

CURRICULUM VITAE

Dr. Prasanna Vadhana

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1. Communication Address

Dr. Prasanna Vadhana

Flat No 2, Teachers' Flats, Block-E

Rajiv Gandhi South Campus

Banaras Hindu University

Mirzapur-231001, Uttar Pradesh (East)

2. Permanent Address

Dr. Prasanna Vadhana

D/O, Anbazhagan

9/3, North pet, Vadamattam,

Kottucherry post, Karaikal (T.K)

Puducherry- 609 609

3. Personal Information

Date of Birth: April 4th 1986

Sex : Female

Nationality : Indian

Marital status: Married

Spouse name: Pesingi Pavan Kumar

I describe myself

As a person, who is simple, honest, outspoken & friendly and can get acclimatize to any environment. Always ready to help anyone in need and bold enough to express my opinion when asked while flexible in accepting positive criticism. I respect all creatures on earth and have great admiration for elders and scholars. I always stand by my humanitarian values even during intricate times of life and can do any work with all dedication and perfection. I am the person who has spiritual approach to life, admires nature's creations, respects my family and always hold smile in my face all day through... :-)

Objective

I have chosen research and academics as my career in my life so my long term aim is do quality research by applying all the scientific knowledge with complete dedication for the welfare of Animals and Mankind.

Area of Interest

Mechanism of Antimicrobial Resistance in Bacteria

Bacterial Pathogenesis & Host-Pathogen Interactions

Mechanisms of adaptation of bacterial communities in different environments

Bacterial Characterization

Educational Qualifications

❖ **PhD (August 2012- 2017)**

❖ Indian Veterinary Research Institute, Izatnagar, Bareilly, India –243122

❖ **Subject – Veterinary Microbiology**

❖ Specialization- Veterinary Bacteriology

❖ Topic: “***Molecular studies on resistance against carvacrol in Escherichia coli/ Pseudomonas aeruginosa***”

❖ **GPA: 8.46 /10**

- **M.V.Sc** (September 2010- May 2012)
- Indian Veterinary Research Institute, Izatnagar, Bareilly, India –243122
- **Concentration** – **Veterinary Bacteriology**
- *Topic: “Outer membrane proteomic analysis of Pasteurella multocida B: 2”*
- **GPA: 8.570 /10**

- **B.V.Sc & A.H** (August 2010)
- Rajiv Gandhi College of Veterinary and Animal Sciences,
- Kurumbapet, **Pondicherry**- 605009
- **GPA: 7.18/10**

- **Higher Secondary** (10+2) (March 2004)
- Jawahar Navodaya Vidyalaya (JNV)
- Karaikal, **Pondicherry**
- **Percentage: 66.4%**

Awards and Achievements

The Indian Council of Agricultural Research has awarded **Junior Research Fellowship** for securing **30th rank** in All India entrance exam for pursuing M.V.Sc degree in Indian Veterinary Research Institute, UP, India.

Qualified the National Eligibility Test (**NET**) for eligibility of lectureship in the discipline of **Veterinary Microbiology** conducted by ASRB (ICAR)

Successfully qualified ICAR's All India Competitive Examination for **Senior Research Fellowship** in the discipline of Veterinary Microbiology for pursuing PhD degree for the academic year 2013-14

Awarded **Rajiv Gandhi National Fellowship (RGNF)** for pursuing PhD degree by University Grant Commission (UGC) for five years from 2012 to 2017

Dr. S.P. Singh Best Paper Award for the paper entitled Loop mediated isothermal amplification (LAMP) test for rapid detection of salmonella in the chicken meat” authored by P. Pavan Kumar, R. K. Agarwal, Avinash Reddy D., **Prasannavadhana. A.**, P. Blessa Sailo, Prasad Thomas, D. K. Singh, Ashok Kumar, J. L. Kataria and Prescilla, K. published in Journal of veterinary public health (2014)

Best Poster Award for “Antibiogram with special reference to MDR and ESBL producing E. coli isolated from bovine calves” authored by Ajay K Yadav, D.K. Sinha, **Prasanna vadhana A**, B.R. Singh. In International Conference on ‘**Challenges and Opportunities in Animal Health at the Face of Globalization and Climate Change**’ at DUVASU, Mathura, Uttar Pradesh, India, during 30-10-2014 and 01-11-2014.

Dr. Rishendra Verma Young Scientist Award at 18th Indian Veterinary Congress and National Symposium conducted by Indian Association for the Advancement of Veterinary Research (IAAVR), SVVU, Tirupati, A.P, during February 23-24, 2018.

