

Ruwini Kaushalya Rupasinghe

BVSc, MPhil, MPVM, PhD

Postdoctoral Scholar

website: <https://rkrupasinghe.com>

EDUCATION

University of California, Davis, USA

- **PhD in Epidemiology** 09/2019-12/2024
Dissertation Title: *Integrating molecular and evolutionary genetic tools with other epidemiological methods to better prevent and control infectious diseases in pigs* (<https://escholarship.org/uc/item/49q7q353>)
- **Master of Preventive Veterinary Medicine (MPVM)** 08/2017-09/2019
Thesis Title: *The effects of environmental enrichment with *Acalypha indica* plant and olfactory receptor gene variability on behavior of adult domestic cats in Sri Lanka*

University of Peradeniya, Sri Lanka

- **Master of Philosophy (MPhil) in genetics** 06/2014-07/2017
Thesis Title: *Genotyping and association analysis of polymorphisms in milk protein encoding genes in upcountry dairy cattle breeds in Sri Lanka*
- **Bachelor of Veterinary Science (BVSc)** 08/2008-05/2013
Thesis Title: *Preliminary investigation of DNA sequence variation in the alpha-lactalbumin gene of the indigenous goats (*Capra hircus*) of Sri Lanka*

PROFESSIONAL EXPERIENCE

RESEARCH

- Postdoctoral Scholar 01/2025-present
Center for Animal Disease Modeling and Surveillance, School of Veterinary Medicine, UC Davis
- Graduate Student Researcher 07/2019-12/2024
Center for Animal Disease Modeling and Surveillance, School of Veterinary Medicine, UC Davis
- Graduate Student Researcher, Department of Medicine & Epidemiology 08/2017-09/2019
School of Veterinary Medicine, UC Davis
- Research Assistant 07/2014-07/2017
Department of Basic Veterinary Sciences, University of Peradeniya, Sri Lanka

TEACHING

- **Invited speaker** for Topics in Public Health (SPH 190) undergraduate course, UC Davis; March 2025. Title: *Integrating molecular and evolutionary genetic tools with other epidemiological methods to better prevent and control infectious diseases*
- **Invited speaker** for Vet Next Conference 2023: Integrating Animal Health and Modern Agriculture, Davis, California, USA; Aug 28-Sep 8, 2023. Title: *Antimicrobial resistance surveillance: bridging genomics, microbiology, and epidemiology*
- **Teaching assistant**, UC Davis
 1. Applied Epidemiology Problem Solving (MPM207) graduate course, UC Davis (01/2021-03/2021)
 2. One Health: Human, Animal & Environment Interfaces (PMI129Y) undergraduate course, UC Davis (09/2017-03/2018 and 09/2018-12/2018)
 3. Global Population, Health, and Environment (VME057V) cross-campus undergraduate course, University of California (04/2018-06/2018)
- Teaching undergraduate molecular biology practical classes, Faculty of Veterinary Medicine and Animal Science, University of Peradeniya, Sri Lanka (2014-2016)

CLINICAL

- Junior veterinary clinician, Small Animal Hospital, Sri Lanka 08/2013-12/2013
- Internship (Sri Lanka)

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|-------------------------------------------------------------------|-----------------|
| 1. Government Veterinary Surgeon Office (mixed-animal practice) | 04/2014-06/2014 |
| 2. National Livestock Development Board, Bopaththalawa dairy farm | 01/2014-03/2014 |
| 3. Veterinary Investigation Center, Sri Lanka (2-weeks) | 09/2009 |

SKILLS

- Computational & Bioinformatics: NGS data workflows; sequence preprocessing workflows; phylogenetic analyses (IQ-TREE, BEAST, Nextstrain); microbiome analysis; Linux/Unix command-line bioinformatics; Conda environment management; GitHub
- Programming languages: R; Unix shell scripting
- Statistical & data analysis: R, SPSS, STATA; statistical modeling; network analysis; time-series analysis; machine learning (supervised and unsupervised); spatial and geostatistical analysis (qGIS, ArcGIS)
- Laboratory techniques: DNA extraction; PCR, qPCR, RT-PCR; ELISA; microbial culture; antimicrobial susceptibility testing
- Field techniques: Epidemiological study design (e.g., case-control studies, crossover clinical trials); environmental and animal sample collection; rodent trapping; soft tick sampling and identification; survey design, field implementation, and data collection

