

**Dr. Kalpani Ratnayake** Ph.D., B.Sc. Human Biology  
(Special)

HOD /Senior Lecturer Grade II in  
Biochemistry

Department of Cosmetic Science

Faculty of Health Sciences,

CINEC Campus, Malabe

Sri Lanka.

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### **Professional qualifications**

#### **Head/ Department of Cosmetic Science**

Since 1<sup>st</sup> July 2023

Faculty of Health Sciences, CINEC Campus, Malabe, Sri Lanka

#### **Deputy Head/ Department of Cosmetic Science**

From 1<sup>st</sup> January 2022 to 30<sup>th</sup> June 2023

Faculty of Health Sciences, CINEC Campus, Malabe, Sri Lanka

#### **Chief Academic Officer**

From August 2021 to 31<sup>st</sup> December 2021

Department of Cosmetic Science, Faculty of Health Sciences, CINEC Campus, Malabe, Sri Lanka

#### **Chief Academic Officer**

From April 2020 to August 2021

Department of Pharmaceutical and Cosmetic Sciences, Faculty of Health Sciences, CINEC Campus, Malabe, Sri Lanka

#### **Senior Lecturer Grade II in Biochemistry**

Since 2<sup>nd</sup> March 2020

Faculty of Health Sciences, CINEC Campus, Malabe, Sri Lanka

#### **Visiting Lecturer**

Since June 2019

The Open University Sri Lanka

#### **Resource Person in Postgraduate Diploma in Laboratory Animal Science**

Since February 2023

Faculty of Medicine, University of Colombo

#### **Visiting Lecturer in Bachelor of Science in Biomedical Science (Hons) Degree**

From 6<sup>th</sup> January 2019 to March 2020

Management and Science Institute, Colombo (Management and Science University, Malaysia)

#### **Visiting Lecturer in Bachelor of Science in Biomedical Science (Hons) Degree**

From March 2019 to March 2020

Kaatsu International University, Koswatta, Battaramulla

**Demonstrator**

From 15<sup>th</sup> August 2018 to 1<sup>st</sup> March 2020  
Department of Anatomy, Faculty of Medical Sciences, University of Sri Jayewardenepura, Gangodawila, Nugegoda, Sri Lanka

**Visiting Lecturer in nurses training courses (in anatomy, physiology, pharmacology & biochemistry)**

Since 2012

Pannipitiya Private Hospital, Malabe Road, Pannipitiya, Sri Lanka.

**Research Assistant (Ph. D. Candidate)**

From 1<sup>st</sup> July 2013 to 10<sup>th</sup> August 2018

Department of Biochemistry, Faculty of Medical Sciences, University of Sri Jayewardenepura, Gangodawila, Nugegoda, Sri Lanka

**Research Assistant**

From 11<sup>th</sup> June 2012 to 11<sup>th</sup> March 2013

Biokinetic Research Laboratory (Pvt) Ltd, No.475, Thimbirigasyaya Road, Colombo 05.

**Educational qualifications**

- **Doctor of Philosophy (Biochemistry)**  
University of Sri Jayewardenepura, Gangodawila, Nugegoda  
Year 2018  
Research Title : “Anti-inflammatory activities of *Psychotria sarmentosa* and *Acronychia pedunculata*”
- **M. Sc. in Food and Nutrition (Reading)**  
Postgraduate Institute of Agriculture (PGIA), University of Peradeniya  
Year : Since March 2020
- **Postgraduate Diploma in Laboratory Animal Sciences**  
University of Colombo
- **Bachelor of Science Human Biology (Special)**  
Faculty of Medical Sciences, University of Sri Jayewardenepura, Gangodawila, Nugegoda  
Year 2008 - 2012
- **Diploma in Ayurvedic Beauty Product and Drug Manufacturing**, International Institute of Ceylon Ayurveda  
A<sup>+</sup> Grade
- **Certificate of Efficacy as Pharmacist**  
Ceylon Medical Collage Council
- **Certificate of Registration as Pharmacist**  
(2012) Sri Lanka Medical Council
- **Guide Course for Pharmacists (External) Examination (2008/2010)**  
Ministry of Healthcare and Nutrition, & National Apprentice and Industrial Training Authority, Sri Lanka.
- **Certificate Course on Research Methodology and Scientific writing**, Faculty of Graduate Studies University of Sri Jayewardenepura.

- **Short Course on Quantitative / Qualitative Data Analysis & Design of Experiments**, Faculty of Graduate Studies in collaboration with Department of Statistics, Faculty of Applied Sciences, University of Sri Jayewardenepura
- **Certificate Course on Applied Physiology of Pain, Analgesia, Anaesthesia & Euthanasia** for Laboratory Animals conducted by the Sri Lanka Association for Laboratory Animal Science (SLALAS) in collaboration with the Comparative Biology Centre, Newcastle University, UK
- **Certificate Course in Academic Writing**, Stanford International Campus of Business and Technology
- **Certificate Course in SPSS Analyzing**, Stanford International Campus of Business and Technology
- **Certificate Course in Reference Management Tools & Questionnaire Formulation**, Stanford International Campus of Business and Technology
- **Certificate in Ayurvedic Beauty Product Manufacturing**, International Institute of Ceylon Ayurveda A<sup>+</sup> Grade
- Course on “**Emerging Trends and Alternatives in Pharmacological Research**”, UGC Networking Resource Centre, University Institute of Pharmaceutical Sciences (UIPS), Panjab University, Chandigarh

#### Administrative Experience

- Attending on administrative works as a **Head of the Department**, Department of Cosmetic Science, Faculty of Health Sciences, CINEC Campus from January 2022
- Attended on administrative works as a **Deputy HOD/ Chief Academic Officer**, Department of Pharmaceutical and Cosmetic Sciences, Faculty of Health Sciences, CINEC Campus from April 2020
- Conducting duties as a module Coordinator for Anatomy and Physiology, Dermatology, Pathology and Medical Terminology
- Member of an Editor Board of CINEC Academic Journal
- Faculty representative for career guidance unit of CINEC Campus
- Faculty representative of CINEC Students’ Research Symposium 2022
- Faculty representative of CINEC Induction programme 2021 and 2022
- Attending to student matters, mentoring and welfare activities
- Contributing for new curriculum development, revisions and foreign collaborations

#### Responsibilities and Duties as a Senior Lecturer

- Administrative work as the Senior Lecturer and Deputy HOD of the Department of Cosmetic Science, Faculty of Health Sciences CINEC Campus
- Conducting lectures, tutorials and laboratory classes/ assignments for undergraduate students of B.Sc. (Hons) Biomedical Sciences, B.Sc. (Hons) Industrial Pharmaceutical Sciences, B.Sc. (Hons) Cosmetic Science degree programmes in CINEC.
- Conducting lectures, tutorials and laboratory classes/ assignments for the students of Higher Diploma in Biomedical Sciences and Higher Diploma in Pharmaceutical and Cosmetic Sciences
- Conducting lectures, tutorials and laboratory classes/ assignments for the students of Diploma in Pharmaceutical and Cosmetic Sciences