Work Experience

Designation	Payscale	Organization	Institution	Period (From-to)	Duration
Assistant Professor (Contractual)	Rs. 57,700/- (Consld)	Banaras Hindu University	Dept. of Veterinary Microbiology, Faculty of Veterinary and Animal Sciences, Rajiv Gandhi South campus, Mirzapur-231001	21.01.2018 To 06.11.2018	9 months 7 days
Assistant Professor (On Contract)	Rs. 37,000/- (Consld)	Sri Venkateswara Veterinary University, Tirupati	Dept. of Veterinary Microbiology College of Veterinary Science, Proddatur, Kadapa, Andhra Pradesh	31.05.2017 to 31.08.2018	1 Year, 3 Months, 1 day

Presentations

- **Metagenomics** in Clinical Bacteriology- (Credit Seminar)
- Interaction of neonatal phagocytes to ***Streptococcus B*** infection: recognition and response- (Credit Seminar)
- Current scenario in **fungal vaccination** in medically important cases
- **Recombinant vaccines** for **Mycoplasmal** diseases
- ImmunoPCR
- CRISPR INTERFERENCE (Credit seminar)
- Toxins of *Vibrio cholerae*
- Pathogenesis of Avian Influenza
- *Clostridium bifermentans*- epidemiology & control
- Bacteriocins- nature and biology

Clinical Case presented

Prasannavadhana, A., Aruljothi, Kumar,R, Balagopalan,T.P and Alphonse,A (2010). Surgical management of teat fistula, in bovines. In: **International symposium** on “Changing scenario in veterinary medicine: Challenges for the veterinary students and practioners” Madras veterinary College, Chennai-600 007, India, during 3rd-5th August 2009

Trainings and Workshops attended

- ✓ Internship training programme in **Semen Collection, Processing and Storage** in **Central Frozen Semen Institute (CSFI)**, Hessarghatta, Bangalore-560 088, India, during 14th February to 23rd February.
- ✓ Internship training programme in **Livestock Breeding and Management** in **State Livestock Breeding and Training Centre (SLBTC)**, Hessarghatta, Bangalore-560 088, India, during 24th February to 1st March.

- ✓ Internship training programme in **Poultry Production** conducted by the **Central Poultry Development Organization (CPDO)**, Hessarghatta, Bangalore-560 088, India, during 2nd to 10th March 2010.
- ✓ Internship training programme in **Zoo Animal Health in Mysore Zoo**, Karnataka, India, during 11th to 20th March 2010.
- ✓ Participated in the training programme on “**Use of Flow Cytometry in Animal Research**” conducted by Biochemistry Division, IVRI, Izatnagar-243122 (U.P) on 08-08-2012.
- ✓ Attended National workshop on “**Automated Library & e-Resources under NARS**” organized at National Library of Veterinary Sciences, IVRI, Izatnagar -243122 (U.P) from 16-17 Dec 2013.
- ✓ Participated in DBT workshop on “**Methods of isolation of *Listeria* from clinical and food samples**” organized by IVRI in collaboration with National institute of biotic stress management, Raipur, Chhatisgarh on August 20-21, 2014
- ✓ Participated in **National workshop** of Indian Virological Society on **Influenza: Risk factors, Massive impact and uncertain future**, at Indian veterinary Research Institute, Izatnagar on 15-10-2015

Seminars/Symposiums/Conferences Attended

- Participated in the **International Symposium and 1st national case management competitions** jointly organized by the Tamil Nadu Veterinary and Animal Sciences University (TANUVAS) and Virginia–Maryland Regional College of Veterinary Medicine, USA, at Chennai-600 007, India, during 3rd-5th August 2009.
- Participated in 12th Indian veterinary congress and XIX Annual conference of IAAVR & National Symposium on “**Changing Scenario in veterinary vaccinology and diagnostics in India with reference to national standards**” organized by College of Veterinary and Animal Husbandry, Mhow, M.P.P.C.V.V., Jabalpur (M.P) India during 20th-21st April 2012.