PROFESSIONAL MEMBERSHIPS

- Frontiers in Ecology and Evolution's Phylogenetics, Phylogenomics, and Systematics (Review Editor) since 05/2025
- Association for Veterinary Epidemiology and Preventive Medicine (student membership) since 05/10/2024
- American Society for Microbiology (student membership) 04/07/2022-12/31/2022
- The Carpentries, California, USA (Certified Instructor) since 06/03/2020
- American Association for the Advancement of Science (sponsored membership) 10/17/2017-10/31/2020
- Sri Lankan Society for Microbiology 12/02/2016
- Sri Lanka Veterinary Association 2014-2018
- Veterinary Council of Sri Lanka (Registered Veterinary Surgeon) since 07/22/2014

ACADEMIC LEADERSHIP AND SERVICE

- Peer-reviewed manuscripts for international journals: *PLOS Computational Biology* (2025); *Sri Lanka Veterinary Journal* (2025); *Frontiers in Veterinary Science* (2024, 2022); *BMC Veterinary Research* (2022)
- Co-founder & Organizer, Veterinary Journal Club – supporting early-career veterinarians in Sri Lanka (05/2025-present)
- Served as a judge for oral and poster presentations at the 10th Annual Postdoctoral Scholars Research Symposium, UC Davis (04/2025)
- Contributed to the Collaborative COVID-19 Literature Review Synopses (CoCOLRS) database by producing weekly, concise summaries of emerging COVID-19 research for California Department of Public Health staff and affiliated public health professionals (2020)
- Assisted in organizing *GeoVet 2019 International Conference* in Davis, California, USA (2019) and *One Health International Conference* (University of Peradeniya and UC Davis) in Peradeniya, Sri Lanka (2014).
- Registered volunteer of Students of Veterinary Emergency Response Team, UC Davis (09/2018-06/2019)
- Contributed to the market analysis for the Master of Preventive Veterinary Medicine (MPVM) program, UC Davis (2018)
- Participated in the stakeholder workshop on the revision of the Bachelor of Veterinary Science (BVSc) degree curriculum (2019 revision, University of Peradeniya), Kandy, Sri Lanka (2016)
- Participated in fieldwork for research projects:
 1. Soft tick sampling across California – UC Davis and CIRAD/French Agricultural Research Centre for International Development (2025)
 2. Rodent trapping in Clover Valley, California – UC Davis (2021)
 3. Wildlife gut microbiome studies involving elephants and donkeys, Sri Lanka – University of Peradeniya and UC Davis (2017)

4. Surveys assessing risk factors for rickettsial infections in suburban communities in Sri Lanka – University of Peradeniya (2012)

HONORS/AWARDS

- 2023-2024 UC Davis Graduate Student Support Program (GSSP) Fellowship for research: Evaluation of genetic diversity and distribution and mechanisms of virulence and multidrug resistance of *Streptococcus suis* circulating in a group of swine farms in North America from 2015 to 2022
- Planetary Health student ambassador, University of California Global Health Institute (2022-2023)
- Diversity, Equity, and Inclusion Scholarship for the Rx One Health Field Institute course (2021)
- Epidemiology Graduate Group Fellowship (2020 and 2019) and MPVM Fellowship (2017), UC Davis
- UC Davis representative of the Veterinary student day 2019 at the Centers for Disease Control headquarters in Atlanta, Georgia (01/2019)
- Global Feline Health and Underserved Community Research & Experience Fellowship by Office for Global Programs, School of Veterinary Medicine, UC Davis (2018)
- Air commodore Dr. R.M.P.H. Dassanayake Award for the best paper and the presentation in animal production at the 69th annual scientific sessions of the Sri Lanka Veterinary Association (2017)
- Air commodore Dr. R.M.P.H. Dassanayake Award for the best paper and the presentation in animal production at the 68th annual scientific sessions of the Sri Lanka Veterinary Association (2016)

PUBLICATIONS

MANUSCRIPTS (First author is denoted by a †)

