

Curriculum Vitae

Dr. Sundarachelvan Subramanian

B.V.Sc. & A.H., M.V.Sc. (Veterinary Public Health & Epidemiology)
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Address

C-303, Yashwant Deep Co-Op Housing Society, Near Central Park,
Gokul Township, Virar West, Palghar District, Maharashtra 401303.

Career objective

Passionate about advancing Veterinary Public Health and Epidemiology through innovative research, with a focus on improving animal and human health outcomes collaboratively.

Educational qualifications:

Course	School / College	University / Board	Year of passing	OGPA / Percentage
M.V.Sc. (Veterinary Public Health & Epidemiology)	Rajiv Gandhi Institute of Veterinary Education & Research, Puducherry	Pondicherry University	2025	8.79 (OGPA)
B.V.Sc. & A.H.	Mumbai Veterinary College, Mumbai	Maharashtra Animal & Fisheries Sciences University, Nagpur.	Dec-22	7.517 (OGPA)
HSC (12 th)	Rajhans Vidyalala, Mumbai	C.B.S.E.	May-17	91%
SSLC (10 th)	Muljibhai Mehta International School, Virar	C.B.S.E.	May-15	9.6 (CGPA)

Research experiences

- **M.V.Sc. research project (2023-2025):** Detection and Whole genome sequencing of rabies virus in brain and saliva of dogs in Puducherry under the supervision of Dr. Bhanu Rekha. V., Professor & Head, Department of Veterinary Public Health and Epidemiology, Rajiv Gandhi Institute of Veterinary Education and Research, Puducherry.
 - Isolation and characterisation of Extended Spectrum Beta Lactamase producing *E.coli* isolated from beef from slaughterhouses in Puducherry.
 - Quality from start to finish: A meta-analysis on effect of lairage and transport time on the quality of meat produced from goats in Puducherry.
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Clinical experiences

- Participated in Foot and mouth disease vaccination drive held for one week in Kankavli, Maharashtra under National service scheme by Mumbai veterinary college.
 - Volunteered at Jivadaya charitable trust during Uttarayan save birds campaign for one week and got hands on practice of basic treatment protocols, bandaging and suturing in birds along with handling and restraining of pigeons and kites.
 - Visited Bai Sakarbai Dinshaw Petit hospital, Parel during Covid 19 lockdown and worked in the medicine and surgery ward and got exposure of inhouse as well as outpatients. Also got to assist Dr. Dinesh Lokhande, Dr. Girish Yadav and Dr. Santhoshmani Tripathi for different surgeries like limb amputation, Caesarean section, castration, spaying, aural hematoma, laparoscopy etc.
 - Visited Caring Claws veterinary clinic and surgical centre, Virar west for practical learning and worked under Dr. Himanshu Shukla from June 2021 to December 2021 and learnt basic skills like parenteral administration of drugs, intravenous catheter placement, diagnostic and treatment protocols for common diseases, handling and restraining of pets and observed other clinical skills like history taking, interacting with the owners, presence of mind of a pet practitioner, spontaneity, managing clients etc. Also got to observe and assist in different surgeries like castration, spaying, C- section, enucleation, cystorrhaphy, dental tartar etc.
 - Have Completed the mandatory Internship Program 2022-2023 and worked at various centers like: Miraj veterinary polyclinic, Nashik veterinary polyclinic, Kolhapur veterinary polyclinic, Satara district veterinary polyclinic, Silvassa polyclinic, Aundh polyclinic Pune, Khar road veterinary dispensary; and gained knowledge and skills about the common cases in field, different diagnostic approaches and various treatment protocols and methods.
 - Participated in Lumpy Skin Disease vaccination program held in Ratnagiri district from 25/9/2022 to 10/10/2022.
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Training programs and workshops attended