- Participated in the **XXVI Annual convention of IAVMI and International Seminar on future of livestock health: A Paradigm change to maximize productivity for economic gains**” held at Madras Veterinary college, Chennai- 600 007, India, during 6th-8th September 2012.
- Attended **International Conference on “Emerging and Transboundary diseases of global importance**” jointly organized by the Tamil Nadu Veterinary and Animal Sciences University (TANUVAS) and Virginia–Maryland Regional College of Veterinary Medicine, USA, University of Nottingham, UK at Madras Veterinary college, Chennai-600 007, India, during 15th-16th July, 2013.
- Attended Conference on ‘**Challenges and Opportunities in Animal Health at the Face of Globalization and Climate Change**’ at DUVASU, Mathura, Uttar Pradesh, India, during 30-10-2014 and 01-11-2014
- Attended Conference at Devi Ahilya University, Indore, India on ‘**Emerging Challenges in Biotechnology, Human Health & Environment**’ during 18-12-2014 and 20-12-2014
- Attended Conference of 18th Indian Veterinary Congress and National Symposium conducted by **Indian Association for the Advancement of Veterinary Research (IAAVR)**, SVVU, Tirupati, A.P, during February 23-24, 2018.

Technical Skills

Proteomic Techniques

- ✓ Purification of Proteins by Ultra Centrifugation
- ✓ Sonication for Protein extraction
- ✓ SDS-PAGE
- ✓ Purification of Proteins by Dialysis method
- ✓ Qualitative and quantitative analysis of protein estimation
- ✓ Western Blotting

Microbiology and Immunology

- Conventional Bacteriological techniques like collection of samples, culturing of organisms in laboratory media, identification by cultural characteristics, staining characteristics and biochemical reactions
- Washing and sterilization of glassware and media for bacteriological work
- Preparation of different media for bacteriological work
- Handling of different Bacteria
- Estimation of Colony forming Units of Bacteria
- ABST & their interpretations
- Determination of Minimum Inhibitory Concentration (MIC)
- Determination of Minimum Bactericidal Concentration (MBC)
- Collection of biological samples for isolation of fungal pathogens
- Slide culture technique for fungi
- Antibody Sensitivity Tests
- Standard Tube agglutination test
- Plate agglutination tests
- Enzyme Linked Immuno Sorbant Assay
- Microscopic Agglutination test
- Haemagglutination test
- Counter- Immunoelectrophoresis
- Agar Gel Immunodiffusion

Molecular Biology Techniques

- Polymerase Chain Reaction (PCR)- multiplex & conventional
- Primer Designing for PCR and BLAST
- Agarose gel electrophoresis
- Plasmid Isolation
- Genomic DNA isolation
- Competent cell preparation
- Transformation of Bacteria by heat shock and electroporation

- Transposon Mutagenesis
- Mutant screening

Virology Techniques

- ✓ Propagation of Viruses by Cell cultures
- ✓ Propagation of Viruses using Embryonated Chicken Eggs
- ✓ Preparation of primary cell lines of animal origin
- ✓ Viral neutralization test
- ✓ Haemagglutination Inhibition Test

Other Techniques

- Collection of biological samples like blood, urine, swabs, faeces from livestock, companion and lab animals.
- Collection of biopsy, autopsy specimens
- Necropsy of animals
- Preparation of blood smears, impression smears for haemoprotozoan parasites
- Faecal examination for presence of parasitic eggs
- Identification of Trematodes, Nematodes, Helminths and protozoan parasites of animals and of zoonotic importance
- Handling of lab animals
- Antisera raising in rabbits
- Preparation of tissues for Histopathology

Miscellaneous

- Completed Special problem on study of “*Identification of presence of bacterial DNA from serum of apparently normal human subjects*” during 3rd semester of PhD
- Completed course on “Bioinformatics” during 1st semester of PhD

Past Projects

Collaborator in the project entitled “**Epidemiology of emergence of antimicrobial drug resistance in bacteria of veterinary clinical importance**” in Division of Epidemiology at Indian Veterinary Research Institute (IVRI), Bareilly, U.P (India).