- Conducting lectures, tutorials and laboratory classes/ assignments for students of Advanced Certificate Course in Pharmacy Practice and Advanced Certificate Course in Cosmetic Sciences, Advanced Certificate in Health Sciences programmes in CINEC.
- Participating for faculty boards, department meetings scrutiny boards and examination result boards
- Supervising undergraduate students' research activities

### **Teaching Experience and curriculum development**

- Conducting lectures, tutorials and laboratory classes/ assignments in modules of medical terminology, anatomy and physiology, clinical biochemistry, pathology, academic writing, dermatology for undergraduate students of B.Sc. (Hons) Biomedical Sciences, B.Sc. (Hons) Industrial Pharmaceutical Sciences, B.Sc. (Hons) Cosmetic Science degree programmes in CINEC.
- Conducting lectures, tutorials and laboratory classes/ assignments in modules of medical terminology and anatomy and physiology, dermatology, pathology for students of Higher Diploma in Biomedical Sciences and Higher Diploma in Pharmaceutical and Cosmetic Sciences in CINEC.
- Conducting lectures, tutorials and assignments in basic science module (Anatomy & Physiology) for students of Advanced Certificate Course in Pharmacy Practice programme in CINEC.
- Conducting lectures, tutorials and assignments in skin biology (Skin anatomy, Skin physiology and pathology), dermatology and haircare, skincare modules for students of Advanced Certificate Course in Cosmetic Science programme in CINEC.
- Conducted human body dissections and histology practical for the undergraduate students of MBBS degree at Faculty of Medical Sciences, University of Sri Jayewardenepura.
- Conducted lectures and practical (on gross anatomy and histology) for the undergraduate students of B. Sc. in Nursing, Bachelor of Pharmacy and B. Sc. in Medical Laboratory Science at Faculty of Allied Health Sciences, University of Sri Jayewardenepura.
- Conducted lectures and practical classes on anatomy for students of B. Sc. Sport Science at Faculty of Applied Sciences, University of Sri Jayewardenepura.
- Conducted lectures and practical for modules of Pharmacology III (FMU5501) and Advanced Techniques in Medical Laboratory Sciences (MDU5209) Faculty of Health Sciences, The Open University of Sri Lanka.
- Conducted lectures in anatomy, physiology and pharmacology for the nurses at Pannipitiya Private Hospital.

### **Research Interest**

Research on natural product chemistry Research on anti-inflammatory action

### **Grants**

National Science Foundation (NSF) International Travel Grant (RGB/GEN/06/2017/02/07)

## Research publications

### Book Chapters

Chandrika, U. G., **Ratnayake, W. M. K. M.** (2022). *Acronychia pedunculata* leaves and usage in pain, Treatments, Mechanisms and Adverse Reactions of Anesthetic and Analgesics, Academic Press: 321-327.  
<https://doi.org/10.1016/B978-0-12-820237-1.00029-6>

### Full Papers

1. Wickramage, C.S., Pathiraja, P.A.R.M., Silva, N.M.G., Thilakaratne, W.K.A.W., Thathsarani, N.B.K., Kumarai, K.D.K.P., **Ratnayake, W.M.K.M.** (2024). Comparison of *in-vitro* antioxidant activity of two varieties of *Clitoria ternatea* flowers in Sri Lanka, Journal of Health Sciences and Innovative Research, 5(2): 28-34, DOI: <https://doi.org/10.31357/jhsir.v5i02.7851>
2. Jayathilake, H. P. U. V., Nikathenna, H. M. L., Dharmapriya, H. A. T., Wanniarachchi, P. K., Handugala, H. M. D., Amarasinghe, S. S., Wanasinghe, W. A. D. M., **Ratnayake, W. M. K. M.** (2023). Evaluation of Knowledge, Attitudes and Practices on Facial Skincare Routines and Cosmetic Products in Undergraduates of Universities and Higher Educational Institutes in Western Province, Sri Lanka, CINEC Academic Journal, 6(2): 54-63 DOI: <https://doi.org/10.4038/caj.v6i2.126>
3. Dissanayake, D. M. W. L., Bandara, J. M. V. R. J, Tennakoon, T. M. S. A., Kavindhya, I. S., Sandeepa, K. S., **Ratnayake, W. M. K. M.** (2023). Antioxidant Capacity Variation Across Different Parts of *Allamanda cathartica* (Golden Trumpet) Plant, CINEC Academic Journal, 6(2):8-14 DOI: <https://doi.org/10.4038/caj.v6i2.120>
4. Dharmapriya, H. A. T., Nikathenna, H. M. L.S., Jayasiri, T. P. K., Mendis, D. H. A., **Ratnayake, W. M. K. M.** (2023). Preliminary Study on Evaluation of Knowledge, Attitudes and Practices (KAP) of Pharmacy Workers on Generic Vs. Branded Medicine in Colombo District, Sri Lanka, CINEC Academic Journal, 6(2):87-93 DOI: <https://doi.org/10.4038/caj.v6i2.130>
5. **Ratnayake W.M.K.M.**, Karunarathna, K.A.A.U. (2023). Narrative Review on Nutritional Composition, Antioxidant Activity and Health Benefits of Sri Lankan Traditional Rice Varieties, Journal of Health Sciences and Innovative Research, 4(2):1-10 DOI: <https://doi.org/10.31357/jhsir.v4i2.6811>
6. Nikathenna, H. M. L.S., Dharmapriya, H. A. T., **Ratnayake, W. M. K. M.**, Jayasiri, T. P. K., Mendis, D. H. A., (2023). Preliminary Study on Knowledge, Attitudes and Practices on Selling Over-the-Counter Oral Medicines by Pharmacy Workers in Colombo District, CINEC Academic Journal, 6(1): 30-35. <https://doi.org/10.4038/caj.v6i1.116>
7. Edirisinghe, E.A.S.T., De Silva, H.D.K., Devmini, K.A.M.T., Pathmaperuma, S.D.S., **Ratnayake, W.M.K.M.**, Jayepeasad, Y.D.M., Nakandala, N.D.B.U., Shiraf, M.A.A., Indunil, L.A., Niluka, D.H.M., Madushika, P.K.K., Deegodagamage, Y.S., Wijesundara, W.M.C.S., Dissanayake, P.H., Yasawardene, S.G. (2022). Integration of Traditional and Innovative Methods in Anatomy Dissections: A Sri Lankan Experience, South-East Asian Journal of Medical Education, 16(2), 46-53  
**DOI: <https://doi.org/10.4038/seajme.v16i2.395>**
8. Amarasekera, D. S., Rathnadiwakara, H, **Ratnayake, W. M. K. M.**, Gunatilake, M. Singh, V. P., Poosala, S. (2022), Capability maturity model as a measure of culture of care in Laboratory Animal Science, Alternatives to Laboratory Animals, 1-10.  
DOI: 10.1177/02611929221131313
9. **Ratnayake, W. M. K. M.**, Suresh, T. S., Abeysekara, A. M., Salim, N., Chandrika, U. G. (2019) Acute anti-inflammatory and anti-nociceptive activities of crude extracts, alkaloid fraction and evolitrine from *Acronychia pedunculata* leaves, *Journal of Ethnopharmacology*, 238 :11182 <https://doi.org/10.1016/j.jep.2019.111827>

