



DR. RAJASHREE GANDGE (PATIL)

Associate Professor

Dept of Veterinary Microbiology
Mumbai Veterinary College

PROFILE

Award winning, accomplished Veterinary academician and researcher with major contribution in the field of Clinical Veterinary Bacteriology & Immunology. Research area primarily includes Brucellosis, Poultry Mycoplasmosis, Mastitis, Thermostabilization of Vaccine, Efficacy of Nanoparticulate drugs.

Expertise includes diagnostics and biologicals along with the ability to define research focused on field application and academic strategies for enhancing quality education.

CONTACT

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EDUCATION

Maharashtra Animal & Fishery Sciences University, Nagpur
Ph.D (2008)

Doctorate in the field of Vet. Microbiology with GPA-8.77

College of Veterinary & Animal Sciences, MAU, Parabhani
M. V. Sc. (1993-1995)

Masters in the field of Veterinary Bacteriology with GPA-8.7

College of Veterinary & Animal Sciences, MAU, Parabhani
B. V. Sc. & AH (1988-1993)

Completed all required courses of degree program with GPA-7.1

WORK EXPERIENCE

Mumbai Veterinary College: Associate Professor
[2009-Present]

Incharge Professor [2015-2018]

Assistant Professor [1999-2009]

Teaching: UG, PG, PhD courses in the field of Vet Microbiology

M.V.Sc Students guided: 16

The research area: Brucellosis, Poultry Mycoplasmosis, Mastitis, Thermostabilization of Vaccine, Efficacy of Nanoparticulate drugs, Staphylococcus, E. Coli, Plasmids, etc.

AWARDS/ HONORS

- Distinguished women in Vet. & Ani. Sci-VIF: 2019
- Lady Veterinarian Award-IAAVR: 2017
- Best oral presentation award: IAVPHS-2019
- Reviewer Excellence Award –ARC: - 2019 & 2020
- Appreciation for outstanding contribution to public health services – MIEF: 2016-18
- Best poster Presentation award – IAVMI-2014

EXTERNALLY FUNDED /AGENCY PROJECTS: 04

PUBLICATIONS

Research Publications: 40

Papers Presented/Published in conferences: 45

- National: 33
- International: 12
- Lead papers: 06

Gene Bank Accessions: 38

Culture deposition in NCMR: 01

PROJECTS/ RESEACH ACHIEVEMENTS

- o Thermostabilization of vaccines using Deuterium Oxide for enhancing shelf life and maintaining potency of vaccines
- o Evaluated Nanoparticulate Rifampicin, Ethambutol and New cell wall modulators for therapeutic efficacy in tuberculosis.
- o Developed PCR-RFLP and PCR –SSCP for identification of strains or subtypes of *Brucella* species
- o Development/ Standardization of PCR, PCR-RFLP for diagnosis of poultry Mycoplasmosis
- o Development of coloured Antigen for rapid detection of CRD in poultry.

PUBLICATIONS

1. Rajashree Gadge, S P Londhe and A.A. Sherikar. Thermostabilization of live Newcastle disease virus (La Sota) vaccine using deuterium oxide (D2O). Indian Journal of Animal Sciences. December 2012. 82 (12): 1518–1520.
2. M.N. Chougule, R. S. Gadge, A. S. Bannalika, S. B. Majee, R. R. Pharande Characterization of *Staphylococcus aureus* by pulsed field gel electrophoresis Indian Journal of Animal Sciences 2015, 85 (4): 348-351.
3. M. V. Hemade and R.S. Gadge Molecular Typing of *Brucella* species by PCR - RFLP and SSCP Indian Journal of Animal Sciences. May. 2016. 86 (5): 502-507.
4. Apexa Suryawanshi, Rajashree Gadge Detection and Antibiotic sensitivity testing of *Brucella* species World J. of Pharmacy and Pharmaceutical science. 2017. 6 (7):1817-1829
5. P. L. Luitell, R. S. Gadge and S. B. Majee. Molecular Detection of *Mycoplasma synoviae*. Infection in Poultry Asian Journal of Research in Animal and Veterinary Sciences 2020. 5(1): 1-7. Article no. AJRAVS. 53068.

ACTIVITIES/MEMBERSHIP

- o Life member of National Professional Associations: 06
- o Reviewer for national and international research papers.
- o Department of Biotechnology Nominee for IBSC.