Scientific Publications

Abstracts

1. **Prasannavadhana, A.**, Aruljothi, Kumar,R, Balagopalan,T.P and Alphonse,A. “Surgical management of teat fistula, in bovines”.
2. **Prasannavadhana, A.**, P. Thomas, K.N.Viswas., S.K.Gupta and V.P.Singh. “SDS-PAGE and western blot analysis of outer membrane proteins of haemorrhagic septicaemia causing *Pasteurella multocida* B:2”.
3. P. Pavan Kumar, R.K. Agarwal, B. Sailo, Prasad Thomas, **A. Prasannavadhana**, J.L. Kataria, Ashok Kumar and D.K. Singh “Development of serovar specific loop mediated isothermal amplification (LAMP) test for rapid detection of *Salmonella* Typhimurium in chicken meat”
4. P. Pavan Kumar, R.K. Agarwal, B. Sailo, **A. Prasannavadhana**, Prasad Thomas, J.L. Kataria, Ashok Kumar and D.K. Singh “Comparison of cultural, PCR and LAMP tests for the detection of *Salmonella* in field chicken meat samples”
5. P. Pavan Kumar, R.K. Agarwal, B. Sailo, **A. Prasannavadhana**, Prasad Thomas, J.L. Kataria, Ashok Kumar and D.K. Singh “Standardization of loop mediated isothermal amplification (LAMP) test for rapid detection of the genus *Salmonella* in chicken meat”
6. Ajay K Yadav, D.K. Sinha, **Prasanna vadhana A**, B.R. Singh. “Antibiogram with special reference to MDR and ESBL producing *E. coli* isolated from bovine calves”
7. Pavan kumar P, **Prasannavadhana A**, Priscilla K, Agarwal,R.K. “Occurrence of *Salmonella spp* in poultry meat: A public health concern”
8. Sakshi Dubey, Bhoj Raj Singh, M.Z. Siddiqui, Niranjana Prasad, D.K. Sinha, M. Senthil Murugan, P. Lenin Singh, A. Mishra, M. Mishra, **Prasannavadhana A** and M.

- Bhardwaj. “Antimicrobial activity of edible gums against common pathogenic bacteria of animal and human health significance”
9. Pavan Kumar P, **Prasannavadhana A** and B.R. Singh. “CRISPR- Evolution from Immune system to a genome editing technology: an alternative gene therapy to treat superbugs”
 10. M.Bhardwaj, B.R.Singh, D.K.Sinha, Vinod Kumar O.R., **Prasanna Vadhana**, M.Senthil Murugan, Sakshi Dubey, S.V.Singh, K.R.Nirupama and Pruthvishree B.S. “Multiple antimicrobial drug resistance in *Escherichia coli* isolates of animal origin and hope from herbal antimicrobials”
 11. PruthvishreeB.S., O.R.Vinodh Kumar,B.R.Singh, D.K.Sinha, K.R.Nirupama, Murugan M.S., **Prasanna Vadhana**, M.Bhardwaj and S.V.Singh. “Multiple antimicrobial drug resistance in *Escherichia coli* isolates of animal origin and hope from herbal antimicrobials”
 12. Nirupama K.R., D.K.Sinha, B.R.Singh, O.R.Vinodh Kumar, Pruthvishree B.S., **Prasanna Vadhana**, M.Bhardwaj and S.V.Singh. “Multiple antimicrobial drug resistance in *Escherichia coli* isolates of animal origin and hope from herbal antimicrobials”
 13. Bhoj Raj Singh, DK Sinha, Vinodh Kumar OR, KP Singh, AM Pawde, Prasanna Vadhana, M. Bharadwaj, A Saraf, S. Dubey (2017). Antimicrobial drug resistance pattern of bacteria isolated from cases of abortion and metritis in animals. University of Hyderabad. ICRBCE-2017/35th SRBCE Meeting.

Full length Papers

1. **Prasanna Vadhana**, Bhoj Raj Singh, Pavan Kumar Pesingi, Monika Bhardwaj, Shiv Varan Singh, Manoj Kumawat, Dharmendra Kumar Sinha and Ravi Kumar Gandham. (2019). MexAB-OprM efflux pump of *Pseudomonas aeruginosa* offers resistance to carvacrol: a herbal antimicrobial agent. *Frontiers in microbiology*. 10.2664.
2. **Prasanna Vadhana**, Prasada Rao, Thavitiki Manasa Varra, Latchumikanthan Annamalai, Ramya Putturu, Venkateswara Rao Lakkineni and Pavan Kumar Pesingi. (2019). Evaluation of efflux pump activity of multidrug-resistant *Salmonella*

