RODEC CONNECT
Knowledge That Connects - Science That Advances Animal Health
September 2026

Science for Healthier Animals Brighter Tomorrows

ANIMAL HEALTH | PRODUCTIVE LIVESTOCK | SUSTAINABLE FUTURE



THIS MONTH IN RODEC CONNECT

Page 02

NEWS ROUNDUP

Key updates from animal health and livestock sector

- One Health Congress in Lisbon
- Lumpy Skin Disease
- Bhutan Rabies Milestone
- Livestock Entrepreneurship in Bihar
- ... and more important updates



Page 03

GLOBAL PERSPECTIVE

Veterinary Life in Canada

Experiences, opportunities and a roadmap for Indian veterinarians



Page 04

RESEARCH SIMPLIFIED

Mastitis Research Flags Antimicrobial Resistance

Recent ICAR-NIVEDI research made practical for the field



RODEC CONNECT
Knowledge That Connects - Science That Advances Animal Health
September 2026

NEWS ROUNDUP

"Staying informed today builds a healthier tomorrow."

GLOBAL EXPERTS UNITE FOR ONE HEALTH IN LISBON

The 9th World One Health Congress, held in Lisbon from 4–7 September 2026, brought together experts from human, animal and environmental health. Key discussions included antimicrobial resistance, biosecurity, disease preparedness, One Health financing and translating scientific knowledge into practical health policies.



Eminent experts at the 9th World One Health Congress, Lisbon (4–7 September 2026)

INDIA STEPS UP ACTION AGAINST LUMPY SKIN DISEASE

The Department of Animal Husbandry & Dairying has strengthened surveillance and vaccination measures against Lumpy Skin Disease (LSD). States and UTs have been advised to focus on timely vaccination, isolation of affected animals, vector control, movement restriction and better disease reporting.



Key Measures:

- Timely Vaccination
- Vector control
- Movement restriction
- Better disease reporting

BHUTAN ACHIEVES A MAJOR RABIES MILESTONE

The World Health Organization (WHO) has validated Bhutan for eliminating dog-transmitted human rabies as a public health problem. Bhutan is the first country in the WHO South-East Asia Region to achieve this milestone.

Long-term dog vaccination, population management, surveillance, and close cooperation between veterinary and human-health teams were central to the achievement.



Key Factors for Success:

- Mass dog vaccination
- Population management
- Continuous surveillance
- Veterinary & human-health collaboration

LIVESTOCK ENTREPRENEURSHIP TAKES CENTRE STAGE IN BIHAR

The Animal Husbandry & Fisheries Entrepreneur Advancement Mela was held at Motihari, Bihar (1–3 September 2026). Farmers, scientists, policymakers and entrepreneurs came together to promote technology-led livestock, fisheries and rural enterprises, with a focus on increasing farmer income and creating new livelihood opportunities.



Quick Update

National Gopal Ratna Award 2026

The Department of Animal Husbandry & Dairying has extended the last date for online applications for the National Gopal Ratna Award 2026 to 30 September 2026, recognising excellence in India's animal husbandry and dairy sector.



Recognising Excellence in Animal Husbandry

Source: DAHD | September 2026

RODEC CONNECT
Knowledge That Connects - Science That Advances Animal Health
September 2026

GLOBAL PERSPECTIVE

Veterinary Life in Canada

Experiences, Opportunities and a Roadmap for Indian Veterinarians

Moving to Canada as a veterinarian has been a transformative journey for me. It offered the opportunity to work in a diverse and supportive professional environment, with a strong focus on animal welfare, continuing education and evidence-based practice. Canada's veterinary profession values teamwork, compassion and lifelong learning, which has helped me grow both personally and professionally.

The opportunities here are wide-ranging – from companion-animal practice to food-animal medicine, research, public health and industry roles. The profession is well-respected, and there is a constant drive to adopt new knowledge and technology to improve animal health and welfare.

At the same time, the journey comes with challenges. Adapting to a new country, understanding the regulatory pathway, and meeting licensure requirements can be demanding. Good preparation, patience and a willingness to learn are essential. Strong communication skills, cultural adaptability and a client-centric approach are equally important for success.

Overall, my experience in Canada has reinforced the value of high standards in veterinary care and the importance of global collaboration. I believe that with the right preparation and mindset, Indian veterinarians can also build meaningful and rewarding careers here.





Dr. Purnima Budhiraja

Veterinarian Based in Canada

Dr. Purnima Budhiraja is a practising veterinarian in Canada with experience in clinical practice and veterinary professional development. She is passionate about animal welfare and sharing practical insights to support veterinarians globally.

> *"For me, veterinary medicine has always been about learning, adapting in the making of a positive difference in the lives of animals, no matter where we are in the world."*
> – Dr. Purnima Budhiraja

Can an Indian Veterinarian Work in Canada?

