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# Malinda Hulugalla



**Address:** Department of Animal Science, Faculty of Agriculture, University of Peradeniya, Sri Lanka

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[hulugalla@pdn.ac.lk](mailto:hulugalla@pdn.ac.lk)

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## 1. Personal Information

**Full Name:** Wanninayaka Mudiyansele Malinda Prashad Hulugalla

**Date and Place of Birth:** 10<sup>th</sup> of August 1991

**Nationality/Citizenship:** Sri Lankan

**Gender:** Male

**Civil Status:** Unmarried

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## 2. Work Experience

### Current Positions:

- ✓ Lecturer (Probationary) Department of Animal Science, Faculty of Agriculture, University of Peradeniya, Peradeniya, Sri Lanka from 10<sup>th</sup> October 2018 to Present.
- ✓ Graduate Research Assistant, Research Centre for Global Aeromedicine (GAMRC), Obihiro University of Agriculture and Veterinary Medicine, Japan from 27<sup>th</sup> April 2022 to present.

**Position Held:**

- ✓ Temporary Lecturer, Department of Animal Science, Faculty of Agriculture, University of Peradeniya, Peradeniya, Sri Lanka from 01<sup>st</sup> February 2017 to 28<sup>th</sup> February 2018.

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### 3. Educational Achievements

- ✓ 2021 – present Ph.D. in Animal and Food Hygiene, Obihiro University of Agriculture and Veterinary Medicine, Japan (Major: Reproductive Pathophysiology)
- ✓ 2013 - 2016 B.Sc. in Animal Science and Fisheries (FGPA: 3.59), Faculty of Agriculture, University of Peradeniya, Sri Lanka.
- ✓ 1997 - 2011 Maliyadeva College, Kurunegala, Sri Lanka.

**Scholarship:**

- ✓ Obihiro University Scholarship to follow Doctoral Degree in Obihiro University of Agriculture and Veterinary Medicine, Japan.

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### 4. Research and professional work

**ResearchGate Profile:**

<https://www.researchgate.net/profile/Malinda-Hulugalla>

**Google Scholar Profile:**

<https://scholar.google.com/citations?user=eqKqcP8AAAAJ&hl=en>

**ORCID:**

<https://orcid.org/my-orcid?orcid=0000-0003-2155-5972>

**Research Interests:**

- ✓ Animal Environmental Physiology
- ✓ Animal Reproductive Physiology
- ✓ Immunology

**Journal Publication**

- 1) Silva, G.L.L.P., Punyawardena, B.V.R., Hettiarachchi, A.K., Hulugalla, W.M.M.P. and Lokuge, G.M.S. (2021). Assessing thermal neutral zones in Sri Lanka for ten different dairy cattle breeds and crosses: An approach using temperature humidity

index (THI). *International Journal of Livestock Production*. 12(12):112-121.

### **Abstracts in Proceedings**

- 1) Godage, G.G.C.P., Ekanayake, W.E.M.L.J. and Hulugalla, W.M.M.P. (2021), Characterization of the Nutritional and Botanical Composition of Naturally Grown Pastures in Mahakanamulla Cascade System in North Central Province, Sri Lanka. Proceedings of the 7<sup>th</sup> Faculty of Agriculture Undergraduate Research Symposium held in Faculty of Agriculture, University of Peradeniya, Peradeniya Sri Lanka, 13<sup>th</sup> August 2021 pp:8.
- 2) Jayasinghe, K.S.K., Vidanarachchi, J.K., Hulugalla, W.M.M.P. and Ekanayake, W.E.M.L.J. (2021), Nutritional Composition of Hydroponically Grown Green Maize (*Zea mays*) Fodder as a Pure Stand and Mixture with Sun hemp (*Crotalaria juncea*). Proceedings of the 7<sup>th</sup> Faculty of Agriculture Undergraduate Research Symposium held in Faculty of Agriculture, University of Peradeniya, Peradeniya Sri Lanka, 13<sup>th</sup> August 2021 pp:47.
- 3) Wijemanna, B.U.R., Vidanarachchi, J.K., Ekanayake, W.E.M.L.J., Hulugalla, W.M.M.P., Mangalika, U.L.P., Lokuge, G.M.S., Priyashantha, H., Fernando, G.K.V. and Jayarathna, W.N. (2021), Provision of Yeast Extract-based Supplementation to Crossbred Jersey-Friesian Dairy Cows in an Intensive Dairy Farming System in Sri Lanka did not Influence the Milk Yield or Composition. Proceedings of the 7<sup>th</sup> Faculty of Agriculture Undergraduate Research Symposium held in Faculty of Agriculture, University of Peradeniya, Peradeniya Sri Lanka, 13<sup>th</sup> August 2021 pp: 53.
- 4) Isuru, V.P.T., Ekanayake, W.E.M.L.J. and Hulugalla, W.M.M.P. (2021), Effect of Non-destructive Repellent Method on Sri Lankan Monkey (*Macaca leonina*). Proceedings of the 7<sup>th</sup> Faculty of Agriculture Undergraduate Research Symposium held in Faculty of Agriculture, University of Peradeniya, Peradeniya Sri Lanka, 13<sup>th</sup> August 2021 pp:87.
- 5) Prabath, W.M.H.J., Samarakone T.S., Hulugalla W.M.M.P., Abeyrathna, R.M.R.D., Silva, F.H.C.A. and Ekanayake, E.M.A.C. (2021), Infrared Thermography as a Method to Evaluate the Heat Stress in Weaned Pigs: Relationship between Infrared Measured Body Surface Temperature and rectal Temperature in Weaned Pigs. Proceedings of the 7<sup>th</sup> Faculty of Agriculture Undergraduate Research Symposium held in Faculty of Agriculture, University of Peradeniya, Peradeniya Sri Lanka, 13<sup>th</sup> August 2021 pp:99.
- 6) Chathurika, H.M.M., Vidanarachchi, J.K., Dulanjaya, K.W.G.A.C., Hulugalla, W.M.M.P., and Vijesuriya, I.G.I. (2018) Quality Analysis of Milk Samples Collected from Dairy Farmers in Puttalam District, Sri Lanka. Proceedings of the 6<sup>th</sup> Faculty of Agriculture Undergraduate Research Symposium 2018 held in Faculty of Agriculture, University of Peradeniya, Peradeniya Sri Lanka.
- 7) Liyanage, K.L.D.B.P., Samarasinghe, K., Vidanarachchi, J.K., Hulugalla, W.M.M.P., and