- Typhimurium isolated from poultry wet markets in India. 2019. *Infection and Drug Resistance*.12, 1081- 1088.
3. M. Senthil Murugan, D. K. Sinha, O. R. Vinodh Kumar, Ajay Kumar Yadav, B. S. Pruthvishree, **Prasanna Vadhana**, K. R. Nirupama, Monika Bhardwaj and B. R. Singh. Epidemiology of carbapenem resistant *Escherichia coli* and first report of blaVIM carbapenemases gene in calves from India.2019. *Epidemiology and Infection*.147, e159, 1–5.
 4. **Prasannavadhana A**, Santosh Kumar, Prasad Thomas, Laxmi Narayan Sarangi, Santosh Gupta, Adyasha Priyadarshini, Viswas Konasagara Nagaleekar, and V.P. Singh Outer membrane proteome analysis of Indian strain of *Pasteurella multocida* serotype B:2 by MALDI-TOF/MS analysis. *The Scientific World Journal* / 2014
 5. **Prasanna vadhana**, Bhoj R Singh, Monika Bharadwaj and Shiv Varan Singh. Emergence of herbal antimicrobial drug resistance in clinical bacterial isolates. *Pharmaceutica analytica acta*, 2015.
 6. Antimicrobial potential of agarwood oil against microbes of clinical, food and environmental origin *Current Drug Technologies*.2019
 7. Evaluation of carvacrol as an antibacterial agent against *Escherichia coli* isolated from different animal species. 2019. *Journal of Entomology and Zoology Studies*. 7(3): 911-914
 8. A preliminary study on occurrence of fresh water snails in different snail habitats in some parts of Puducherry. 2019. *Journal of Entomology and Zoology Studies*. 7(2): 975-980
 9. P. Pavan Kumar, R. K. Agarwal, P. Thomas, B. Sailo, **Prasannavadhana**, Ashok Kumar, J. L. Kataria and D. K. Singh. Rapid Detection of *Salmonella enterica* Subspecies enterica serovar Typhimurium by Loop Mediated Isothermal Amplification (LAMP) Test from Field Chicken Meat Samples. *Food Biotechnology*, 28:1, 50-62 (2014)
 10. P. Pavan Kumar, R. K. Agarwal, Avinash Reddy D., **Prasannavadhana. A.**, P. Blessa Sailo, Prasad Thomas, D. K. Singh, Ashok Kumar, J. L. Kataria and Prescilla, K. Loop mediated isothermal amplification (LAMP) test for rapid detection of *Salmonella* in the chicken meat. *Journal of veterinary public health* (2014)

11. Monika Bhardwaj, Bhoj Raj Singh, **Prasanna Vadhana**. *Bordetella Bronchiseptica* Infection and Kennel Cough in Dogs. *Advances in Animal and Veterinary Sciences*. (2013)1 (3S): 1- 4.
12. Polem Lenin Singh, Bhoj Raj Singh, Monika Bhardwaj, **Prasannavadhana**, Dharmendra Kumar Sinha, Nongthombam Bobby, Ravi Kant Agrawal, Abhijit M Pawde. Detection of *Bordetella bronchiseptica* in Serum of Apparently Healthy and Clinically Sick Pet Dogs. *Advances in Animal and Veterinary Sciences*:(2015) 3(2): 122-126
13. Bhoj R.Singh, R.K.Agarwal, K.P.Singh, A.M.Pawde, D.K.Sinha, Sakshi Dubey, Monika Bhardwaj, **Prasannavadhana**. Antibacterial activity of Caraway essential oil against bacteria isolated from veterinary clinical cases. *Natural Products: An Indian Journal* 03/2015; 11(2):69-74.
14. Monika Bhardwaj, Bhoj R Singh, M Senthil Murugan, **Prasannavadhana**, Sakshi Dubey. Emergence of carbapenemase producing pathogens in animals. *Pharmaceutica Analytica Acta*, 2015, 6:6
15. Bhoj R Singh, Ravi Kant Agrawal, Sakshi Dubey, Monika Bhardwaj, **Prasanna Vadhana**. Antimicrobial activity of Rose Geranium (*Pelargonium roseum*) essential oil on bacteria of veterinary clinical origin. *Asian Journal of Pharmaceutical Technology & Innovation*, 03 (13); 2015; 01 - 05n.
16. Sakshi Dubey, Dharmendra K Sinha, M Senthil Murugan , Polem Lenin Singh, Mahtab Z Siddiqui, Niranjan Prasad, **Prasanna Vadhana A**, Monika Bhardwaj, Bhoj R Singh. Antimicrobial Activity of ethanolic and Aqueous Extracts of Common Edible Gums against Pathogenic Bacteria of Animal and Human Health Significance. *Research & Reviews: Journal of Pharmaceutics and Nanotechnology* (2015).
17. B.R. Singh, Ravi Kant Agrawal, D.K. Sinha, Vinodh Kumar O.R., **Prasanna Vadhana**, Monika Bhardwaj, Sakshi Dubey and Shiv Varan Singh. Antimicrobial Activity in Aqueous and Methanolic Leaf Extract of *Eupatorium odoratum* against Bacteria of Clinical and Nonclinical Origin (2015). *Journal of Advanced Clinical Pharmacology*, 2015, 2, 50-59.
18. Bhoj R Singh, Ravikant Agrawal, **Prasanna vadhana**, Monika Bhardwaj and Sakshi Dubey. Antimicrobial Activity of Citronella Essential Oil on Antimicrobial Drug

resistant Bacteria from Veterinary Clinical Cases. Clinical & Medical Biochemistry (2015)