Yes – but an Indian veterinary degree does not automatically provide a licence to practise clinical veterinary medicine in Canada.

Graduates from veterinary colleges not accredited by the CVMA/AVMA need to qualify through the National Examining Board (NEB) of the Canadian Veterinary Medical Association and then obtain a provincial licence to practise.

Pathway to Veterinary Licensure in Canada

(for graduates of non-accredited veterinary colleges)

1. Register with CVMA-NEB
2. Pass the NAVLE
3. Complete the PSA
4. Pass the CPE
5. Apply for Provincial Licence
6. Obtain NER Certificate of Qualification (CQ)
7. Submit final documents

Requirements may vary by province. Always check the latest information from the CVMA-NCB and the veterinary regulatory body of the province where you intend to practise.

Career Opportunities

- Companion-animal practice
- Dairy and food-animal medicine
- Poultry industry
- Research and academia
- Public health and food safety
- Animal-health and pharmaceutical industry
- Diagnostics and laboratory services
- Government and regulatory roles



Message to Indian Veterinarians

If you are considering a career in Canada, start early, research the requirements thoroughly and invest in building strong foundations in clinical knowledge, communication and professional skills. The journey may seem challenging at first, but it is absolutely achievable. Your skills, dedication and compassion are valuable, and there is a place for Indian veterinarians in Canada's diverse and dynamic veterinary community. Stay curious, be persistent and keep your passion for animal health at the centre of everything you do.

– Dr. Purnima Budhiraja

RODEC CONNECT
Knowledge That Connects - Science That Advances Animal Health
September 2026

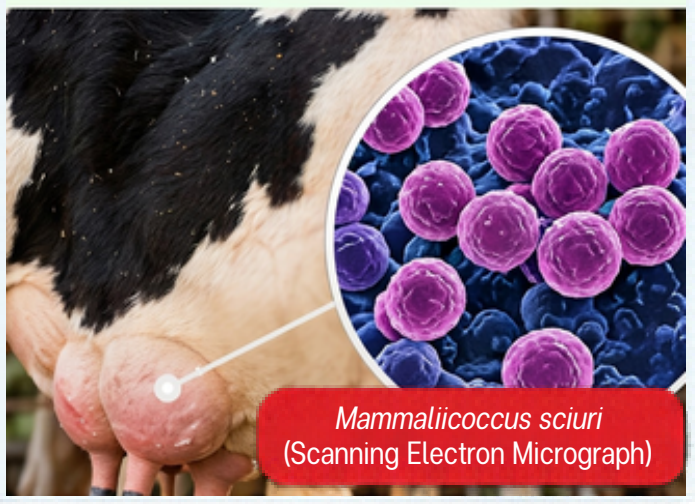
RESEARCH SIMPLIFIED

"Complex science, made practical for the field."

MASTITIS RESEARCH FLAGS ANTIMICROBIAL RESISTANCE

Indian study identifies *Mammaliicoccus sciuri* as an emerging mastitis pathogen

A recent study by ICAR-NIVEDI, Bengaluru has highlighted the growing importance of antimicrobial resistance (AMR) monitoring in bovine mastitis. The researchers identified *Mammaliicoccus sciuri* in clinical mastitis cases from dairy cows and found resistance to commonly used antibiotics. The study emphasizes the need for careful drug selection, regular surveillance and rational therapy in dairy practice.



100%
Penicillin resistance

100%
mecA gene detected

33.3%
Multidrug-resistant isolates

Findings highlight the importance of culture-based therapy and AMR awareness in mastitis management.

Research by:
ICAR-NIVEDI, Bengaluru

Published in:
Scientific Reports, September 2026

Study:
Mammaliicoccus sciuri associated with bovine mastitis and antimicrobial resistance

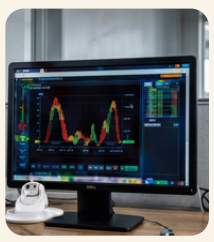
HOW WAS THE RESEARCH DONE?


Sample collection from mastitis cases


Bacterial isolation and identification


Antimicrobial susceptibility testing


Genomic analysis


Data analysis and interpretation

This helped scientists understand both the pathogen and its resistance profile.

WHY IT MATTERS IN THE FIELD?

- Adds a new mastitis-associated pathogen to the list.
- Underlines the growing risk of antimicrobial resistance in dairy bacteria.
- Supports evidence-based treatment decisions.
- Helps in better mastitis control, responsible antibiotic use and long-term udder health.

PRACTICAL TAKE-HOME MESSAGE

- Do not rely on empirical antibiotic treatment alone.
- Use culture and sensitivity testing for recurrent or non-responsive mastitis.
- Select antibiotics based on local resistance patterns.
- Strengthen herd-level mastitis control and prevention practices.