<https://scholar.google.com/citations?user=oDqhpwYAAAAJ&hl=en>

1. **Rupasinghe, R.†**, Mugabi, R., Li, G., Madson, D., Murray, G.G.R., Weinert, L.A.W., Robbins, R.C., Harms, P., Main, R.G., Gottschalk, M., Tucker, A.W., Martínez-López, B., Clavijo M.J., Population structure and pathotype framework of *Streptococcus suis* across major swine-producing regions (2014–2024): implications for surveillance and disease control (*under review*).
2. **Rupasinghe, R.†**, Díaz Cao, J.M., Kent, M., Lejeune, A.T., Rebhun, R.B. and Martínez-López, B., Descriptive epidemiology of canine and feline cancer in California, United States from 2000 to 2019. *The Veterinary Journal* (*in print*).
3. **Rupasinghe, R.†**, Bustamante, B.L.M.†, Robbins, R.C., Clavijo, M.J., Martínez-López, B., Bayesian network models to assess antimicrobial resistance patterns of *Streptococcus suis* isolated from swine production systems in the United States between 2014-2021. *PLOS Computational Biology* (*under review*).
4. Barton, K.A.†, Finnerty, P.B., **Rupasinghe, R.**, González-Crespo, C., Mahar, J.E., Eden, J.S., Meisuria, N.Y., Martínez-López, B., Newsome, T.M., Peel, A.J. and Smith, J.A. (2025). The final frontier: using carcasses for one health surveillance at the ecosystem interface. *Frontiers in Veterinary Science*, 12, p.1683110.
5. Martínez-López, B.†, Díaz-Cao, J. M., Clavijo, M. J., González-Crespo, C., Gómez-Vázquez, J. P., **Rupasinghe, R.**, and Liu, X. (2025). Toward precision veterinary epidemiology: applications, challenges, and opportunities of digitalization and the Big Data revolution in livestock health. *Journal of the American Veterinary Medical Association*, 263(5), 650-657.
6. Kim, J.†, **Rupasinghe, R.†**, Halev, A., Huang, C., Rezaei, S., Clavijo, M.J., Robbins, R.C., Martínez-López, B. and Liu, X. (2023). Predicting antimicrobial resistance of bacterial pathogens using time series analysis. *Frontiers in Microbiology*, 14, 1160224.
7. **Rupasinghe, R.†**, Smith, W.A., Harvey, D.J., Wickramasinghe, S. and Rajapaksha, E. (2022). Response of adult domestic cats in Sri Lanka to *Acalypha indica* root embedded toys and the influence of single nucleotide polymorphisms in olfactory receptor genes on the elicited behavior. *Applied Animal Behaviour Science*, 253, 105677.
8. Díaz Cao, J.M.†, Kent, M.S., **Rupasinghe, R.** and Martínez-López, B. (2022). Application of Bayesian regression for the identification of a catchment area for cancer cases in dogs and cats. *Frontiers in Veterinary Science*, 9, 937904.
9. **Rupasinghe, R.†**, Lee, K., Liu, X., Gauger, P.C., Zhang, J. and Martínez-López, B. (2022). Molecular evolution of porcine reproductive and respiratory syndrome virus field strains from two swine production systems in the Midwestern United States from 2001 to 2020. *Microbiology Spectrum*, 10(3), e02634-21.

10. **Rupasinghe, R.**†, Amarasena, S., Wickramarathna, S., Biggs, P. J., Chandrajith, R., & Wickramasinghe, S. (2022). Microbial diversity and ecology of geothermal springs in the high-grade metamorphic terrain of Sri Lanka. *Environmental Advances*, 7, 100166.
11. **Rupasinghe, R.**, Chomel, B.B. and Martínez-López, B. (2022). Climate change and zoonoses: A review of the current status, knowledge gaps, and future trends. *Acta Tropica*, 226, 106225.
12. Kim, J.†, Lee, K., **Rupasinghe, R.**, Rezaei, S., Martínez-López, B. and Liu, X. (2021). Applications of machine learning for the classification of porcine reproductive and respiratory syndrome virus sublineages using amino acid scores of ORF5 gene. *Frontiers in Veterinary Science*, 8, 683134.
13. M Pry, J.†, Jackson, W., **Rupasinghe, R.**, Lishanthe, G., Badurdeen, Z., Abeysekara, T., Chandrajith, R., Smith, W. and Wickramasinghe, S. (2021). A pilot case-control study using a one health approach to evaluate behavioral, environmental, and occupational risk factors for chronic kidney disease of unknown etiology in Sri Lanka. *One health outlook*, 3, 1-12.
 - Pry, J.M., Jackson, W., **Rupasinghe, R.**, Lishanthe, G., Badurdeen, Z., Abeysekara, T., Chandrajith, R., Smith, W. and Wickramasinghe, S. (2019). A pilot study of behavioral, environmental, and occupational risk factors for chronic kidney disease of unknown etiology in Sri Lanka. *BioRxiv*, 837393 (preprint).
14. **Rupasinghe, R.K.**†, Shanjayan, N., Lokugalappatti, L.G.S. and Wickramasinghe, S. (2020). Genetic variants of β -casein gene in indigenous and exotic dairy cattle breeds in Sri Lanka. *Asian Journal of Dairy and Food Research*, 39(3), 217-220.