Korale Gedara, P.M. (2018) Consumer Perception of Organic Animal-based Foods in Colombo District, Sri Lanka. Proceedings of the Faculty of Agriculture Undergraduate Research Symposium 2018 held in Faculty of Agriculture, University of Peradeniya, Peradeniya Sri Lanka.

- 8) Gunawardana, H.P.G.P.S., Vidanarachchi, J.K., Silva, G.L.L.P., Hulugalla, W.M.M.P., and Jayawardana, A.S. (2018). Estimating Carbon Footprint for Milk Produced up to Farm Gate at Cattle Farms in Kurunegala District, Sri Lanka. Proceedings of the Faculty of Agriculture Undergraduate Research Symposium 2018 held in Faculty of Agriculture, University of Peradeniya, Peradeniya Sri Lanka.
- 9) Prathibha, T.H.N., Vidananarachchi, J.K., Hulugalla, W.M.M.P., Ranadheera, C.S. and Wijethilaka, W.G.R. (2018). Compositional Changes Occurred due to Mastitis in Raw Milk: A Case Study Conducted at a Large- Scale Dairy Farm in Low Country, Dry Zone in Sri Lanka. Proceedings of the Faculty of Agriculture Undergraduate Research Symposium 2017 held in Faculty of Agriculture, University of Peradeniya, Peradeniya Sri Lanka.
- 10) Hulugalla, W.M.M.P., Vidanarachci, J.K., Lundh, A.S., Johanson, M., Ranadheera C.S., and Mangalika, U.L.P. (2016) Investigation of Microbial Quality, Somatic Cell Count and Lipolytic Activity of Raw Milk Collected from Galaha and Thaluthuoya Veterinary Ranges. Proceedings of the Faculty of Agriculture Undergraduate Research Symposium 2016 held in Faculty of Agriculture, University of Peradeniya, Peradeniya Sri Lanka, 16<sup>th</sup> December 2016.

#### **Grant and Contract:**

University of Peradeniya, Sri Lanka Competitive Research Grant – 2022. “Use of *Azolla (Azolla pinnata)* in Silage Production”. URG/2022/09/Ag. SL Rs. 459,700 (Co-investigator). 2022- 2023. *Progressing*.

#### **Supervision of Research Students:**

##### **Undergraduate Students**

- ✓ H.M.M. Chaturika “Quality Analysis of Milk Samples Collected from Dairy Farmers in Puttalam District, Sri Lanka” (co-supervisor graduated in 2019).
- ✓ H.P.G.P.S. Gunawardana “Estimating Carbon Footprint for Milk Produced up to Farm Gate at Cattle Farms in Kurunegala District, Sri Lanka” (co-supervisor graduated in 2019).
- ✓ K.L.D.B.P. Liyanage “Consumer Perception of Organic Animal-based Foods in Colombo District, Sri Lanka” (co-supervisor graduated in 2019).