- Participated in the Sensitization cum orientation programme under NADCP- FMD for the veterinary professionals in Puducherry- Phase-II, organized by the department of Veterinary Microbiology, RIVER, Puducherry, held at 7th march, 2023.
 - Participated in the training program on Real-Time PCR for Diagnostics at Center for Translational Research-cum- Central Instrumental Facility conducted at Rajiv Gandhi Institute of Veterinary Education and Research, Puducherry.
 - Participated in One day national workshop entitled “Mitigating climate change impact on Livestock production through strategic transformative approaches” organized by the department of Veterinary Physiology and Biochemistry, Veterinary college and Research Institute, Salem.
 - Successfully completed the e-workshop on ‘Questionnaire Designing’ held on 30th December 2023, organized by Commacad.
 - Participated in three days hands-on training on “Detection and Quantification of Antimicrobial residues in meat by Liquid Chromatography Tandem Mass Spectrometry” during 10th-11th may 2023, organized under ICAR-NAHEO-CAAST-MAFSU subproject entitled “Center of excellence for advanced research on animal food safety”.
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Conferences attended

National conferences

- Participated in the webinar on “Antimicrobial resistance: A One Health perspective”, organized by the Department of Veterinary Microbiology and Animal biotechnology Teaching and Research Centre, Nagpur Veterinary College, Nagpur.
- Abhiram Naidu K, Bhanu Rekha V, Ajay Kumar V.J, Deepan G, Sundarachelvan, 2023, Assessing Pet Owner’s Perspectives on Rabies Awareness: A KAP Survey in Puducherry, India in “One Health: Communication, Coordination, and Collaboration for a Rabies Free India” at 23rd National Conference of the Association for Prevention and Control of Rabies in India (APCRI), Lucknow on 7th-9th July 2023.
- Attended PG students national conference held at Sri Venkateshwara Veterinary University, Tirupati.
- Attended Annual conference of Association for Prevention and Control of Rabies in India, 2025, conducted by Chettinad Hospital and Research Institute, Kelambakkam, Chennai.

International conferences

- Attended International Symposium on “*Promotion of one health: Opportunities, challenges and Solutions*”, and XIXth Annual Conference of Indian Association of Veterinary

Public health Specialists organized by the Department of Veterinary Public Health and Epidemiology, LUVAS, Hisar during 7th and 8th December, 2023 at LUVAS, Hisar.

- International conference of Indian Society for Sheep and Goat Production and Utilization on “Recent trends and future perspectives to improve the performance, health and welfare of small ruminants under changing climate scenario” held at Rajiv Gandhi Institute of Veterinary Education and Research, Puducherry, India between 24-26th April 2024.

Awards won

- Sundarachelvan S, Bhanu Rekha V, Abhiram K Naidu, Deepan G, Nithya Quintoil M and Ajay VJ won second prize for best Poster presentation in the International Symposium on “*Promotion of one health: Opportunities, challenges and Solutions*”, and XIXth Annual Conference of Indian Association of Veterinary Public health Specialists organized by the Department of Veterinary Public Health and Epidemiology, LUVAS, Hisar during 7th and 8th December, 2023 at LUVAS, Hisar.
- Sundarachelvan S, Abhiram Naidu K, Nithya Quintoil M, Bhanu Rekha V, Ajay Kumar V J., won first prize for article entitled “Revolutionizing One health: The Role of Phage Training in Tackling Antimicrobial Resistance across Human, Animal and Environmental Health”
- Sundarachelvan S, Bhanu Rekha V, Ajay Kumar VJ, Nithya Quintoil M, Deepan G and Abhiram Naidu K secured first prize for best poster presentation for paper entitled “Quality from start to finish: A Meta-analysis on welfare and meat quality in sheep and goats” in technical session “Newer Perspectives in Sheep and goat welfare” in the International conference of Indian Society for Sheep and Goat Production and Utilization on “Recent trends and future perspectives to improve the performance, health and welfare of small ruminants under changing climate scenario” held at Rajiv Gandhi Institute of Veterinary Education and Research, Puducherry, India between 24-26th April, 2024.
- Sundarachelvan S, Bhanu Rekha V, Ajay Kumar VJ, Vijayalakshmi M, Nithya Quintoil M, Abhiram Naidu K have won second prize for best poster presentation on paper entitled “Foramen magnum method of sample collection and lateral flow assay for the diagnosis of rabies in dogs in Puducherry” at National PG students conference held at Sri Venkateshwara Veterinary University, Tirupati.
- Abhiram Naidu K, Bhanu Rekha V, Ajay Kumar VJ, Nithya Quintoil M and Sundarachelvan S won Young Researcher Award for the work on “Evaluation of farmers training programme on milk quality and quality testing using a structured questionnaire” at the 7th International Hybrid Conference on Veterinary and Livestock, held on November 24-25, 2023, in Goa.
- Agnishwaran R, Sangeetha D, Bhanu Rekha V, Ajay Kumar VJ, Nithya Quintoil M and Sundarachelvan S received award for Best review article in post graduate students’ category in national level writing competition conducted by Indian Veterinary Association, Kerala in 2024 for paper entitled “Biomedical models unveiling zoonotic diseases: understanding their role and implications”.