19. Bhoj R Singh, Vinodh Kumar OR, Dharmendra K Sinha, Ravi Kant Agrawal, **Prasanna Vadhana**, Monika Bharadwaj and Shiv Varan Singh. Antimicrobial Activity of Methanolic Extract and Ether Extract of *Ageratum conyzoides*. Pharmaceutica Analytica Acta (2016)
20. Shiv Varan Singh, Bhoj R Singh, Dharmendra K Sinha, Vinodh Kumar OR, **Prasanna Vadhana A**, Monika Bhardwaj and Sakshi Dubey. Gallibacterium anatis: An Emerging Pathogen of Poultry Birds and Domiciled Birds. Veterinary Science & Technology (2016)
21. Abhijeet M Ingale, Rai RB, Saminathan M. **Prasanna Vadhana**, Hingade SS, Kuldeep Dhama et al. Isolation, PCR detection, pathotyping and antibiogram profiling of *Escherichia coli* associated with endometritis in buffaloes. Journal of Animal and Plant Sciences (2016)
22. Singh BR, **Vadhana P**, Bhardwaj M, Vinodh Kumar OR, Sinha DK, et al. (2016) Comparative Antimicrobial Activity of Tea Tree Oil (Melaleuca Oil) and Common Topical Antimicrobials against Bacteria Associated With Wound and Topical Infections. Pharm Anal Acta 7: 513
23. Bhardwaj M, Singh BR, Sinha DK, Kumar V, **Prasanna Vadhana**, et al. (2016) Potential of Herbal Drug and Antibiotic Combination Therapy: A New Approach to Treat Multidrug Resistant Bacteria. Pharm Anal Acta 7: 523.
24. Bhoj R Singh, Vinodh Kumar, Dharmendra K Sinha, Monika Bhardwaj, Archana Saraf and **Prasanna Vadhana**. (2017) Antimicrobial Resistance Profile of Enteropathogens Isolated from Diarrhea Patients: Herbal antimicrobials, a ray of hope. Annals of Pharmacology and Pharmaceutics 2: 1-8.
25. Singh BR, Sinha DK, Bhardwaj M, **Vadhana P**, Saraf A, Rajendran VKO, Pawde A, Gupta VK and De UK. (2017). Antimicrobial Activity of Kalonji Oil and its Comparison with Methanolic and Aqueous Extracts of *Nigella sativa* (Kalonji) Seeds. Natural products: an Indian Journal 13: 107.

Papers in books, proceedings and non indexed journals

1. M. Karikalan, A. Elamurugan, P. Pavan Kumar, **A. Prasanna Vadhana**, P. Gokulakrishnan. Poultry housing- information and tips. Poultry world / March-2013 p- 22-24
2. Pesingi Pavan Kumar, Manoj Kumawat, **Prasanna Vadhana**, Rajesh K Agarwal, Sujoy K. Dhara, Manish Mahawar. Biosafety in bacteriological procedures. Heavy metal pollutants in environment, effects on animal and mitigation. ICAR sponsored summer school, Training Manual- June 03-23, 2015, Page 127-131
3. Bhoj R Singh, Sinha DK, Kumar Vinodh OR, **Prasanna Vadhana**, Bhardwaj M, Singh S. Sample collection for bacterial isolation, characterization and ABST. <http://www.researchgate.net/publication/280934311>

Professional Affiliations

- Life member in Indian Association of Veterinary Microbiologists and Immunologists (**IAVMI**)
- Registered with Veterinary Council of India
- Life member in Indian Association for the Advancement of Veterinary Research (**IAAVR**)
- Life member in Indian Association of Veterinary Public Health Specialists (**IAVPHS**)
- Life member in Indian Public Health Association (**IPHA-Kolkatta**)
- Life member in Indian Science Congress Association (**ISCA-Kolkatta**)
- Life member in Association of Microbiologists of India (**AMI-New Delhi**)
- Life member in National Association of Vector Borne Diseases (**NAVBD-Bhubaneshwar**)

Extracurricular Achievements (NCC / NSS / Sports and Games)