- ✓ W.M.H.J. Prabath “Infrared Thermography as a Method to Evaluate the Heat Stress in Weaned Pigs: Relationship between Infrared Measured Body Surface Temperature and rectal Temperature in Weaned Pigs” (co-supervisor graduated in 2021).
- ✓ V.P.T. Isuru “Effect of Non-destructive Repellent Method on Sri Lankan Monkey (Toque macaque)” (co-supervisor graduated in 2021).
- ✓ B.U.R. Wijemanna “Provision of Yeast Extract-based Supplementation to Crossbred Jersey-Friesian Dairy Cows in an Intensive Dairy Farming System in Sri Lanka did not Influence the Milk Yield or Composition” (co-supervisor graduated in 2021).
- ✓ G.G.C.P. Godage “Characterization of the Nutritional and Botanical Composition of Naturally Grown Pastures in Mahakanamulla Cascade System in North Central Province, Sri Lanka” (co-supervisor graduated in 2021).

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## 5. Teaching

Training on Teaching Methodologies. Staff Development Centre, University of Peradeniya.

### **Teaching Experience:**

#### **As an instructor**

#### **Undergraduate:**

#### Faculty of Agriculture

1. AS 2101 Anatomy, Physiology and Health Management of Farm Animals
  2. AS 2202 Poultry and Swine Production
  3. AS 3203 Applied Animal Physiology
  4. ASF 1102 Anatomy and Physiology of Farm Animals
  5. ASF 2102 Animal Environmental Physiology
  6. ASF 3106 Livestock and Fish Legislation
  7. ASF 4102 Animal Quarantine and Bio-security
- ✓ Resource Person for the Training Programmes conducted to Agriculture Diploma Students of Aquinas College of Higher Studies Colombo and GCE A/L Students of various Schools in Sri Lanka.
  - ✓ Facilitator – Leadership, Team Work and Citizenship Development Programme Organized by Faculty of Agriculture University of Peradeniya – 2017.

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## 6. Department, Faculty and University Contributions

- ✓ An elected member of the Faculty Board of Agriculture 2019 – 2021.
- ✓ A member of the Faculty Quality Assurance Cell (FQAC)/Internal Quality Assurance Cell (IQAC)-FoA 2019 – 2021.
- ✓ A member of the e-Learning and Computer Unit Management Committee of the Faculty of Agriculture, University of Peradeniya (2019-2021).
- ✓ A member of Language Teaching committee of the Faculty of Agriculture, University of Peradeniya (2019-2021).
- ✓ Secretary of the Farm Progress Committee of Mawelawatta Livestock Field Station 2021.
- ✓ Secretary Assistant ASF Curriculum Revision Committee 2021.
- ✓ Academic Sub warden Jayathilake Hall, University of Peradeniya (2021).
- ✓ A member of the organizing committee of Peradeniya University International Research Sessions (iPURSE) 2019.
- ✓ A member of the organizing committee of The PGIA Annual Congress 2018, 2019 and 2020
- ✓ A member of the organizing committee of Faculty of Agriculture Undergraduate Research Symposium (FAuRS) 2018, 2019 and 2020.
- ✓ Member of the organizing committee of the Felicitation Ceremony 2019 of Faculty Agriculture.
- ✓ Member of Editorial Panel of “Hanthana Blossoms “published by the Faculty of Agriculture 2020 and 2021.

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## 6. Memberships

- ✓ Affiliate Member of Sri Lanka Institute of Agriculture.
- ✓ Life member of Alumni Association of Faculty of Agriculture University of Peradeniya.
  - Secretary 2021
- ✓ Life member of Sri Lanka Association of Animal Production.
  - Ex-co member 2017 - 2021

## 7. Extra Curricular Activities

- ✓ President Postgraduate Agriculture Students' Association (2018 – 2020).
- ✓ Junior Treasurer of Animal Science Society, Faculty of Agriculture, University of Peradeniya (2015-2016).
- ✓ Editor of the Agriculture Faculty English Literary Association (2015 – 2016).

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## 8. References

- ✓ Akio Miyamoto, PhD  
Professor, Head Director  
Global AgroMedicine Research Center (GAMRC)  
Reproduction Science Group  
Life and Food Sciences Department  
Obihiro University of Agriculture & Veterinary Medicine  
Obihiro 080-8555, Japan  
Tel: +81-155-49-5416; Fax: +81-155-49-5459  
Email: [akiomiya@obihiro.ac.jp](mailto:akiomiya@obihiro.ac.jp)
  
- ✓ Missaka Wijayagunaeardane, PhD  
Senior Professor of Animal Science (Chair)  
Department of Animal Science  
Faculty of Agriculture  
University of Peradeniya  
Tel: +94-77-776-4317  
Email: [missaka@agri.pdn.ac.lk](mailto:missaka@agri.pdn.ac.lk)
  
- ✓ Janak Vidanarachchi, PhD  
Professor  
Department of Animal Science  
Faculty of Agriculture  
University of Peradeniya  
Tel: +94-71-443-0552  
Email: [janakvid@agri.pdn.ac.lk](mailto:janakvid@agri.pdn.ac.lk)

I hereby certify that the above information is true and accurate to the best of my knowledge.

A handwritten signature in blue ink, appearing to read 'Malinda', with a horizontal line underneath.

Malinda Hulugalla

04<sup>th</sup> December 2022