Course Coordinator** in 38th ICAR CAFT Course on “Current advances in diagnosis and control of animal diseases” **From Feb. 07-27, 2026.**
5. As **Co-Convenor** In: XIXth Annual Conference of Indian Association of Veterinary Public Health Specialists (IAVPHS) and **International** Symposium on “Promotion of One Health: Opportunities, Challenges and Solutions” going to be held at LUVAS, Hisar from 7th-8th December, 2023.
6. As **Member of Organizing committee** In: XIXth Annual Conference of Indian Association of Veterinary Public Health Specialists (IAVPHS) and **International** Symposium on “Promotion of One Health: Opportunities, Challenges and Solutions” going to be held at LUVAS, Hisar from 7th-8th December, 2023.
7. As **Member of Organizing committee** In: 3rd Annual Convention of Society of Veterinary Biochemists and Biotechnologists of India (SVBBI) and **National** Symposium on “Bridging Biochemical Interventions and Environment Remediations for One Health improvement. held at LUVAS, Hisar from 2-3 Nov. 2018.
8. As **Treasurer** In: XXXIV Annual Conference of IAVMI on the theme “Current Trends in Immunodiagnostics and Vaccinology for Health of Livestock & Poultry” organized by LUVAS, Hisar, Haryana from May 27-28, 2022.
9. As **Member of Organizing committee** In: 43rd Annual Congress of Indian society for veterinary surgery and national symposium, at LUVAS, Hisar from 14-16 November 2019.

• **Awards and recognitions:**

1. **Letter of Appreciation** from **Worthy Vice Chancellor, LUVAS** (2021) for scientific contribution towards successful implementation of LHDGP/FMD+HS combined vaccination in Haryana state as was associated with the testing of serum samples for HS seromonitoring of various rounds of FMD+HS combined vaccination programme.
2. **Awarded Third Position** for Oral Presentation in one of the technical session In: XII Annual Convention of the Society for Veterinary Sciences and Biotechnology (SVSBT) held at LUVAS from 03-05, Dec., 2025. {**Akhil Kumar Gupta**, Anita Dalal, Parveen Kumar, Anshul Lather, Sanjeevna Kumari Minhas, Sachin, Abhishek Bhambhu, Naresh Kumar Kakker and Rajesh Chhabra Seropositivity for circulating Trypanosoma evansi antigen in domestic animals using TE-LAT reagent}.
3. **Awarded First Position** for Oral Presentation in one of the technical session In: XII Annual Convention of the Society for Veterinary Sciences and Biotechnology (SVSBT) held at LUVAS from 03-05, Dec., 2025. {Savita Budhanian, Aman kumar, **Akhil Kumar Gupta**, Rajesh Kumar, Sushila Maan}
4. **Awarded First Position** for Oral Presentation in one of the technical session In: IAVMICON-2023 conference held in Palampur during April 7-8, 2023. {Use of the 'in-house nanobody library' sequence reads archive to design the genes encoding nanobody clones specific for foot-and-mouth disease virus serotype Asia-1 by Anu Malik, Swati Dahiya, Vijay, Savita Budhanian, Punesh Sangwan, **Akhil k. Gupta**, Aman Kumar, Anshul Lather and Ajit Singh}.

