

Name : Dr. Rashmi Singh
 Date of Birth : 01-07-1972
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 madan_rs@yahoo.com
 Date of Joining in the Institution : 03-11-2011



A) Academic Qualification:

Degree	Year	University/Institution
B.V.Sc. & A.H.	1994	CCS HAU, Hisar
M.V.Sc. (Veterinary Immunology)	1997	CCS HAU, Hisar
Ph. D. (Veterinary Microbiology & Immunology) Minor: Molecular Biology & Biotechnology	2008	GBPUAT, Pantnagar

B) Professional Position held:

Designation	Period (from ... to)	University
Research Associate	Nov 1996 - Sept 1997	National Professor Laboratory (Rotavirus Molecular Biology), Department of Veterinary Microbiology, CCS HAU, Hisar.
Veterinary Officer	24.10.1997 to 19.12.1999	Department of Animal Husbandry, Uttar Pradesh
Junior Research Officer, Vaccinology	20.12.1999 to 02.11.2011	Dept. of Veterinary Microbiology, G.B. Pant Univ. of Agriculture and Technology, Pantnagar.
Associate Professor	03.11.2011- 02.11.2017	Department of Microbiology, College of Veterinary Sciences and Animal Husbandry, DUVASU, Mathura.
Professor	03.11.2017- till date	Department of Microbiology, College of Veterinary Sciences and Animal Husbandry, DUVASU, Mathura.

C) Membership of Professional Organization:

1. Life member of Indian Virological Society
2. Life member of Indian Society for Veterinary Immunology and Biotechnology
3. Life member of Indian Society of Veterinary Educators
4. Life member of Society for Immunology and Immunopathology
5. Life member of Veterinary Microbiologists, Immunologists and Specialists in Infectious Diseases

6. Life member of Indian Society for Study of Animal Reproduction

D) Publications:

Book (Chapter)	:	1
Manual	:	4
Review Article	:	2
Research Paper	:	41
Popular Article	:	8
Lead Papers	:	9
GenBank Submission	:	10

E) Awards & Honours:

1989 -1994	:	ICAR scholarship in B.V. Sc. & A.H.
1989 -1994	:	Certificate of merit in B.V.Sc. & AH.
1994	:	Third rank in B.V. Sc. & A.H.
1994 -1997	:	HAU scholarship in M.V. Sc.
1997	:	Senior Research Fellowship by Council of Scientific & Industrial Research, New Delhi.
1997	:	National Eligibility Test (NET) Certificate in Veterinary Microbiology by ICAR, New Delhi
2007	:	ISVIB - GADVASU Woman Scientist Award
2016	:	Reviewer Excellence Award
2017	:	DBT-CTEP Travel Grant & INSA Grant

F) Projects:

Duration of Project	Title	Funding Agency	Place of Work	PI/ Co-PI
Nov 2012 – Aug 2016	All India Coordinated Research Project on epidemiological investigations on FMD	ICAR, New Delhi	DUVASU, Mathura	PI
Nov 2012 – Aug 2016	FMD-Control Programme	ICAR, New Delhi	DUVASU, Mathura	PI
2012 - 2013	Collection and testing of diarrheic faecal samples of cattle and buffalo calves for the presence of rotavirus from organized dairy units in Mathura and surrounding areas (94100/-)	Pfizer Animal Health, India	DUVASU, Mathura	PI
2009-10	To study the safety and immunogenicity of <i>Brucella abortus</i> RB51 vaccine in cattle (1.0 lac)	Indian Immunologicals Limited, Hyderabad	Department of Veterinary Microbiology, GBPUAT,	PI

2005-08	Development and evaluation of cell culture adapted vaccine against fowl pox (20.69 lacs)	ICAR, New Delhi	Pantnagar Department of Veterinary Microbiology, GBPUAT, Pantnagar	Co-PI
2005-08	Characterization of potent protective antigens of <i>Pasteurella multocida</i> and development of recombinant vaccine against haemorrhagic septicaemia (24.93 lacs)	DBT, New Delhi	Department of Veterinary Microbiology, GBPUAT, Pantnagar	Co-PI
2004-07	Amelioration of pesticide and heavy metal toxicity in animals and poultry by using indigenous medicinal plants (17.48 lacs)	ICAR, New Delhi	Department of Veterinary Pharmacology, GBPUAT, Pantnagar	Co-PI
2003-06	Development of a rapid and sensitive immuno-diagnostic test for the detection of <i>Salmonella</i> in foods of animal origin (35.5 lacs)	DBT, New Delhi	Department of Veterinary Microbiology, GBPUAT, Pantnagar	Co-PI
2002-03	<i>In vitro</i> evaluation of some commonly available spices for their antifungal properties (10,000/-)	GBPUAT, Pantnagar	Department of Veterinary Microbiology, GBPUAT, Pantnagar	PI