## Extended Abstracts

1. **Ratnayake, W. M. K. M.**, Suresh, T. S., Abeysekara, A. M., Salim, N., Chandrika, U. G., (2020), Acute and sub-acute toxicity study of *Acronychia pedunculata* leaves, 9<sup>th</sup> Young Scientists Forum (YSF) Symposium, Page: 6- 10.
2. **Ratnayake, W. M. K. M.**, Suresh, T. S., Abeysekara, A. M., Salim, N., Chandrika, U. G., (2019), Acute, sub-acute and sub-chronic toxicity study of *Psychotria sarmentosa* leaves used in traditional porridge in Sri Lanka, 8<sup>th</sup> Young Scientists Forum (YSF) Symposium, Page: 42 – 46
3. **Ratnayake, W. M. K. M.**, Suresh, T. S., Abeysekara, A. M., Salim, N., Chandrika, U. G., (2018), Prophylactic and therapeutic chronic anti-inflammatory effect of *Acronychia pedunculata* leaves on adjuvant induced arthritis rat model, 7<sup>th</sup> Young Scientists Forum (YSF) Symposium, Page: 114-117
4. **Ratnayake, W. M. K. M.**, Chandrika, U. G., Abeysekara, A. M., Suresh, T. S., Salim, N. (2016) Anti-histamine activity of aqueous extract and macromolecular fraction of *Psychotria sarmentosa* leaves, 5<sup>th</sup> Young Scientists Forum (YSF) Symposium, Page: 89-91
5. **Ratnayake, W. M. K. M.**, Suresh, T. S., Abeysekara, A. M., Salim, N., Chandrika, U. G., (2017), Prophylactic and therapeutic chronic anti-inflammatory effect of *Psychotria sarmentosa* leaves on adjuvant induced arthritis rat model, 6<sup>th</sup> Young Scientists Forum (YSF) Symposium, Page: 116-119

## Abstracts

1. Gunawardhana P.S.D., Udeshika S.A.B., Bandaramenike A.H.M.H., Yatipahuwa E.G.D.S., Wickramage, C.S., Weerakoon W.A.S.S., Suresh T.S., Karunarathna K.A.A.U., **Ratnayake W.M.K.M.** (2025) Comparison of antioxidant potential of the ingredients selected to develop a novel polyherbal antioxidant syrup, 2<sup>nd</sup> Scientific Sessions & International Conference-2025, Society for Alternatives to Animal Testing in Sri Lanka (SAAT-SL): 46.
2. Perera P.R.H., Dassanayake D.M.S.S., Kumari B.C.K., Yasasvi G.M., Hettihewa M., **Ratnayake W.M.K.M.** (2025). Comparison of alpha-amylase inhibition of boiled and non-boiled aqueous extracts of selected vegetables of *Brassica oleracea L* species in Sri Lankan market, 2<sup>nd</sup> Scientific Sessions & International Conference-2025, Society for Alternatives to Animal Testing in Sri Lanka (SAAT-SL): 44.
3. Rathnasooriya P.S.A., Kaushalya W.G.N., Rupasingha H.M.D.S.N., Hemalika D.V.D., Weerakoon W.A.S.S., **Ratnayake W.M.K.M.**, Suresh T.S., Karunarathna K.A.A.U. (2025). Preliminary study on concentration-dependent *in-vitro* hepatotoxicity of ethanol on porcine liver slices, 2<sup>nd</sup> Scientific Sessions & International Conference-2025, Society for Alternatives to Animal Testing in Sri Lanka (SAAT-SL): 41.
4. Ratnaooriya, P.S.A., Kaushalya, W.G.N., Rupasingha, H.M.D.S.N., Suresh, T.S., **Ratnayake, W.M.K.M.**, Hemalika, D.V.D, Weerakoon, W.S., Karunarathna, K.A.A.U. (2024). Evaluation of *in-vitro* hepatoprotective activity of *Cyanthillium cinerum* (*Vernonia cinerea*) against ethanol-induced hepatotoxicity, 4<sup>th</sup> Asian Congress for Alternatives to Animal Experiments (4ACAAE): 45.
5. Dassanayake, D.M.S.S., Kumari, B.C.K., Perera, P.R.H., Yasasvi, G.M., Hettihewa, L.M., **Ratnayake, W.M.K.M.** (2024). Comparison of antioxidant potential of boiled and non-boiled aqueous extracts of selected vegetables of *Brassica oleracea l* species in Sri Lankan market, 5<sup>th</sup> International Research Symposium Proceedings (CIRS-2024), CINEC Campus: 190

6. Wanasinghe, W.A.D.M.P., **Ratnayake, W.M.K.M.** (2024) Formulation and development of neck firming and hypopigmentation cream using *Withania somnifera* and *Psidium guajava*, 5<sup>th</sup> International Research Symposium Proceedings (CIRS-2024), CINEC Campus: 205
7. Wanniarachchi, P.K., **Ratnayake, W.M.K.M.** (2024) Formulation and development of herbal Sunscreen gel from *Leucas zeylanica* and *Tagetes erecta*, 5<sup>th</sup> International Research Symposium Proceedings (CIRS-2024), CINEC Campus: 206
8. Dharmapriya, H.A.T, Weerasekera, M.M., **Ratnayake, W.M.K.M.** (2024) Formulation and development of sulfate-free anti-fungal shampoo containing *Elaeocarpus serratus* leaf aqueous extract, 5<sup>th</sup> International Research Symposium Proceedings (CIRS-2024), CINEC Campus: 207
9. Nikathenna, H.M.L.S., Hettihewa, L.M., **Ratnayake, W.M.K.M.** (2024). Formulation and development of an anti-ageing body lotion containing aqueous extracts of *Camellia sinensis* leaves and *Glycyrrhiza glabra* roots, 5<sup>th</sup> International Research Symposium Proceedings (CIRS-2024), CINEC Campus: 208
10. Amarasinghe, S.S., Peiris, C, **Ratnayake, W.M.K.M.** (2024). Development and Formulation of anti-acne cream incorporating *Coriandrum sativum*, 5<sup>th</sup> International Research Symposium Proceedings (CIRS-2024), CINEC Campus: 209
11. Jayathilake H.P.U.V., Weerasekera M.M., **Ratnayake W.M.K.M.** (2024) Formulation Development of Novel Herbal Anti- Acne Face Gel Incorporating Aqueous extract of *Psidium guajava* L. Leaves, 5<sup>th</sup> International Research Symposium Proceedings (CIRS-2024), CINEC Campus: 212
12. Hasarangi S. D., Kavishka M. S., Sulakkana L. R., Perera C. D., Maduhansi G. H., **Ratnayake W. M. K. M.** (2024). Knowledge, Attitudes and Practices on Haircare Products among the Undergraduate Students in Universities and Higher Educational Institutes in Western Province, Sri Lanka, International Research Symposium, Faculty of Allied Health Sciences, University of Ruhuna, Sri Lanka (iRuFARS 2024): 91
13. Bandara J.M.V.R.J., Ranawaka R.A.M.D., Madushani M.A.C., Weerasinghe P.M.N., Wickramaratne M.D.P.N., **Ratnayake W.M.K.M.** (2024) Evaluation of the appropriateness of the label on haircare cosmetic products in Sri Lanka, International Research Symposium, Faculty of Allied Health Sciences, University of Ruhuna, Sri Lanka (iRuFARS 2024): 94
14. Nikathenna H. M. L., Hettihewa L. M., **Ratnayake W.M. K. M.** (2024). Phytochemical screening and determination of antioxidant potential of aqueous extract of *Camellia sinensis* leaves, International Research Symposium, Faculty of Allied Health Sciences, University of Ruhuna, Sri Lanka (iRuFARS 2024): 126
15. Dharmapriya, H. A. T., Weerasekera, M, M., **Ratnayake, W. M. K. M.** (2024). Evaluation of the Antifungal Effect of *Elaeocarpus serratus* and *Acacia concinna*, International Research Symposium, Faculty of Allied Health Sciences, University of Ruhuna, Sri Lanka (iRuFARS 2024): 97
16. Jayathilake, H. P. U. V., Weerasekera, M. M., **Ratnayake, W. M. K. M.** (2024). Phytochemical Composition of Aqueous and Ethanolic Extracts of *Ocimum tenuiflorum* (Holy Basil) Leaves, 2<sup>nd</sup> International Research Symposium on Traditional Medicine (AyurEx Colombo): Faculty of Graduate Studies, University of Kelaniya and The Department of Ayurveda, Ministry of Health, Sri Lanka: 116
17. Wanniarachchi P. K, **Ratnayake W. M. K. M.** (2024). Evaluation of Synergistic Antioxidant Activities and Sun Protection Factor of *Leucas zeylanica* and *Tagetes erecta*, 2<sup>nd</sup> International Research Symposium on Multidisciplinary Approaches in Indigenous Knowledge Systems, Gampaha Wickramarachchi University of Indigenous Medicine: 34



