

Name and Designation	Dr. Pradeep N Gandhale
Designation	Senior Scientist
Official address	ICAR-National Institute of High Security Animal Diseases, Bhopal, MP, India.
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Area of Specialization	➤ Surveillance & Monitoring of High Risk zoonotic Infections viz. CCHF, Hanta, Ganjam, KFD, MERS-CoV, Nipah, etc. ➤ Development of diagnostics & vaccines for zoonotic viruses.
Educational Qualification	MVSc, PhD (Veterinary Virology)

Degree	Institution	Subject
MVSc	Indian Veterinary Research Institute, (Deemed University), Izatnagar, UP	M.V.Sc (Veterinary Virology)
PhD	Indian Veterinary Research Institute, (Deemed University), Izatnagar, UP	PhD (Veterinary Virology)

Sr. No.	Experience And Achievements:
1	Outbreak investigation of CCHF (Gujarat, Rajasthan) & Nipah (Kerala).
2	Meta viromic based precision surveillance of rodents & ticks for identification of emerging zoonotic pathogens.
3	Molecular and sero surveillance of orthohantaviruses in rodents.
	Molecular surveillance of Ganjam virus in Madhya Pradesh & Kerala.
4	CCHF surveillance in Gujarat, Madhya Pradesh & Kerala
5	Established diagnostic preparedness for zoonotic pathogens viz. CCHF, Ganjam virus, MERS-CoV, Rift Valley Fever, Nairobi Sheep Disease etc.
6	Diagnosis & surveillance of zoonotic infections at ICAR-NIHSAD, Bhopal, the national referral lab for diagnosis of exotic/emerging animal diseases.
7	Optimized Universal reaction conditions for simultaneous detection of ten multiple species diseases (Aujeszky's, CCHF, JE, RVF, VS, WNF, EEE, Hantaan, Ebola and Marburg), three ruminant diseases (BVD, CAE, Schmallenberg) and four swine diseases (ASF, SVD, TGE, Nipah) under Low cost Multiplex PCR Array platform.
8	Isolated Buffalo pox virus from zoonotic outbreak at Maharashtra. Also cloning & sequencing of genes responsible for pathogenesis of buffalo pox virus from same outbreak were done.
9	Developed diagnostic reagents for Bluetongue disease in Sheep.
10	Isolated Rotavirus from fecal sample of pig.

Research projects (Ongoing/completed)		
Sl.No.	Title of Project	PI/Co-PI
1	International project on development of vaccine for MERS-CoV.	Co-PI
2	Metaviromic profiling of tick population & risk mapping for Ganjam Virus in Madhya Pradesh.	PI
3	Do synanthropic and sylvatic rodents play role in the ecology of emerging zoonotic and antimicrobial resistant pathogens?	PI
4	Development of indirect ELISA for the detection of anti-Crimean-Congo Hemorrhagic Fever virus (CCHFV) antibodies in livestock sp.	PI
5	Surveillance of exotic and emerging animal diseases in Indian and imported livestock & poultry and their products. Sub-project: Surveillance and Diagnostic Preparedness for zoonotic Infections.	Co-PI
6	DBT-NER-Advanced Animal Disease Diagnosis and Management Consortium (ADMaC).	Co-PI
7	Investigation of Schmallenberg or Related Virus in Ruminants and Culicoides spp.	Co-PI
8	Quest for a Universal Diagnostic PCR Array for Multiple Exotic and Emerging Viral Diseases.	Co-PI
9	Niche Area of Excellence Production and quality control of veterinary immuno- diagnostics and immuno- prophylactics.	Co-PI
10	Prevalence, characterization and development of indigenous diagnostics for animal rotaviruses.	Co-PI
11	Development of monoclonal antibody based diagnostic for BHV-1.	Co-PI