G): Trainings/Winter/Summer Schools Attended

1. Massive Open Online Course (MOOC-2017) on Teaching Management organized by ICAR-NAARM, Hyderabad from November 1-30, 2017.
2. Two day training program on “Online FMD-Disease Decision Support System” at Project Directorate on FMD, Mukteswar, June 25-26, 2015.
3. Training on ‘Single dilution LPB-ELISA for FMDV antibodies’ at PD-FMD, IVRI, Mukteswar from 2/12/2013 – 6/12/2013.
4. DBT sponsored training workshop on “ Biological Sequence Analysis and Applications in Agriculture & Veterinary” at Bioinformatics Centre, Department of Molecular Biology & Genetic Engineering, GBPUAT, Pantnagar, Sept, 02-04, 2009.
5. Sensitization workshop on “ Biosafety issues related to practicing agricultural technology” jointly organized by the Department of Molecular Biology & Genetic Engineering, College of Basic Sciences & Humanities, GBPUAT, Pantnagar and International Service for Acquisition of Agri-biotech Applications from Nov 3-4, 2008.

6. Practical training course on “Phage Display Technology for Production of Single Domain Antibodies” conducted by Centre of Advance Studies, Dept. of Vety. Microbiology, College of Veterinary Sciences, CCS HAU, Hisar, Sept. 25-Oct 15, 2008.
7. Winter school on “Pesticide and Veterinary Drug Residues in Foods of Animal Origin” organized by Department of Veterinary Public Health, College of Veterinary and Animal Sciences, G.B.Pant University of Agriculture and Technology, Pantnagar w.e.f. February 24 - March 15, 2008.
8. Practical Training course on “DNA Based Diagnostics” from 7th to 28th Feb., 2006 held at Department of Animal Biotechnology, COVS, CCS HAU, Hisar.
9. Training on “IBD ELISA Kit” organized by Centre of Advance Studies, Dept. of Vety. Microbiology, College of Veterinary Sciences, CCS HAU, Hisar, Aug. 24th to 27th 2004.
10. Workshop on “Patent Awareness” organized by Patent Office, New Delhi, at GBPUAT, Pantnagar on Sept. 10th-11th, 2003 in cooperation with Patent Information Center, Pantnagar.
11. Workshop on “Strategies of Sustainable Dairy Development in Uttaranchal” organized by Uttaranchal DASP at College of Veterinary Sciences, G.B.Pant University of Agriculture and Technology, Pantnagar, March 13-14, 2002.
12. Training course on “Production and Use of Instructional Material in Veterinary Virology” conducted by Centre of Advance Studies, Dept. of Vety. Microbiology, College of Veterinary Sciences, CCS HAU, Hisar, Feb. 8-28, 2002.
13. Training programme on “Dot Immunobinding Assay” at Dept. of Pathology, College of Veterinary Sciences, G.B.Pant University of Agriculture and Technology, Pantnagar, Dec. 16, 2001.

H): Conferences/Symposia/Workshops attended

1. India-EU dialogue seminar on ‘The use of veterinary medicines and antimicrobial resistance’, 15-16 Nov 2017, Export Inspection Council, Ministry of Commerce & Industry, Govt. of India, New Delhi.
2. ‘National Symposium Animal experimentation in Biomedical Research: Scientific Ethical Perspectives & Annual Convention of LASAI’ on at National JALMA Institute for Leprosy and other Mycobacterial diseases, Tajganj, Agra, 10-11 Nov, 2017.
3. 25th National Conference of the Indian Virological Society VIROCON 2016 and National Conference on, "Global Prospectives in Virus Disease Management" held at Indian Institute on Horticulture Research, Bengaluru, Karnataka, 8-10 Dec, 2016.
4. National Seminar on ‘Strategies for conservation of indigenous cattle breeds of semi-arid region for augmenting milk production’ held on February 1, 2016, DUVASU, Mathura.
5. IMSACON-2014 and National Symposium on Sustainable meat production for nutritional security and consumer well being: Challenges and Strategies, at Dept. of LPT, DUVASU, Mathura, Nov 28-30, 2014.
6. XXVIII Annual Convention of IAVMI and International Conference on “Challenges and Opportunities in Animal Health at the Face of Globalization and Climatic Change, Dept. of Microbiology, DUVASU, Mathura, Oct 30- Nov 1, 2014.
7. 25th Annual Review Meet of AICRP on FMD, Oct 10-11, 2014 at Khanapara, Guwahati, Assam.
8. 2nd Annual Meeting of Society of Veterinary Science and Biotechnology and National Seminar on “Biotechnological Approaches to Challenges in Animal Health and

Production”, Department of Veterinary Biochemistry, DUVASU, Mathura, 6-7 March, 2014.