18. Wanasinghe, W.A.D.M.P., **Ratnayake, W. M. K. M.** (2024). Preliminary Investigation on Antioxidant Capacity and the Secondary Metabolites of Commercially Available *Withania Somnifera* Root Powder, Gampaha Wickramarachchi University of Indigenous Medicine: 38
19. Wanasinghe, W.A.D.M.P., **Ratnayake, W. M. K. M.**, (2024) Evaluation of Synergistic Antioxidant Activity of *Withania somnifera* and *Psidium guajava* extracts, Proceedings of 11<sup>th</sup> annual scientific Sessions & International Conference 2023/2024, Sri Lanka Association for Laboratory Animal Science: 51.
20. Fernando, K. H. E., Dedigama, H. D., Abesinghe, A. H. M. A. N., Nawaruwan, G. S. D., Siriwardene, E. J., Kumari, K. D. K. P., **Ratnayake, W. M. K. M.** (2024) *In-vitro* Trypsin Inhibition Activity of Three Selected Edible Mushrooms in Sri Lanka, Proceedings of 11<sup>th</sup> annual scientific Sessions & International Conference 2023/2024, Sri Lanka Association for Laboratory Animal Science: 62.
21. Wickramage, C. S., Pathiraja, P. A. R. M., Silva, N. M. G., Thilakarathne, W. K. A. W., Thathsarani, N. B. K. I., Jayaweera, G., **Ratnayake, W. M. K. M.** (2024) Knowledge, Attitudes and Practices on Commonly Used Veterinary Vaccine in General Public in Colombo District, 4<sup>th</sup> CINEC International Research Symposium 2023 (CIRS-2023), CINEC Campus: 254.
22. Hashini, W. A. P., Galabada, M. E., Jayathunga, W. J. D. D., Bandaramanike, A. H. M. H., Madhushani, M. A. C., Sankalpani, K. G. C., **Ratnayake, W. M. K. M.** (2024) Preliminary Study on Consumption of Vitamin Supplements by General Public in Colombo District, 4<sup>th</sup> CINEC International Research Symposium 2023 (CIRS-2023), CINEC Campus: 252.
23. Fernando, K. H. E., Nawaruwan, G. S. D., Dedigama, H. D., Siriwardene, E. J., Abeysinghe, A. H. M. A. N., K. D. K. P., **Ratnayake, W. M. K. M.** (2024) Antioxidant Activity of Selected Edible Mushrooms in Sri Lanka., 4<sup>th</sup> CINEC International Research Symposium 2023 (CIRS-2023), CINEC Campus: 251
24. Madushanka, K. A. E., Weligalla, W. V. P. M., Kumari, K. D. K. P., **Ratnayake, W. M. K. M.** (2024) Formulation and Development of Skincare Cream Containing *Pleurotus djamor*, 4<sup>th</sup> CINEC International Research Symposium 2023 (CIRS-2023), CINEC Campus: 247
25. Jayathilake, H. P. U. V., Nikathenna, H. M. L. S., Dharmapriya, H. A. T., Wanniarachchi, P. K., Handugala, H. M. D. P., Amarasingha, S. S., Wanasinghe, W. A. D. M. P., **Ratnayake, W. M. K. M.** (2024) Evaluation of Knowledge, Attitudes and Practices on Facial Skincare Routines in Undergraduates of Universities and Higher Educational Institutes in Western Province, Sri Lanka, 4<sup>th</sup> CINEC International Research Symposium 2023 (CIRS-2023), CINEC Campus: 246
26. Ranawaka, R. A. M. D., Bandara, J. M. V. R. J., Madushani, M. A. C., Weerasinghe, P. M. N., Wiskramarathne, M. D. P. N., **Ratnayake, W. M. K. M.** (2024) Evaluating the Labels on Skincare Cosmetic Products in Sri Lanka, 4<sup>th</sup> CINEC International Research Symposium 2023 (CIRS-2023), CINEC Campus: 245
27. Dharmapriya, H. A. T., Nikathenna, H. M. L. S., Jayasiri, T. P. K., Mendis, H. A. T., **Ratnayake, W. M. K. M.** (2023) Preliminary Study on Evaluation of Knowledge, Attitudes and Practices (KAP) of Pharmacy Workers on Generic vs Branded medicine in Colombo District, Sri Lanka, International Research Symposium (iRuFARS-2023), Faculty of Allied Health Sciences, University of Ruhuna: 100
28. Amarasekera, D. S., Rathnadiwakara, H., **Ratnayake, K.**, Karunarathna, U., Gunatilake, M. (2023) Assessment of Culture of Care (COC) in Sri Lankan Animal Facilities and the Role of Lab Animal Science (LAS) Education in Establishing a Good COC, 9<sup>th</sup> Asian Federation of Laboratory Animal Science Associations (AFLAS) Congress 2023:209
29. Madushanka, K. A. E., Weligalla, W. V. P. M., Kumari, K. D. K. P., **Ratnayake, W. M. K. M.** (2023) Antioxidant potential of *Pleurotus djamor*, 4<sup>th</sup> CBSL Conference, College of Biochemists of Sri Lanka (CBSL): 37