5. **Awarded Third Position** for Poster Presentation in one of the technical session In: IAVMICON-2023 conference held in Palampur during April 7-8, 2023. {Puneet Singh, **Akhil Kumar Gupta**, Maneesh Sharma, Gaurav Charaya, Pooja Jangra, Raman, Anshul Lather, Pankaj Kumar, Rajeev Kumar and Rajesh Chhabra Comparative Evaluation of Hemato-Biochemical, Microscopic, Serological and Molecular diagnostic tests for the detection of Trypanosomiasis in bovine}
6. **Awarded Second Position** for Oral Presentation in one of the technical session In: XIXth Annual Conference of Indian Association of Veterinary Public Health Specialists (IAVPHS) and International Symposium on “Promotion of One Health: Opportunities, Challenges and Solutions” going to be held at LUVAS, Hisar from 7th-8th December, 2023. { Seropositivity to T. evansi antigen in serum samples of different animals in Haryana, India **Akhil Kumar Gupta**, Puneet Singh, Jaideep Kumar, Parveen Kumar, Anita Dalal, Raman, Rajeev Kumar, Pooja Jangra, Anshul Lather and Rajesh Chhabra}
7. **Awarded Second Position** for Oral Presentation (2022) in one of the technical session In: XXXIV Annual Conference of IAVMI on the theme “Current Trends in Immunodiagnosics and Vaccinology for Health of Livestock & Poultry” organized by LUVAS, Hisar, Haryana from May 27-28, 2022. {Jaideep Kumar, **Akhil Kumar Gupta**, Swati Dahiya, Anshul Lather, Parveen Kumar, Mahavir Singh and N.K. Kakker Selection of antigen-specific dAb-displaying phages from the phage display library against lipopolysaccharide of *P. multocida* B:2 (vaccine strain).}
8. **Awarded First Position** for Oral Presentation (2018) in one of the technical session In: VI Annual Convention of Society for Veterinary Science & Biotechnology AND National Symposium on “Newer Concepts and Approaches for Improvement in Animal Health and Production held at Navania, Vallabh Nagar, Udaipur (Rajasthan) from 13-14 dec. 2018. {Akhil Kumar Gupta, Ajit Singh, Naresh Kumar Kakker and Jagveer Rawat (2018) Single-domain antibody clone dAb Cl 26, selected from the Phage display library of Indian Desert camel, reduces the levels of Pasteurella multocida (vaccine strain p52) LPS-induced effects on buffalo peripheral leukocytes in vitro}.
- **Extension Education activities**
 1. Contributed to extension programmes benefiting approximately **2,000 farmers annually** through diagnostic, surveillance, and advisory services.
 2. Co-ordinator in the Extension Education awareness programme on Prevention and control of infectious diseases under ICAR-NAE in Village Hindwan Dist Hisar Haryana on 14.03.2021.
 3. Co-ordinator in the Extension training entitled Skill development in animal health for scheduled caste livestock farmer organized under SCSP flagship programme of ICAR at Ramrai Jind Haryana in 2022.
 4. Assisted in providing training to field Veterinarians of the Department of Animal Husbandry and Dairying, Govt. of Haryana on the topic “ The use of TELAT for the diagnosis of surra in domestic animals.
 5. Perform duty in different Kisan melas and pashu pradarhini.

• **Publications:**

S. No.	Type of Publication	Total Number	S. No.	Type of Publication	Total Number
1.	Research Articles	27	6.	Training manual compiled	2
2.	Review articles	5	7.	Chapters in Manuals/ Compendium	52
3.	Short communications	2	8.	Popular articles	23
4.	Books (ISBN)	3	9.	Abstracts in Conferences/ Seminars	25
5.	Book Chapters	29	10.	Gene accession numbers	15

• **List of Major Publications**

S. No.	Publication Title	Journal	NAA S rating
1.	Maan, S. Kumar, A., Gupta, A.K. , Dalal, A., Chaudhary, D., Gupta, T.K., Bansal, N., Kumar, V. , Batra, K., Sindhu, N., Kumar, A., Mahajan, N.K., Maan, N.S. and Mertens, P.P.C. (2017). Concurrent infection of Bluetongue and Peste-des-petits-ruminants virus in small ruminants in Haryana State of India. DOI: 10.1111/tbed.12610	Transboundary and emerging diseases	9.00
2.	Panghal R., Kumar P., Minhas S.K., Mehtani R., Kalonia S., Sheoran D., Kumar P., Gupta A.K. , Chhabra R., Jindal N. (2025). Whole genome sequencing and molecular characterization of porcine astrovirus from Haryana, India. 105: 105816	Infection, Genetics and Evolution	8.60
3.	Kour, R., Kumar, P., Jindal, N., Kumari Minhas, S., Kumar, R., Gupta, A.K. and Malik, A. (2021) Molecular detection and characterization reveals circulation of multiple genotypes of porcine astrovirus in Haryana, India. 166: 2847-2852	Archives of Virology	8.50
4.	Mehtani R., Kumar P., Minhas S.K., Panghal R., Lather A., Kumar R., Singh P., Sheoran D., Gupta A.K. , Chhabra R., Jindal N. (2025). Phylogenomic analysis of bovine astrovirus expands the known repertoire of mamastrovirus genotypes in northern India. 170(9): 194	Archives of Virology	8.50
5.	Khirbat, R., Nanda, T., Kumar, A., Virmani, M., Gupta, A.K. , Jatin, Maan, S., and Joshi, V. G. (2025). H-Y antigen-based immuno-segregation strategies for bovine X sperm enrichment. 243, 117474	Theriogenology	8.50
6.	Mehtani, R., Kumar, P., Minhas, S.K., Panghal, R., Kumar, R., Sheoran, D., Gupta, A.K. , Bangar, Y., Chhabra, R. and Jindal, N. . Assessment of risk factors of bovine astrovirus and diarrhea in dairy farms of Northern India	Preventive Veterinary Medicine	8.40