9. 24th Annual Review Meet of AICRP on FMD at Puducherry, 21-22 Sept, 2013.
10. VIROCON-2011, XX National Conference on ‘Managing Emerging and Re-emerging Plant, Animal, Human and Aquatic Viral Diseases: One Health Perspective’ Indian Virological Society, 29-31 Dec, 2011 at National Research Centre on Equines, Hisar .
11. Fourth Uttarakhand State Science & Technology Congress-2009 from 10-12 November, 2009 at GBPUAT, Pantnagar.
12. International symposium on “ Food Safety, Quality Assurance and Global Trade: Concerns and Strategies” and VII annual conference of Indian Association of Veterinary Public Health Specialists (IAVPHS) organized by Department of Veterinary Public Health, GBPUAT, Pantnagar, Nov 7-9, 2008.
13. XIV Annual Convention of ISVIB and National Symposium on “Recent trends in immuno-biotechnology based biologicals and their commercialization” organized by Departments of Veterinary Biochemistry and Veterinary Microbiology, College of Veterinary and Animal Sciences, GBPUAT, Pantnagar, Feb 27 - 29, 2008.
14. National Seminar on “Improvement of bovine fertility through use of reproductive biotechnology at farmer’s door” organized by Department of Animal Reproduction, Gynaecology and Obstetrics, College of Veterinary and Animal Sciences, GBPUAT, Pantnagar and ULDB, Dehradun from May 5-6, 2008.
15. National symposium on ‘Quality assessment of immunodiagnostics and immunoprophylactics for livestock diseases in post-W.T.O.scenario including impact on mountainous regions’, Oct 18-19, 2004 Dept of Vety. Microbiology, CVASc., CSK HPKV, Palampur.
16. Symposium on “Role of pack animals in economic development of Uttaranchal hills” organized by Uttaranchal DASP at College of Veterinary Sciences, GBPUAT, Pantnagar on Sept. 21, 2002.
17. Workshop on “Holistic approach to wildlife health management and conservation in Uttaranchal” organized by Uttaranchal DASP at College of Veterinary Sciences, GBPUAT, Pantnagar on May 3-4, 2002.
18. National Symposium on “ Immunomodulation in Health and Disease” and Second Convention of Society for Immunology and Immunopathology at Dept. of Pathology, College of Veterinary Sciences, GBPUAT, Pantnagar, Dec. 14-15, 2001.
19. 10th International Congress of Immunology, New Delhi, Nov 1-6, 1998.
20. International course on “Advances in Vaccine Technologies and Veterinary Applications” organized by Dept. of Immunology, PAU in collaboration with IUIS, March 4-9, 1997.

I): International Travel

1. International Conference on “Virus Diseases: One Health-One World”, 25-27 July 2017, Kuching, Malaysia.

J): Organizational Activities

Duration	Work	Activity	Place
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24-02-2016 18-03-2016	Incharge, TSP	Two camps under 'Tribal sub Plan' in AICRP on FMD project for socio-economic development of ST families	Lalitpur, Uttar Pradesh
Oct 28 – Nov 4, 2015	Resource Person	'Effects of Climate Change on Productive and Reproductive Performance of Dairy Cattle'	DUVASU, Mathura.
2012-2014	Incharge	Department of Microbiology	DUVASU, Mathura.
2011-till date	Resource Person	College of Biotechnology	DUVASU, Mathura.
March 17- 25, 2009	Assistant Expert, VCI training	'Introduction to Food Safety Standards' for Veterinary Officers	GBPUAT, Pantnagar.
2007-2009	Member	Academic Council	GBPUAT, Pantnagar.
Nov 3-23, 2006	Resource Person, Winter school	'Modern molecular and immunological tools for the detection of food-borne pathogens adulterants and environmental contaminants for foods of animal origin'.	GBPUAT, Pantnagar.
Jan 14-Feb 2, 1997	Resource Person, CAS training	'Murine Monoclonal Antibody Production'	CCS HAU, Hisar.

K): Extension activities

- Investigation Officer in disease outbreaks in UP state with particular reference to FMD outbreaks.
- National Sero-Surveillance in the state of Uttar Pradesh for monitoring of serum antibody levels against FMDV.
- FMD awareness activity to farmers in the state.
- Conducted randomized field trail to ascertain the sero-conversion of inactivated oil adjuvant FMD Trivalent vaccine in six model villages of Mathura under AICRP-on FMD Project (Oct-2014-Feb-2015).
- Lecture-cum-demonstration of various techniques of microbiology and immunology for state veterinary officers and livestock extension officers in their refresher courses.

L): Peer recognition

Reviewer for Journal of Food Science and Technology, Indian Journal of Animal Research, Veterinary World, Indian Journal of Experimental Biology, Indian Journal of Biotechnology.

M): Students guided

Degree	Subject	No.
M.V.Sc.	Veterinary Microbiology	7

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| M.V.Sc. | Molecular Biology & Biotechnology | 1 |
| M.Sc. | Biotechnology | 1 |
| PhD | Biotechnology | 1 (At present) |
- Member, Advisory Committee to MSc / MVSc and PhD students in Departments of Veterinary Microbiology, Public Health, Pathology, Pharmacology, Animal Biotechnology, Molecular Biology and Biotechnology.