30. Fernando, K. H. E., Abeysinghe, A. H. M. A. N., Siriwardene, E. J., Nawaruwan, G. S. D., Dedigama, H. D., Kumari, K. D. K. P., **Ratnayake, W. M. K. M.** (2023)  $\alpha$ - Amylase Inhibition Activity of Selected Edible Mushrooms in Sri Lanka, 4<sup>th</sup> CBSL Conference, College of Biochemists of Sri Lanka (CBSL): 36
31. Yapa, Y. M. P. N., **Ratnayake, W. M. K. M.**, Amarasekara, A. D. D. S., Karunaratna, K. A. A. U., Senevirathne Menike, A. A. I., Pethiyagoda P. D. R. S., Wijesundera, K., Gunatilake, M (2023) Development of Teaching/Learning Materials to Facilitate Educational Programmes in Laboratory Animal Science and to Promote the 3Rs Principle in Sri Lanka, 10<sup>th</sup> Annual Scientific Session and International Conference 2022/2023, Sri Lanka Association for Laboratory Animal Science (SLALAS): 39
32. Hewawasam, H. W. D. L., Weerasuriya, W. H. N., Chandrasena U. S. D., **Ratnayake, W. M. K. M.**, Kumari, K. D. K. P., Chandasiri, N., Suresh, T. S. (2022) Preliminary study for evaluate anti-nociceptive effect of novel herbal ointment “Jivadah”, International Research Symposium (CIRS-2022), CINEC Campus:167
33. Nikathenna, H.M. L. S., Dharmapriya, H. A. T., Jayasiri, T. P. K., Mendis, H. A. T., **Ratnayake, W. M. K. M.** (2022) Preliminary study on knowledge, attitudes and practices on selling over the counter oral medicines by pharmacy workers in Colombo district, 3<sup>rd</sup> International Research Symposium (CIRS-2022), CINEC Campus:165
34. Dassanayake, D. M. W. L., Bandara J. M. V.R. J., Kavindhya I. S., Sandeepa K. D., Tennakoon T. M. S. A, Kumari, K. D. K. P., **Ratnayake, W. M. K. M.** (2022) Comparison of antioxidant activities of different parts of *Allamanda cathartica* in DPPH assay, 3<sup>rd</sup> International Research Symposium (CIRS-2022), CINEC Campus:163
35. Wickramage, C. S., Pathiraja, P. A. R. M., Silva, N. M. G., Thilakarathne, W. K. A. W., Thathsarani, N. B. K., Kumari, K. D. K. P., **Ratnayake, W. M. K. M.** (2022) Comparison of total phenolic and total flavonoids contents in two varieties of *Clitoria ternatea* fresh flowers, 3<sup>rd</sup> International Research Symposium (CIRS-2022), CINEC Campus: 161
36. Chandrasena U. S. D., Abeykoon, A. M. H. K., **Ratnayake, W. M. K. M.**, Kumari, K. D. K. P., Suresh, T. S. (2022) sub-acute toxicity study *Averrhoa carambola* (starfruit) juice in Wistar rats, International Research Symposium (CIRS-2022), CINEC Campus: 160
37. Weerasuriya, W. H. N., Hewawasam, H. W. D. L., Chandrasena, U. S. D., **Ratnayake, W. M. K. M.**, Kumari, K. D. K. P., Chandrasiri, N., Suresh, T. S. (2022) Sub-chronic anti-inflammatory activity of novel herbal ointment “Jivadah” on formaldehyde induced rat hind paw oedema model, International Research Conference in Health Sciences 2022, Faculty of Allied Health Sciences, University of Sri Jayewardenepura: 52.
38. Senevirathna, P. L. D. R. U., Abeysekara, N. R. M., Chandrasena, U. S. D., **Ratnayake, W. M. K. M.**, Kumari, K.D.K.P., Suresh, T.S. (2022), Determination of oxalate content in different parts of *Averrhoa carambola* (star fruits) available in Sri Lanka, International Conference on Food Research Development and Applications, Department of Food Science and Technology, University of Sri Jayewardenepura :62
39. Wickramage, C. S., Thilakarathne, W. K. A. W., Pathiraja, P. A. R. M., Thathsarani, N. B. K., Silva, N. M. G., Fernando, M. S. D., **Ratnayake, W. M. K. M.** (2022), *In-vitro* antioxidant activities of fresh flowers of *Clitoria ternatea*, 9<sup>th</sup> Annual Scientific Sessions and International Conference, Sri Lanka Association for Laboratory Animal Science (SLALAS) :39.
40. Weerasuriya, W. H. N., Hewawasam, H. W. D. L., Chandrasena, U. S. D., **Ratnayake, W. M. K. M.**, Kumari, K. D. K. P., Chandrasiri, N., Suresh, T. S. (2022) Preliminary study on chronic anti-inflammatory activity of novel herbal ointment “Jivadah” on adjuvant induced Wistar rats’ hind paw oedema, 9<sup>th</sup> Annual Scientific Sessions and International Conference, Sri Lanka Association for Laboratory Animal Science (SLALAS) :43
41. Abeysekara, N. R. M., Senevirathna, P. L. D. R. U., Chandrasena, U. S. D., **Ratnayake, W.M.K.M.**, Kumari, K.D.K.P., Suresh, T.S. (2021), Distribution of Oxalate in different tissues of star fruits, Proceedings of the Postgraduate Institute of Science Research Congress- 2021, University of Peradeniya :95