CONFERENCE ABSTRACTS (Presenting author is denoted by an *)

1. Integrating gene-based genome-wide association studies with machine learning to identify and predict key virulence-associated genes in pathogenic *Streptococcus suis*. **Ruwini Rupasinghe***, Robert Mugabi, Ganwu Li, Maria J Clavijo, Beatriz Martínez-López. *2nd Symposium on Artificial Intelligence in Veterinary Medicine (SAVY 2.0)*, Ithaca, New York, USA; May 16-18, 2025
2. Distribution and potential genetic determinants of antimicrobial resistance of *Streptococcus suis* in North America, Latin America, and Europe from 2014 to 2024. **Ruwini Rupasinghe**, Robert Mugabi, Ganwu Li, Rebecca Robbins, Perry Harms, Maria J Clavijo*, Beatriz Martínez-López. *16th European Symposium of Porcine Health Management*, Bern, Switzerland; May 21-23, 2025
3. Genetic diversity and distribution of virulomes of *Streptococcus suis* circulating in North America, Latin America, and Europe from 2014 to 2024. **Ruwini Rupasinghe**, Robert Mugabi, Ganwu Li, Gemma Murray, Perry Harms, Rebecca Robbins, Alexander Tucker, Beatriz Martínez-López, Maria J Clavijo*. *16th European Symposium of Porcine Health Management*, Bern, Switzerland; May 21-23, 2025 (Poster)
4. Co-occurrence patterns of potential genetic determinants of antimicrobial resistance in *Streptococcus suis* in a group of swine farms in North America from 2018 to 2023. **Ruwini Rupasinghe***, Robert Mugabi, Ganwu Li, Maria J Clavijo, Beatriz Martínez-López. *17th International Symposium of Veterinary Epidemiology and Economics*, Sydney, Australia; Nov 11-15, 2024
5. Descriptive epidemiology of canine and feline cancer in California, United States from 2000 to 2019. **Ruwini Rupasinghe***, Jose Manuel Díaz Cao, Michael Kent, Beatriz Martínez-López. *29th Annual Cancer Research Symposium*, Sacramento, California, USA; Oct 5-6, 2023 (Poster)
6. Development of an operational tool for genomic and phenotypic surveillance of antimicrobial resistance: applications for swine pathogens in the United States. **Rupasinghe, R.***, Mugabi, R., Clavijo, M.J., Robbins, R.C. and Martínez-López, B. *GeoVet 2023 International Conference*, Teramo, Italy; Sep 19-21, 2023
7. Precision epidemiology in practice: applications to better prevent and control endemic diseases in the US swine industry. Martínez-López, B.*, Clavijo, M.J., Robbins, R., Gonzalez-Crespo, C., Gomez, J.P., **Rupasinghe, R.** and Liu, X. *GeoVet 2023 International Conference*, Teramo, Italy; Sep 19-21, 2023
8. Descriptive epidemiology of canine and feline cancer in California, United States from 2000 to 2019, **R. Rupasinghe***, J.M.D. Cao, M.S. Kent, B. Martínez-López. *16th International Symposium of Veterinary Epidemiology and Economics*, Halifax, Canada; Aug 7-12, 2022
9. Molecular evolution of ORF5 gene of field PRRSV type 2 strains in the United States from 2012 to 2020, **R. Rupasinghe***, K. Lee, X. Liu, B. Martínez-López. *Conference of Research Workers in Animal Diseases*, Chicago, Illinois, USA; Dec 3-7, 2021