7.	Budania, S., Kadian, S.K., Kanagarajadurai, K., Yadav, V., Kumar, A. and Gupta A.K. (2024) Molecular and Structural Insights into Buffalo Interleukin-17A. 44(5):221-231	Journal of Interferon and Cytokine Research	7.80
8.	Kumar, V., Dahiya, S., Budania, S. Gupta, A.K. , Sangwan, P., Lather, A., Kumar, P., Kakker, N.K. and Singh, A. (2023) Characterization of Foot-and-Mouth Disease Virus Serotype O-Specific Single Domain Antibody Expressed in the pET Expression System. 63(3): 337-343.	Indian Journal of Microbiology	7.60
9.	Maan, S. Maan, N.S., Batra, K., Kumar, A., Gupta, A.K. , Rao, P.P., Hemadri, D., Reddy, Y.N., Guimera, M., Belaganahalli, M.N. and Mertens, P.P. (2016). Reverse transcription loop-mediated isothermal amplification assays for rapid identification of eastern and western strains of bluetongue virus in India. 234: 65-74	Journal of Virological Methods	7.60
10.	Sharma, M., Patil, C.S., Saharan, S. Gupta. A.K. , Gupta, S. and Jain. V.K. (2022). Clinical Diagnosis and Therapeutic Management of <i>Trypanosoma theileri</i> Infection Associated with Peritonitis in Crossbred Cow: A Rare Case Report. 67(4):1767-1772.	Acta Parasitologica	7.50
11.	Sheoran D., Bhanot V., Minhas S.K., Kumar P., Panghal R., Mehtani R., Gupta A.K. , Kumar P., Chhabra R. (2025). Identification and genetic characterization of porcine rotavirus A in Haryana, India: molecular diversity and relationship with human rotavirus A. 38(1): 66–76.	Journal of Veterinary Diagnostic Investigation	7.10
12.	Malik, A., Gupta, A.K. , Kumar, J., Lather, A., Kumar, P., Singh, M., Dahiya, S. and Kakker, N.K. (2025). Optimization of Culture Conditions for Expression of Anti-lipopolysaccharide Single Domain Antibody Clone in <i>Pichia pastoris</i> . 1-7.	Indian Journal of Animal Research	6.50
13.	Mishra, N., Singh, R., Sirohi, R., Ganguly, B., Gupta, S., and Gupta, A.K. (2025). Effect of a polyherbal immunomodulator on the immunogenicity of booster dose of FMD and FMD-HS-BQ vaccines in dairy cattle. 95(2), 103–106.	Indian Journal of Animal Sciences	6.30
14.	Rustagi, N., Kakker, N.K., Sheoran, S., Santosh, P.C., Dahiya, S., and Gupta, A.K. (2023). Kinetics of humoral response to <i>Pasteurella multocida</i> in buffaloes against combined foot-and-mouth+haemorrhagic septicaemia vaccine. 93(9): 853–857.	Indian Journal of Animal Sciences	6.30
15.	Panghal, R., Dahiya, S., Gupta, A.K. , Sharma, V., Bangar, Y. and Kakker, N.K. (2023). Persistence of maternal antibodies in calves born of combined foot-and-mouth disease + haemorrhagic septicaemia vaccinated buffaloes at organized dairy farm. 93(8): 759–763.	Indian Journal of Animal Sciences	6.30

16.	Charaya, G., Rakha, N.K., Kumar, A., <u>Gupta, A.K.</u> Maan, S., Singh, A. and Goel, P. (2022) Comparison of parasitological, serological and molecular diagnostic tests for detection of subclinical Trypanosomosis in two organised dairy herds. [S.l.], 41(2): 241-249	Buffalo Bulletin	6.20
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