42. Chandrasena U. S. D., Abeykoon, A. M. H. K., **Ratnayake, W. M. K. M.**, Kumari, K. D. K. P, Suresh, T. S. (2021), *In-vivo* sub-chronic nephrotoxicity induced by hybrid type star fruit (*Averrhoa carambola*) juice, 77<sup>th</sup> Annual Sessions, Sri Lanka Association for the Advancement of Science :50.
43. Chandrasena U. S. D., Abeykoon, A. M. H. K., **Ratnayake, W. M. K. M.**, Kumari, K. D. K. P, Suresh, T. S. (2021), Assessment of acute toxicity of *Averrhoa carambola* (starfruit) juice in Wistar rats, 3<sup>rd</sup> Conference, College of Biochemists of Sri Lanka :53.
44. Edirisinghe, E. A. S. T., **Ratnayake, W. M. K. M.**, Dissanayake, M. P. H., Adhikarinayake, B., Dissanayake, P. H., Yasawardene, S. G., (2020), *In-vitro* preparation of dry bones from remnants of dissected cadavers- an effective low-cost method of recycling remnants of human cadavers, The 5<sup>th</sup> International Conference on Bioscience and Biotechnology 2020, Kuala Lumpur, Malaysia :35.
45. Edirisinghe E. A. S. T., **Ratnayake, W. M. K. M.**, Y. D. M., Nakandala, N. D. B. U., Shiraf, M. A. A., Indunil, L. A., Niluka, D. H. M., Madushika, P. K. K., Deegodagamage, Y. S., Wijesundara, W. M. C. S., Dissanayake, P. H., Yasawardene, S. G., (2019), The integration of Traditional and innovative methodologies in anatomy dissections, Colombo Conference on Medical Education :59-60.
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47. **Ratnayake, W. M. K. M.**, Suresh, T. S., Abeysekara, A. M., Salim, N., Chandrika, U. G., (2019), Identification of Active Anti-nociceptive and anti-inflammatory fraction from crude aqueous extract of *Psychotria sarmentosa* (Gonica) leaf, Second Research Symposium of the Faculty of Allied Health Sciences, University of Ruhuna :55.
48. Edirisinghe E. A. S. T., **Ratnayake, W. M. K. M.**, Dissanayake, P. H., Yasawardene, S. G., (2019), Room temperature resin casting: A low cost-effective tool in teaching cross sectional human anatomy, Colombo Conference on Medical Education :85.
49. **Ratnayake, W. M. K. M.**, Suresh, T. S., Abeysekara, A. M., Salim, N., Chandrika, U. G., (2019), Cyclo-oxygenase 2 inhibitory activity of *Psychotria sarmentosa* leaves used in traditional porridge in Sri Lanka, International Conference on Health Sciences, University of Sri Jayewardenepura :152.
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51. Edirisinghe, S., **Ratnayake, K.**, Jayepressad, M., Nakandala, B., Shiraf, A., Liyanage, I., Niluka, M., Madushika, K., Deegodagamage, S., Wijesundara, C., Dissanayake, H., Yasewardene, S., (2019), The integration of traditional and innovative methodologies in teaching gross anatomy, International Federation of Association of Anatomists (IFAA)-2019, London, P2-E36
52. Dissanayake, S., Edirisinghe, E. A. S. T., Jayaprasad, Y. D. M., Nakandala, N. D. B. U., Shiraf, M. A. A., **Ratnayake, W. M. K. M.**, Dissanayake, M. H. P., Tennakoon, V., Dissanayake, P. H., Yasawardene, S. G., (2019), Preliminary study on morphometry of the stylomastoid foramen in a Sri Lankan population, 14<sup>th</sup> Annual Academic Sessions, The College of Otorhinolaryngologists and Head and Neck Surgeons of Sri Lanka :10-11.

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54. **Ratnayake, W. M. K. M.**, Suresh, T. S., Abeysekara, A. M., Salim, N., Chandrika, U. G., (2018), *In-vitro* and *in-vivo* antioxidant activity of *Acronychia pedunculata* leaves, 5<sup>th</sup> Annual Session of Sri Lanka Association for Laboratory Animal Science (SLALAS) :35
55. **Ratnayake, W. M. K. M.**, Suresh, T. S., Abeysekara, A. M., Salim, N., Chandrika, U. G., (2018), Evaluation of inhibition of prostaglandin E<sub>2</sub> level by *Psychotria sarmentosa* leaves used in traditional porridge in Sri Lanka, 11<sup>th</sup> International Research Conference Basic and Applied Sciences, General Sir John Kotelawala Defence University :20.
56. **Ratnayake, W. M. K. M.**, Suresh, T. S., Abeysekara, A. M., Salim, N., Chandrika, U. G., (2018), Inhibitory effect of the leaf extract of *Acronychia pedunculata* on prostaglandin E<sub>2</sub> level of Wistar rats with chronic arthritis, 1<sup>st</sup> Bi-annual Conference, College of Biochemists of Sri Lanka :12.
57. **Ratnayake, W. M. K. M.**, Suresh, T. S., Abeysekara, A. M., Salim, N., Chandrika, U. G., (2018), Anti-nociceptive activity of evolitrine isolated from *Acronychia pedunculata* leaves, Asian Symposium on Medicinal Plants, Spices and other Natural Products XVI: 111
58. **Ratnayake, W. M. K. M.**, Suresh, T. S., Abeysekara, A. M., Salim, N., Chandrika, U. G., (2017), Anti-inflammatory activity of the alkaloid fraction of *Acronychia pedunculata* leaves, International Symposium on Traditional and Complementary Medicine (Tradmed International) :160-161.
59. **Ratnayake, W. M. K. M.**, Suresh, T. S., Abeysekara, A. M., Salim, N., Chandrika, U. G., (2017), Nitric oxide scavenging activity of *Acronychia pedunculata* leaves, 8<sup>th</sup> International Conference of LASA India :55.
60. **Ratnayake, W. M. K. M.**, Suresh, T. S., Abeysekara, A. M., Salim, N., Chandrika, U. G., (2017), Anti-inflammatory activity of *Psychotria sarmentosa* leaves, 64<sup>th</sup> Annual Meeting of Japanese Association for Laboratory Animal Science (JALAS) :S35.
61. **Ratnayake, W. M. K. M.**, Suresh, T. S., Abeysekara, A. M., Salim, N., Chandrika, U. G., (2017), Nitric oxide scavenging activity of aqueous extract of *Psychotria sarmentosa* leaves, 4<sup>th</sup> Annual Seession of Sri Lanka Association for Laboratory Animal Science (SLALAS) :35.
62. **Ratnayake, W. M. K. M.**, Suresh, T. S., Abeysekara, A. M., Salim, N., Chandrika, U. G., (2016), Sub chronic anti-inflammatory activity of *Acronychia pedunculata* leaves on formaldehyde induced rat hind paw oedema model, 4<sup>th</sup> International Conference on Ayurveda, Unani, Siddha and Traditional Medicine (ICAUST), Institute of Indigenous Medicine, University of Colombo :86.
63. **Ratnayake, W. M. K. M.**, Suresh, T. S., Abeysekara, A. M., Salim, N., Chandrika, U. G., (2016) Anti-nociceptive activity of *Acronychia pedunculata* leaves, International Conference on Multidisciplinary Approaches (iCMA), Faculty of Graduate studies, University of Sri Jayewardenepura :26.
64. **Ratnayake, W. M. K. M.**, Chandrika, U. G., Suresh, T. S., Abeysekara, A. M., Salim, N. (2016) Anti-inflammatory activity of *Acronychia pedunculata* leaves, Annual International Research Sessions of the University of Peradeniya (iPURSE ) :342.