10. Microbial diversity and ecology of hot water springs in Sri Lanka. **Ruwini Rupasinghe***, Sathya Amarasena, Patrick J. Biggs, Rohana Chandrajith, Saumya Wickramasinghe. *Southern California Geobiology symposium*, University of Southern California, USA; May 20-21, 2021 (Poster)
11. Estimation of the catchment area of a veterinary hospital using a Bayesian method. José Manuel Díaz-Cao*, **Ruwini Rupasinghe**, Michael S. Kent, Beatriz Martínez-López, *UC Davis Postdoctoral Research Symposium*, 2021
12. Genetic variants of Beta-casein gene in indigenous Thamankaduwa White and exotic Holstein Friesian and Ayrshire cattle in Sri Lanka. **R.A.R.K. Rupasinghe***, Shanjayan N, L.G.S Lokugalapatti, S. Wickramasinghe, *Proceedings of Sri Lanka Council for Agricultural Research Policy (SLCARP) International Agricultural Research Symposium 2018*, Colombo, Sri Lanka; Aug 13-14, 2018
13. Evaluation of β -Lactoglobulin gene polymorphism to develop a molecular marker for Sri Lankan dairy cattle breeding. Daundasekara DMKC*, **Rupasinghe RK**, Wickramasinghe YAMS, Sooriyapathirana SDSS, Wijayagunawardane MPB and Kodithuwakku SP, *Proceedings of the Wayamba University International Conference*, Sri Lanka, Aug 2016
14. Study on Beta casein A1 and A2 polymorphism in Ayrshire and Holstein Friesian dairy cattle populations in two upcountry dairy farms. **Ruwini K. Rupasinghe***, Saumya Wickramasinghe, *Proceedings of the 69th annual scientific sessions of the Sri Lanka Veterinary Association*, Peradeniya, Sri Lanka; May 26, 2017
15. Polymorphism of casein cluster genes in Ayrshire and Holstein Friesian dairy herds in Sri Lanka. **Ruwini K. Rupasinghe***, Saumya Wickramasinghe, *Proceedings of the 68th annual scientific sessions of the Sri Lanka Veterinary Association*, Kandy, Sri Lanka; Jul 15-16, 2016
16. Utilizing a One Health approach for identifying risk factors associated with an epidemic of chronic kidney disease of unknown etiology (CKDu) in the North Central region of Sri Lanka. W.A. Jackson*, J.M. Pry, S. Wickramasinghe, **R. Rupasinghe**, S. Jayawickrama, Z. Badurdeen, R. Chadrajith, W.A. Smith, *7th Annual Consortium of Universities for Global Health Conference*, May-Jun 2016 (Poster)
17. Genotyping of bovine κ -casein gene variants in Sri Lankan dairy cows by tetra-primer ARMS-PCR technique. **Ruwini Rupasinghe***, Saumya Wickramasinghe, *Plant and Animal Genome Asia conference-15*, Singapore; Jul 13-15, 2015 (Poster)
18. Evaluating best management practices to improve milk quality on Sri Lankan farms. Michelle Miller*, Saumya Wickramasinghe, Woutrina Smith, **R.A.R.K. Rupasinghe**, Achala Manoji, Rasika Jinadasa, *UC Davis STAR award presentations 2014* (Poster)

MANUSCRIPTS – ACKNOWLEDGED

1. Bacterial influence on the formation of hematite: implications for Martian dormant life – University of Peradeniya (2021)
2. *Borrelia burgdorferi* and *Borrelia miyamotoi* seroprevalence in California blood donors – UC Davis (2020)
3. Polymerase Chain Reaction-Single Strand Conformation Polymorphism (PCR-SSCP) analysis of alpha-lactalbumin gene in indigenous goats in North-Western province, Sri Lanka – University of Peradeniya (2016)

MANUSCRIPTS (IN PREPARATION)

1. Distribution and potential genetic determinants of antimicrobial resistance of *Streptococcus suis* in North America, Latin America, and Europe from 2014 to 2024.
2. Insight into the microbial community of water sources in CKDu affected regions in Sri Lanka
3. Genotyping milk protein genes and SNP based association analysis in *Bos taurus* cattle in up country dairy farms in Sri Lanka

ONLINE ARTICLES

1. **Rupasinghe, R.** & Martínez-López, B. (2022). Changing climate, changing diseases. In Wibawa T. (Ed.), *360Info*. Monash University. <https://360info.org/special-report-changing-climate-changing-diseases/>
2. **Rupasinghe, R.** (2021 Dec 02). Sri Lankan Veterinarian in California. Student Experiences in One Health. UC Davis One Health Institute, School of Veterinary Medicine. <https://ohi.vetmed.ucdavis.edu/news/sri-lankan-veterinarian-in-california>
3. **Rupasinghe, R.** Evaluation of the effects of environmental enrichment and genetics on behavior of geriatric cats. UC Davis Veterinary Medicine Global programs. <https://www.vetmed.ucdavis.edu/global-programs/international-externships/ruwini-rupasinghe>

