

ALKA GALAV

Flat. No : 205, SDC Keystone

Kumbha Marg, Pratap Nagar,  
Jaipur- 302033

Mob: +91-9717703405

E-mail : [dralka.vet@gmail.com](mailto:dralka.vet@gmail.com)

## Experience

Employer	Designation	Total year of experience
Apollo College of Veterinary Medicine, Chetak Vihar Colony, Baldeogarh, N.H. – 11, Agra Road, Jaipur, Rajasthan 302031	Associate Professor	Continue
Dept of Vety. Microbiology & Biotechnology, PGIVER (RAJUVAS), Jaipur	Teaching Associate	4 Yrs 2 months and 19 days
International Centre for Genetic Engineering & Biotechnology (ICGEB), New Delhi	Animal House Incharge	
Haryana Council for Science and Technology (HSCST), Chandigarh	Technical Project Asst.	
National Institute of Immunology, New Delhi	Project Asst.	
<b>Total Years of Experience</b>		<b>~16 years</b>

## Educational Qualification

Certificate /Degree awarded	Year Of Passing	Board/ Institute	Minor Specialization	Marks Obtained (%)
PhD (Veterinary/Animal Biotechnology)	27-03-2019	RAJUVAS, Bikaner	Veterinary Microbiology	81 % (8.10/10)
ICAR-NET	2016	ASRB, ICAR		Qualified

<b>Veterinary Council Registration Status</b>	Registration with VCI (002420) , New Delhi as well as Rajasthan RSVC No. (3511), valid till 2028
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## Projects handled

1. **Principal Investigator - Women Scientist –A (WoS-A) Fellow Research Project** (at RAJUVAS) titled “Studies on Mapping of Genetic Diversity, Phylogenetic Analysis and Molecular Evolution of PPRV Isolates of State of Rajasthan”, Department of Science & Technology (DST), Govt of India (File No.: SR/WOS-A4.S-1313/20; dated 24-5-2016) (Period 3 Yrs & Grant Rs 20 Lacs)

### As part of Research Team

1. 2012-2013: Testing of immunogenicity of VLP of dengue virus
2. 2004-05: Studies on Antigenicity of Domain III of ‘E’ Protein of Japanese Encephalitis Virus. @ National Institute of Immunology (**M.V.Sc. Thesis work**)
3. 2003-04: Isolation and Characterization of Microbial Fauna of Wild and domestic animals. @ Deptt of Wildlife, JNKVV, Jabalpur (MP).

4. 2003-04: Surveillance of Tubercular bacilli infection in conserved wild species (necropsy; swab/blood staining and PCR) @ Biotechnology Centre, JNKVV, Jabalpur (MP).

### **Academic Awards/ Honours /Recognitions**

Sr. No.	Name of Awards/Honour	Conferred by (Name of Organization)	Year of Award
1.	Thitd Best Oral Award	3 <sup>rd</sup> Oral Award	2025
2.	Best Oral Award	AASCON 2024	2024
3.	Best Poster Award	AASCON 2024	2024
4.	Appreciation Certificate for member, ISAPM conference organizing committee	Indian Society of Animal Production and Management	2020
5.	Best Poster Presentation Award □ □□□□□□□	Asian Regional Conference on Goats (AECG-2018)	2018
6.	University Felicitation for successfully getting Independent Extra-mural Research Grant	RAJUVAS, Bikaner	2016
7.	DST -Women Scientist (WOS-A) Fellow □ 2015□□	DST, Govt Of India	2015

### **Invited Lecture/Lead Paper Presented**

Sr. No.	Title	Name of Organization/Event	Year
1.	Fundamental Approach to Diagnosis of PPR	5-Day ASCAD Training on “Techniques of Animal Disease Diagnosis and Control” organized from at RAJUVAS-PGIVER, Jamdoli, Jaipur (Raj.).	07-11 Mar 2022
2.	Role of Animals in Research and Education	IIS, University, Jaipur	2019
3.	Animal Experiments: Form B □□□□	IIS, University, Jaipur	2017
4.	PPR An Emerging Threat: Need For Global Control And Eradication□	R.D.D.C, Dept. Animal Husbandry, Govt. of Rajasthan, Kota	2016

### **Member Professional Societies**

- ❖ Marudhara Lady Veterinarian Association, Rajasthan
- ❖ Laboratory Animal Scientist Association
- ❖ Society for Biosafety India
- ❖ Small Animal Veterinary Association, Delhi
- ❖ Laboratory Animal Science Association of India