- Agnishwaran R, Bhanu Rekha V, Nithya Quintoil M, S. Arthika, Sangeetha D, Sundarachelvan S and Ajay Kumar VJ secured first prize for best poster presentation for paper entitled “Phenotypic and genotypic detection of virulence and antimicrobial resistance of *Klebsiella Pneumoniae* isolates from goats and farm environments in Puducherry”, in the International conference of Indian Society for Sheep and Goat Production and Utilization on “Recent trends and future perspectives to improve the performance, health and welfare of small ruminants under changing climate scenario” held at Rajiv Gandhi Institute of Veterinary Education and Research, Puducherry, India between 24-26th April, 2024.
- Gidla Veera Venkata Satyanarayana, Ajay Kumar VJ, Bhanu Rekha V, Nithya Quintoil M, Deepan G, Sundarachelvan S have won second prize for best poster presentation on paper entitled “Molecular detection of virulence factors and antimicrobial resistant genes of *Salmonella* spp. in chevon and slaughterhouse environment in Puducherry” at National PG students conference held at Sri Venkateshwara Veterinary University, Tirupati.
- Agnishwaran R, Bhanu Rekha V, Nithya Quintoil M, Sundarachelvan S, Ajay Kumar VJ, S. Arthika and Sangeetha D have received best oral presentation award for paper entitled “Isolation and characterization of virulence and anti-microbial resistant genes in *E.coli* isolated from snails and fishes” at National PG students conference held at Sri Venkateshwara Veterinary University, Tirupati on 11-12 December, 2024.

Publications

- Sundarachelvan S, Nithya Quintoil M, Bhanu Rekha V, Agnishwaran R, Arthika S and Sangeetha D. 2024, “Methane emission from Livestock assessing the environmental offprint and remediation approaches”, *Chronicles of Aquatic Science*. 2(3): (18-26).
- Sundarachelvan S, Bhanu Rekha V, Nithya Quintoil M, Ajay Kumar VJ, Abhiram Naidu K (2024), “Revolutionizing One health: The Role of Phage Training in Tackling Antimicrobial Resistance across Human, Animal and Environmental Health *Veterinary Today* magazine.
- Abhiram Naidu K, Hemanth M, Sai ram N, Anbupriyan T, Bhanu Rekha V and Sundarachelvan (2023), “A study on the biosecurity measures followed by dairy cattle farmers in Puducherry region of India”. *The Pharma Innovation journal*, 12 (3): 4124-4127.
- Agnishwaran R, Sangeetha D, Bhanu Rekha V, Ajay Kumar VJ, Nithya Quintoil M, Sundarachelvan S, “Biomedical models unveiling zoonotic diseases: understanding their role and implications”, *Advances in Veterinary and Animal Sciences*, 978-93-340-4428-7.
- Sowmiya. V, Bhanu Rekha V, Abhiram Naidu K, Sundarachelvan S, Deepan. G, Nithya Quintoil. M, Satyanarayana G.V.V, Ajay Kumar V.j. Virulence and antimicrobial resistance patterns of diarrheagenic *E. coli* isolated from beef samples. *Indian journal of veterinary research*, Vol. 33 (2).
- Sundarachelvan S & Bhanu Rekha, V. (2024), “Understanding the Molecular Landscape of Rabies Virus in India- A review”. *Journal of Veterinary Public Health*. Vol. 22(1).