65. **Ratnayake, W. M. K. M.**, Chandrika, U. G., Suresh, T. S., Abeysekara, A. M., Salim, N. (2016) Anti-nociceptive activity of aqueous extract of *Psychotria sarmentosa* leaves, 25<sup>th</sup> Anniversary Scientific International Conference, Faculty of Medicine, University of Kelaniya :114.
66. **Ratnayake, W. M. K. M.**, Chandrika, U. G., Suresh, T. S., Abeysekara, A. M., Salim, N. (2016), Anti-histamine activity of *Acronychia pedunculata* leaves, 9<sup>th</sup> International Research Conference, General Sir John Kotelawala Defence University :233.
67. **Ratnayake, W. M. K. M.**, Chandrika, U. G., Suresh, T. S., Abeysekara, A. M., Salim, N. (2016) *In-vitro* and *in-vivo* antioxidant activity of aqueous extract of *Psychotria sarmentosa* leaves, Wayamba International Conference (WINC), Wayamba University of Sri Lanka, Kuliapitiya :178.
68. **Ratnayake, W. M. K. M.**, Chandrika, U. G., Suresh, T. S., Abeysekara, A. M., Salim, N. (2016) Anti-inflammatory activity of aqueous extract of *Psychotria sarmentosa* on acute and chronic inflammatory animal (Wistar rat) models, 3<sup>rd</sup> Annual Session of Sri Lanka Association for Laboratory Animal Science (SLALAS) :22.
69. **Ratnayake, W. M. K. M.**, Chandrika, U. G., Abeysekara, A. M., Suresh, T. S., Salim, N., Wijesundara, S. A., (2015) Evaluation of Anti-inflammatory activity of *Psychotria sarmentosa* leaves used in traditional porridge in Sri Lanka, 12<sup>th</sup> Asian Congress of Nutrition, Yokohama, Japan :353.
70. Alwis, D. D. H., **Ratnayake, W. M. K. M.**, Chandrika, U. G., Jayaweera, P. M., (2012), A kinetic study of photodegradation of lycopene in water/acetone solutions, 68<sup>th</sup> Annual Sessions, Sri Lanka Association for the Advancement of Science :69.

### Newsletters

**Ratnayake, K.**, (2024) How to uncover hidden sugars on food labels and making healthier choices, Newsletter, Nutrition Society of Sri Lanka, 1:27-29

**Ratnayake, K.**, (2024) Liver slice model as an alternative technique for screening of *in-vitro* hepatoprotective action, Newsletter, Society for Alternatives to Animal Testing in Sri Lanka (SAAT-SL), 5:3-7.

**Ratnayake, K.**, (2023) Organoids: Alternatives to the Animal Model, Newsletter, Society for Alternatives to Animal Testing in Sri Lanka (SAAT-SL), 3:2-3.

**Ratnayake, K.**, (2022) *Caenorhabditis elegans* as an alternative *in-vivo* model, Newsletter, Society for Alternatives to Animal Testing in Sri Lanka (SAAT-SL), 2: 5-8.

**Ratnayake, K.**, (2021) *In-vitro* anti-inflammatory and antioxidant activity assays, Newsletter, Society for Alternatives to Animal Testing in Sri Lanka (SAAT-SL), 1:9-10.

### Presentations

Acute and sub-acute study of *Acronychia pedunculata* leaves, 9<sup>th</sup> Young Scientists Forum (YSF) Symposium (2020)

Acute, sub-acute and sub-chronic toxicity study of *Psychotria sarmentosa* leaves used in traditional porridge in Sri Lanka, 8<sup>th</sup> Young Scientists Forum (YSF) Symposium (2019)

Prophylactic and therapeutic chronic anti-inflammatory effect of *Acronychia pedunculata* leaves on adjuvant induced arthritis rat model, 7<sup>th</sup> Young Scientists Forum (YSF) Symposium (2018)

Prophylactic and therapeutic chronic anti-inflammatory effect of *Psychotria sarmentosa* leaves on adjuvant induced arthritis rat model, 6<sup>th</sup> Young Scientists Forum (YSF) Symposium (2017)

Anti-histamine activity of aqueous extract and macromolecular fraction of *Psychotria sarmentosa* leaves, 5<sup>th</sup> Young Scientists Forum (YSF) Symposium (2016)

Identification of Active Anti-nociceptive and anti-inflammatory fraction from crude aqueous extract of *Psychotria sarmentosa* (Gonica) leave, Second Research Symposium of the Faculty of Allied Health Sciences, University of Ruhuna (2019)

Assessment of the analytical ability of medical students by group embedded figures test and subjected-based anatomy spot test, Colombo Conference on Medical Education (2019)

Cyclo-oxygenase 2 inhibitory activity of *Psychotria sarmentosa* leaves used in traditional porridge in Sri Lanka, International Conference on Health Sciences, University of Sri Jayewardenepura (2019)

Acute anti-inflammatory activity of evolitrine isolated from *Acronychia pedunculata* leaves in Wistar rats, 6<sup>th</sup> Annual Session of Sri Lanka Association for Laboratory Animal Science (SLALAS) (2019)

Anti-nociceptive activity of evolitrine isolated from *Acronychia pedunculata* leaves, Asian Symposium on Medicinal Plants, Spices and other Natural Products XVI (2018)

Inhibitory effect of the leaf extract of *Acronychia pedunculata* on prostaglandin E2 level of Wistar rats with chronic arthritis, 1<sup>st</sup> Bi-annual Conference, College of Biochemists of Sri Lanka (2018)

Evaluation of inhibition of prostaglandin E2 level by *Psychotria sarmentosa* leaves used in traditional porridge in Sri Lanka, 11<sup>th</sup> International Research Conference Basic and Applied Sciences, General Sir John Kotelawala Defence University (2018)

*In-vitro* and *in-vivo* antioxidant activity of *Acronychia pedunculata* leaves, 5<sup>th</sup> Annual Session of Sri Lanka Association for Laboratory Animal Science (SLALAS) (2018)

Anti-inflammatory activity of the alkaloid fraction of *Acronychia pedunculata* leaves, International Symposium on Traditional and Complementary Medicine (Tradmed International) (2017)

Nitric oxide scavenging activity of *Acronychia pedunculata* leaves, 8<sup>th</sup> International Conference of LASA India (2017)

Anti-inflammatory activity of *Psychotria sarmentosa* leaves, 64<sup>th</sup> Annual Meeting of Japanese Association for Laboratory Animal Science (JALAS) (2017)

Nitric oxide scavenging activity of aqueous extract of *Psychotria sarmentosa* leaves, 4<sup>th</sup> Annual Session of Sri Lanka Association for Laboratory Animal Science (SLALAS) (2017)

Sub chronic anti-inflammatory activity of *Acronychia pedunculata* leaves on formaldehyde induced rat hind paw oedema model, 4<sup>th</sup> International Conference on Ayurveda, Unani, Siddha and Traditional Medicine (ICAUST), Institute of Indigenous Medicine, University of Colombo (2016)

Anti-nociceptive activity of *Acronychia pedunculata* leaves, International Conference on Multidisciplinary Approaches (iCMA), Faculty of Graduate studies, University of Sri Jayewardenepura, (2016)

Anti-inflammatory activity of *Acronychia pedunculata* leaves, Annual International Research Sessions of the University of Peradeniya ( iPURSE ) (2016)

Anti-histamine activity of *Acronychia pedunculata* leaves, 9<sup>th</sup> International Research Conference, General Sir John Kotelawala Defence University (2016)

*In-vitro* and *in-vivo* antioxidant activity of aqueous extract of *Psychotria sarmentosa* leaves, Wayamba International Conference (WINC), Wayamba University of Sri Lanka, Kuliypitiya (2016)