Activity	Period		Level
	From	To	
NSS	24.12.2003	02.01.2004	National Service Scheme, State NSS Cell, Puducherry
<u>Sports and Games:-</u>			
Badminton	23-03-2017	25-03-2017	Runners Up - All India Veterinary Colleges Badminton Championship, College of veterinary & Animal sciences G.B.Pant University of Agriculture and Technology - Pantnagar (Uttarakhand)
Badminton	31-03-2016	02-04-2016	Runners Up - All India Veterinary Colleges Badminton Championship, College of veterinary & Animal sciences G.B.Pant University of Agriculture and Technology - Pantnagar (Uttarakhand)
Badminton	22-02-2016	26-02-2016	XVI All India inter agricultural universities sports & games meet 2015-16, Tamil Nadu Agricultural University Coimbatore. (TN)
Badminton	18.03.2015	20.03.2015	All India Veterinary Colleges Badminton Championship, College of veterinary & Animal sciences G.B.Pant University of Agriculture and Technology - Pantnagar (Uttarakhand)
Volley Ball	7.12.2014	9.12.2014	124 th foundation day celebrations (Games and Sports meet) - Indian Veterinary Research Institute, Izatnagar
Badminton coordinator	7.12.2014	9.12.2014	124 th foundation day celebrations (Games and Sports meet) - Indian Veterinary Research Institute, Izatnagar
Tug of war	7.12.2014	9.12.2014	124 th foundation day celebrations (Games and Sports meet) - Indian Veterinary Research Institute, Izatnagar
Discuss Throw	9.12.2013	11.12.2013	124 th foundation day celebrations (Games and Sports meet) - Indian Veterinary Research Institute, Izatnagar

Cricket Ball Throw	9.12.2013	11.12.2013	124 th foundation day celebrations (Games and Sports meet) - Indian Veterinary Research Institute, Izatnagar
Badminton Doubles	9.12.2013	11.12.2013	124 th foundation day celebrations (Games and Sports meet) - Indian Veterinary Research Institute, Izatnagar
High Jump	9.12.2013	11.12.2013	124 th foundation day celebrations (Games and Sports meet) - Indian Veterinary Research Institute, Izatnagar
100 meters race	9.12.2013	11.12.2013	124 th foundation day celebrations (Games and Sports meet) - Indian Veterinary Research Institute, Izatnagar
Badminton Doubles	7.12.2012	9.12.2012	123 rd foundation day celebrations (Games and Sports meet) - Indian Veterinary Research Institute, Izatnagar
Badminton Singles	7.12.2012	9.12.2012	123 rd foundation day celebrations (Games and Sports meet) - Indian Veterinary Research Institute, Izatnagar
Badminton Mixed Doubles	7.12.2012	9.12.2012	123 rd foundation day celebrations (Games and Sports meet) - Indian Veterinary Research Institute, Izatnagar
Carrom Doubles	7.12.2012	9.12.2012	123 rd foundation day celebrations (Games and Sports meet) - Indian Veterinary Research Institute, Izatnagar
4 x 400 meters relay race	7.12.2012	9.12.2012	123 rd foundation day celebrations (Games and Sports meet) - Indian Veterinary Research Institute, Izatnagar
Tug of War	7.12.2012	9.12.2012	123 rd foundation day celebrations (Games and Sports meet) - Indian Veterinary Research Institute, Izatnagar
Volley Ball	7.12.2012	9.12.2012	123 rd foundation day celebrations (Games and Sports meet) - Indian Veterinary Research Institute, Izatnagar
Discuss Throw	8.12.2011	9.12.2011	122 th foundation day celebrations (Games and Sports meet) - Indian Veterinary Research Institute, Izatnagar
400 meters race	8.12.2011	9.12.2011	122 th foundation day celebrations (Games and Sports meet) - Indian Veterinary

			Research Institute, Izatnagar
Women's Basket Ball	2007-08	-	Inter collegiate tournament
Discuss throw	2008-09	-	Inter-Class competitions in RAGACOVAS, Kurumbapet, Puducherry
4 x 100 meters race	2008-09	-	Inter-Class competitions in RAGACOVAS, Kurumbapet, Puducherry
Long Jump	2008-09	-	Inter-Class competitions in RAGACOVAS, Kurumbapet, Puducherry
100 meters race	2008-09	-	Inter-Class competitions in RAGACOVAS, Kurumbapet, Puducherry
200 meters race	2008-09	-	Inter-Class competitions in RAGACOVAS, Kurumbapet, Puducherry
Long Jump	2006-07	-	Inter-Class competitions in RAGACOVAS, Kurumbapet, Puducherry
4 x 100 meters race	2006-07	-	Inter-Class competitions in RAGACOVAS, Kurumbapet, Puducherry
200 meters race	2006-07	-	Inter-Class competitions in RAGACOVAS, Kurumbapet, Puducherry
100 meters race	2006-07	-	Inter-Class competitions in RAGACOVAS, Kurumbapet, Puducherry
4 x 100 meters race	2005-06	-	Inter-Class competitions in RAGACOVAS, Kurumbapet, Puducherry
Kabaddi Match	10.09.2003	-	Inter house sports competition JNV karaikal
Volley Ball	22.02.2003	-	Inter house sports competition JNV karaikal
Hand Ball	20.02.2003	-	Inter house sports competition JNV karaikal
Discuss Throw	28.04.2003	-	Inter house sports competition JNV karaikal
4 x 100 meters relay race	28.04.2003	-	Inter house sports competition JNV karaikal
100 meters race	28.04.2003	-	Inter house sports competition JNV karaikal
200 meters race	28.04.2003	-	Inter house sports competition JNV karaikal
Long Jump	28.04.2003	-	Inter house sports competition JNV