- Sundarachelvan S, Bhanu Rekha V and Ajay Kumar VJ (2024) Recording of Animal and Human bite cases and its Correlation in Rabies Control: A One Health Approach. Journal of Veterinary Public Health. Vol. 22(1).
 - Abhiram Naidu Khillada, V. Bhanu Rekha, Shrikrishna Isloor, Ajay Kumar VJ, Vijayalakshmi P, Quintoil NM, Sundarachelvan S, Singh S, Banakar NM, Deepan G, Ravivarman S. First report of dog bite epidemiology and Rabies diagnosis in stray dogs: a one health study from Puducherry. Frontiers in Veterinary Science. 12:1644231.
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Organizational experiences

- Involved in organizing Rabies poster contest, conducted by the Department of Veterinary Public health and Epidemiology, RIVER, Puducherry to celebrate World Rabies Day-2023, supported by the National health Mission, funded by National Rabies Control Programme, Puducherry.
 - Involved in organizing Two-day SHG women dairy farmers training program on MILK QUALITY AND QUALITY TESTING” from 17th to 18th December 2023 conducted by Department of Veterinary Public Health and Epidemiology, Rajiv Gandhi Institute of Veterinary Education and Research, supported by Puducherry State Rural Livelihood Mission, District Rural Development Agency, Puducherry
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Professional affiliations

- Member in Indian Association of Veterinary Public Health Specialists
 - Member in the Association for prevention and control of rabies in India.
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Languages known

- English, Tamil, Hindi, Marathi, Japanese (JLPT-N5 level).
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Skills

- PCR- Conventional, Real time, Hemi nested PCR.
 - Agarose gel electrophoresis
 - Microbiological culture work
 - Direct fluorescent antibody test
 - Primer designing
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Soft skills

- MS word
- MS PowerPoint
- MS Excel
- Statistical package for social sciences

- R software
 - Epi-collect
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Accession Numbers obtained

- PV276162
- PV276161
- PV299592
- PV299593

**Rabies virus isolates, Partial N
gene sequences**

- SAMN48512738
- SAMN48512739
- SAMN48512740
- SAMN48512741
- SAMN48512742
- SAMN48512743
- SAMN48512744
- SAMN48512745
- SAMN48512746
- SAMN48512747
- SAMN48512748
- SAMN48512749
- SAMN48512750
- SAMN48512751
- SAMN48512752
- SAMN48512753
- SAMN48512754
- SAMN48512755
- SAMN48512756
- SAMN48512757

**Rabies virus isolates, Whole
genome sequences**

References

- Dr. V. Bhanu Rekha, M.V.Sc., Ph.D., PGDZ.,
Professor and Head, Department of Veterinary Public Health and Epidemiology
RIVER, Puducherry
Email: vivekabhanu@gmail.com
 - Dr. V. Sejian, M.V.Sc., Ph.D., Post Doc (USA & Australia)
Dean, RIVER, Puducherry
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 - Dr. V.J. Ajay Kumar, M.V.Sc., Ph.D.,
Professor, Department of Veterinary Public Health and Epidemiology
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 - Dr. Shrikirishna Isloor M.V.Sc., Ph.D.
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