OTHER CONFERENCES AND PROFESSIONAL MEETINGS**ACTIVE ROLES**

- Intensive research and planning workshop on carcass ecology, pathogen surveillance, and ecosystem health, a collaboration between UC Davis and University of Sydney, UC Davis (May 5-9, 2025)
- One Health Conference for Future Global Health, UC Davis Western Institute for Food Safety and Security (WIFSS), UC Davis (Jan 26-Feb 6, 2026; Feb 3-14, 2025; Aug 5-16, 2024) – **Team facilitator**
- Vet Next Conference 2024, UC Davis (Jul 29-Aug 9, 2024) – **Team facilitator**
- National Science Foundation (NSF) Convergence Accelerator: D680 Expo 2022, *virtual* (Jul 27-28, 2022) – **Booth representative**
- National Science Foundation (NSF) Convergence Accelerator: Expo 2021, *virtual* (Jul 28-29, 2021) – **Booth representative**

PARTICIPATION

- 2025 Research Expo – UC Davis Office of Research, UC Davis (Apr 30, 2025)
- Global Alliance for Rapid Diagnostics (GARD) symposium (Mar 20-26, 2023) – *virtual*
- Monkeypox and Orthopoxvirus mini-symposium on bioinformatics resources, tools, and research (Sep 15, 2022) – *virtual*
- Annual meeting for the NSF Convergence Accelerator Track-D: Data driven disease prevention and control in animal health, Davis, California, USA (Jun 1-2, 2022)
- GeoVet 2019 International Conference, Davis, California, USA (Oct 8 – 10, 2019)
- 4th and 5th Annual UC Davis One Health Symposium – Students for One Health and UC Davis One Health Institute, UC Davis (Nov 4, 2017; Nov 3, 2018)
- Global Climate Action Symposium – UC Davis and California Department of Conservation, UC Davis (Sep 10, 2018)
- One Health International Conference (University of Peradeniya and UC Davis), Peradeniya, Sri Lanka (Sep 5-6, 2014)

CERTIFICATIONS AND TRAINING**Data science**

- AIBridge Boot Camp – UC Davis (Jun 17-21, 2024)
- Social Network Analysis workshop – UC Davis (Feb 23-25, 2021)
- UC-wide Love Data Week – UC Davis (Feb 8-12, 2021)
- The Carpentries Instructor Training program (Jun 2020)
- Spatial Distribution Modeling with R – UC Davis (Oct 11, 2019)
- Introduction to Bayesian Statistics – UC Davis (Apr 7-9, 2018)
- Data Science and Big Data Analytics workshop – Postgraduate Institute of Science, University of Peradeniya, Sri Lanka (Oct 9, 2016)

Computational biology (Bioinformatics)

- Epi on the Island Summer course: Analyzing, Interpreting and Presenting Microbiome-Resistome Data – University of Minnesota and Texas A&M University (Jun 17-21, 2024) – *virtual*
- GeoVet 2023 pre-conference workshop: Applied introduction of phylodynamic methods for genomic surveillance of infectious diseases, Teramo, Italy (Sep 17-18, 2023)
- Metagenomics workshop – UC Davis (Aug 30-31, 2023)
- BV-BRC Bioinformatics workshop – Argonne National Laboratory, Chicago, Illinois, USA (Jun 26-30, 2023)
- GeoVet 2019 pre-conference workshop: Application of molecular tools to spatial epidemiology, Davis, California, USA (Oct 6-7, 2019)
- Next-Gen Sequence Analysis workshop – Data Intensive Biology Summer Institute, UC Davis (Jul 1-13, 2019)

One Health

- Planetary Health student ambassador, University of California Global Health Institute (2022-2023)

- Rx One Health Field Institute course – School of Veterinary Medicine and School of Medicine, UC Davis and Planetary Health Center of Expertise, University of California Global Health Institute (Jul 11-24, 2021)
- One Health Intensive Field course – University of Peradeniya and UC Davis, Sri Lanka (Jun 14-Jul 13, 2015)

Other

- Whole Scientist short course – UC Davis and Jackson Laboratory (May 11-Jun 1, 2021)
- Federal Emergency Management Agency (FEMA) courses (Introduction to Incident Command System and National Incident Management System: An Introduction) (Sep 2018)
- 5th National Workshop on Scientific Writing – Postgraduate Institute of Science, University of Peradeniya, Sri Lanka (Dec 4-5, 2014)
- Laboratory animal management for research purpose – Sri Lanka Veterinary Association, Medical Research institute, and Sri Lanka association for Laboratory Animal science, Colombo, Sri Lanka (Oct 6-7, 2014)
- Rapid Response Awareness: The Risk of Avian Influenza in Sri Lanka – Postgraduate Institute of Science, University of Peradeniya, Sri Lanka (Jun 6, 2008)