### **Papers Published / Presented**

#### **Above NAAS 5.00 rating** (NAAS Ratings 2024)

1. Shailendra Mani, **Alka Galav**, Sathyamangalam Swaminathan, Navin Khanna (2013) Pichia pastoris-Expressed Dengue 2 Envelope Forms Virus-Like Particles without Pre-Membrane Protein and Induces High Titer Neutralizing Antibodies. PLOS ONE. 8 (5) e64595 (UGC No. 37933)
2. **Alka**, Kaushik B., Malik Y.P.S, Vrat, S. (2007). Immunogenicity and protective efficacy of the E. coli-expressed domain III of Japanese encephalitis virus envelope protein in mice. Medical Microbiology and Immunology. 196 (4): 227-231. (UGC No. 4275)
3. Vikas Galav, **Alka Galav** and Sandeep Kumar Sharma (2022). Isolation and antibiotic sensitivity profiling of *Escherichia coli* and *Klebsiella spp.* isolates from pneumonic lungs of sheep and goats. Ruminant Science, Vol 11(I): 243-250.
4. **Alka Galav**, Maherchandani, S., Vikas Galav and Kashyap S.K. (Dec 2018). Identification, Genetic Characterization and Phylodynamics of PPR Virus from Goat Herds of Bandikui, India. Ruminant Science, 7(2):289-296.

5. R.K. Tiwari, Vikas Galav, Sharma S.K., **Alka Galav**, Kumar, B., Khan, S., Marodia, S. and Agrawal, M. (Dec 2019). Aetio-Pathology of Bronchopneumonia in Sheep (*Ovis aries*). Ruminant Science, 8(2):217-220.
6. **Alka Galav**, Maherchandani, S., Vikas Galav and Dadhich, A. (Dec 2019). Identification, Molecular Basis of Attenuation in Recently Circulating PPRV in Rajasthan. Veterinary Practitioner, 20(2):240-43.
7. **Alka Galav**, Galav, V., Maherchandani, S., Kashyap, S.K. and Dalal, S. (Jun 2018). Evolution of Avian Influenza and Public Health. Veterinary Practitioner, 19(1):162-164.
8. Galav, V., **Alka Galav**, Dalal, S., Tiwari R.K. and Sonowal, D. (Dec 2017). Trichoblastoma in a Dog: A Case Report. Veterinary Practitioner, 18 (2): 211.
9. Galav, V., **Alka** and Singh, A.P. (2005). Hyperlipidaemia in Donkeys. *Veterinary Practitioner*, 6(1):37-38.
10. Galav, V., **Alka** and Singh, A.P. (2004). Urinary Incontinence in Bitches: Principal causes and treatment. *Veterinary Practitioner*, 5(2):147-149.
11. **Alka** and Galav, Vikas (2006). RNA Interference, Veterinary Practitioner, 6(1): 184-187

#### **BOOKS Published**

1. Vikas Galav and **Alka Galav** (Nov 2017). HINDI – “Vyadhi Vigyan Hindi Shabdkosh” (1st Edn.). Published by Bilwal Medchem and Research Laboratory Pvt Ltd., Jaipur, India (ISBN No: 978-81-933249-0-5)
2. Vikas Galav, Deepak Sumbria and **Alka Galav** (Jan 2017). Parasitological Techniques: A Guide for Field Vets. Published by Bilwal Medchem and Research Laboratory Pvt Ltd., Jaipur, India (ISBN No: 978-81-933249-1-2).

#### **BOOK Chapters**

1. Prusty, P.K. and **Alka Galav**. (Mar 2022). Specimen Collection and Transportation. In Sharma, SK, Joseph, B and Agarwal M (Eds.) Training Compendium on “Techniques of Animal Disease Diagnosis and Control” (ISBN No. 978-93-83662-83-8). PGIVER, Jaipur (under ASCAD), Jaipur, Rajasthan, (INDIA): pp 05-14.
2. **Alka Galav**, Galav, V., Sharma, S.K., and Agarwal, M. (Mar 2022). Fundamental Approach to Diagnosis of PPR. In Sharma, SK, Joseph, B and Agarwal M (Eds.) Training Compendium on “Techniques of Animal Disease Diagnosis and Control” (ISBN No. 978-93-83662-83-8). PGIVER, Jaipur (under ASCAD), Jaipur, Rajasthan, (INDIA): pp 32-38.
3. Sharma, S.K., Vikas Galav, **Alka Galav**. and Agrawal, M. (Jan 2019). Guidelines for Successful Antimicrobial Therapy for diseased Animals: In Sharma, S.K., Galav, V., Agrawal, M. and Faridi, F.N., (1st Edn.) Antimicrobial Resistance: Concepts, Methodologies and Strategies to Overcome (ISBN No. 978-93-87590-95-3). Narendra Publishing House, New Delhi. (INDIA): pp 141-147.

### **4. GenBank Accession Numbers for Nucleotide Sequence Submissions**

<b>GenBank Nucleotide Sequence Accession</b>	<b>Title</b>
MT515451, MT515452, MT515453, MT536161, MT536162	blaZ sequence from <i>Staphylococcus aureus</i> from Rajasthan
ON357680, ON357681, ON357682, ON214241, ON184110, ON184111	QNRB gene of E coli
MH304878, MH304871, MH304872, MH304873, MH304870, MH304876, MH304877, MH304874, MH304869, MH304875	N gene of PPRV