			karaikal
Athletic Championship- Inter House	28.04.2003	-	Inter house sports competition JNV karaikal
200 meters race	2003-04		Regional Athletic Meet, JNV, Kolar District
4 x 100 relay race	17.10.2002	18.10.2002	Regional Athletic Meet, JNV, Bangalore Urban District
200 meters race	17.10.2002	18.10.2002	Regional Athletic Meet, JNV, Bangalore Urban District
Volley Ball	28.03.2002	-	Inter house sports competition JNV karaikal
Long Jump	30.03.2000	-	Inter house sports competition JNV karaikal
400 meter race	30.03.2000	-	Inter house sports competition JNV karaikal
100 meter race	30.03.2000	-	Inter house sports competition JNV karaikal
High Jump	30.03.2000	-	Inter house sports competition JNV karaikal
400 meters race for junior	30.03.2000	-	Inter house sports competition JNV karaikal
4 x 100 meter relay race	2.10.2000	3.10.2000	Regional Level Athletic Meet, JNV, Chandigarh
Long Jump	28.9.2000	29.09.2000	Cluster Level Athletic Meet, JNV, Chandigarh
200 meters	30.3.2000	-	Inter house sports competition JNV karaikal
4 x 100 relay race	19.2.1999	-	Inter house sports competition JNV karaikal
100 meters race	19.2.1999	-	Inter house sports competition JNV karaikal
Kho- Kho	19.2.1999	-	Inter house sports competition JNV karaikal
400 meters race	19.2.1999	-	Inter house sports competition JNV karaikal
Cultural activities:-			
Elocution Competition	9.11.2011	-	National Education Day Celebrations, IVRI, Izatnagar
Duet Song (Hindi)	2008-09	-	Inter-Class competitions in RAGACOVAS,

			Kurumbapet, Puducherry
Tamil Group Song	2008-09	-	Inter-Class competitions in RAGACOVAS, Kurumbapet, Puducherry
Duet song- Tamil	2008-09	-	Inter-Class competitions in RAGACOVAS, Kurumbapet, Puducherry
Elocution- English	2008-09	-	Inter-Class competitions in RAGACOVAS, Kurumbapet, Puducherry
Group Singing - Tamil	2008-09	-	Inter-Class competitions in RAGACOVAS, Kurumbapet, Puducherry
Group Dance	2008-09	-	Inter-Class competitions in RAGACOVAS, Kurumbapet, Puducherry
Group Singing - Hindi	2008-09	-	Inter-Class competitions in RAGACOVAS, Kurumbapet, Puducherry
Tamil Solo Song	2006-07	-	Inter-Class competitions in RAGACOVAS, Kurumbapet, Puducherry
National Youth Parliament Competition	2002-2003	-	Winner- 6th National Youth Parliament Competition, - Ministry of Parliamentary Affairs, Govt. of India
Sundar Likhawat (Hindi)	14.09.2003		Nehru Yuva Kendra, Karaikal
Best Dancer	2002	-	Nehru Yuva Kendra, Karaikal
Youth Parliament	2002-03	-	Inter House Youth Parliament Competition, JNV, Karaikal
Best Academic Performance	1999-2000		JNV Karaikal
Solo Song for Junior	31.07.1999	-	Inter house Competitions, JNV, Karaikal
Best Academic Performance	1998-99		JNV Karaikal
Tamil Essay writing	28.8.1999		Inter house Competitions, JNV, Karaikal
Mono Acting	11.01.2003		Inter house Competitions, JNV, Karaikal
Running	1993-94		Servite High School Annual Sports Competition- Karaikal- Pondicherry
50 meters race	1995-96		Servite High School Annual Sports Competition- Karaikal- Pondicherry

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