Anti-nociceptive activity of aqueous extract of *Psychotria sarmentosa* leaves, 25<sup>th</sup> Anniversary Scientific International Conference, Faculty of Medicine, University of Kelaniya (2016)

Anti-inflammatory activity of aqueous extract of *Psychotria sarmentosa* on acute and chronic inflammatory animal (Wistar rat) models, 3<sup>rd</sup> Annual Session of Sri Lanka Association for Laboratory Animal Science (SLALAS) (2016)

Evaluation of Anti-inflammatory activity of *Psychotria sarmentosa* leaves used in traditional porridge in Sri Lanka, 12<sup>th</sup> Asian Congress of Nutrition, Yokohama, Japan (2015)

## Awards

**“She Inspires Award”** presented by European Society of Toxicology *In-Vitro* (ESTIV) in 2024

**“Achievers Awards for Glorious Sirimavian 2023”**

**“Postgraduate Research Award 2019”** Sri Lanka Association for the Advancement of Science (SLAAS), Section E2

**“Award for the second place of best oral presentations”**, at 2<sup>nd</sup> Symposium of the Faculty of Allied Health Sciences, University of Ruhuna in 2019

**“Certificate of Merit”**, at 8<sup>th</sup> Young Scientists Forum (YSF) in 2019

**“Dr. Sharmini Jayasekera Award for the Best Oral Communication”**, at the 6<sup>th</sup> Annual Scientific Sessions, Sri Lanka Association for the Laboratory Animal Sciences (SLALAS) in 2019

Award for **“Best paper presented at the oral session”** at the 1<sup>st</sup> Bi-annual conference, College of Biochemists of Sri Lanka in 2018

**“Certificate of Merit”**, at 7<sup>th</sup> Young Scientists Forum (YSF) in 2018

**“International Award”** at the 64<sup>th</sup> Annual Meeting, Japanese Association for Laboratory Animal Sciences (JALAS) in 2017 in Fukushima, Japan

**“Certificate of Merit”**, at 6<sup>th</sup> Young Scientists Forum (YSF) in 2017

**“Dr. Sharmini Jayasekera Award for the Best Oral Communication”**, at the 4<sup>th</sup> Annual Scientific Sessions, Sri Lanka Association for the Laboratory Animal Sciences (SLALAS) in 2017

**“Dr. Sharmini Jayasekera Award for the Best Oral Communication”**, at the 3<sup>rd</sup> Annual Scientific Sessions, Sri Lanka Association for the Laboratory Animal Sciences (SLALAS) in 2016

Awardee for **Asian Federation of Laboratory Animal Science/ Korean Association for Laboratory Animal Science (AFLAS/ KALAS) Next Generation Academic Exchange Program** in 2019



Member of the team who awarded the “**Best Oral Presentation**” on innovative teaching/ learning and assessment methods- Out of the Box Category in Colombo Conference on Medical Education in 2019

Member of the team who awarded the “**Second Place in Poster Presentation**” at the 4<sup>th</sup> CBSL Conference organized by College of Biochemists of Sri Lanka in 2023

### **Other**

**Semifinalist** at the 3 MT competition (3 minutes thesis presentation competition) organized by Sri Lankan Academy of Young Scientists (SLAYS) in 2017

### **Special Services as a Reviewer**

#### **Examination Reviewer**

- Contributed as an examiner for the undergraduate research projects of B. Pharm programme, General Sir John Kotelawala Defence University (2024)
- Contributed as a reviewer of VIVA examination of final year undergraduate research projects of B. Sc. Honours in Industrial Pharmaceutical Science programme of Faculty of Health Sciences, CINEC Campus

#### **Journal Reviewer**

Contributed as a reviewer of South Asian Journal of Parasitology (August, 2024)

Contributed as a reviewer of Asian Journal of Advances in Medical Science (July, 2024)

Contributed as a reviewer of Uttar Pradesh Journal of Zoology (June 2024, July 2024)

Contributed as a reviewer of Asian Journal of Research in Biochemistry (May 2024)

Contributed as a reviewer of Asian Journal of Advanced Research and Report (March 2024)

Contributed as a reviewer of Annual Research & Review in Biology (March 2024)

#### **Reviewer of Book Chapters**

Contributed as a reviewer of Recent Developments in Chemistry and Biochemistry Research (BP International) (July, 2024)

#### **Abstract Reviewer**

- Contributed as an abstract reviewer of 2<sup>nd</sup> Scientific Sessions & International Conferences organized by the Society for Alternatives to Animal Testing in Sri Lanka (SAAT-SL) in 2025
- Contributed as an abstract reviewer of the International Conference on Plastics and Environmental Sustainability (ICPES)-2024, Organized by the Centre for Environmental Studies and Sustainable Development of the Open University of Sri Lanka in collaboration with the Ministry of Environment, Ministry of Public Administration, Home Affairs Provincial Councils and Local Governments, Central Environmental Authority, Natural Innovation Agency, Turtle Conservation Project and Industrial liaison Centre of the Open University of Sri Lanka in 2024.
- Contributed as an abstract reviewer of International Conference on Multidisciplinary Approaches (iCMA) 2023 organized by Faculty of Graduate Studies, University of Sri Jayewardenepura
- Contributed as an abstract reviewer of 4<sup>th</sup> CBSL (College of Biochemists of Sri Lanka) Conference in 2023

- Contributed as an abstract reviewer of International Research Conference in Health Sciences, University of Sri Jayewardenepura (IRCHS-2023) in 2023
- Contributed as an abstract reviewer of 10<sup>th</sup> Scientific Session and International conference of Sri Lanka Association for Laboratory Animal Science (SLALAS) in 2023
- Contributed as an abstract reviewer of the 3<sup>rd</sup> CINEC International Research Symposium (CIRS) in 2022, 2023
- Contributed as an abstract reviewer of 6<sup>th</sup> International Conference on Medicinal Plants, Herbal Products & Hydroponics (Vishav Ayush Arogayam/ Global Aysh Wllness) simultaneously hosted from Dharamshala, Chandigarh, India; Colombo, Sri Lanka; Pattani, Thailand; Pekanbaru, Riau, Indonesia in 2022
- Contributed as an abstract reviewer of 9<sup>th</sup> Annual Scientific Sessions and International Conference of Sri Lanka Association for Laboratory Animal Science (SLALAS) in 2022
- Contributed as an abstract reviewer of International Research Conference in Health Sciences, University of Sri Jayewardenepura (IRCHS-2022) in 2022
- Contributed as an abstract reviewer of 77<sup>th</sup> Annual Sessions of Sri Lanka Association for the Advancement of Science, Section D (Life and Earth Science) in 2021
- Contributed as a manuscript reviewer of Annual Sri Lanka Institute of Information Technology (SLIIT) International Conference on Advancement in Sciences and Humanities (SICASH) in 2021.
- Contributed as an abstract reviewer of 3<sup>rd</sup> Conference of College of Biochemists of Sri Lanka in 2021.
- Contributed as an abstract reviewer of Research Conference in Health Sciences, University of Sri Jayewardenepura (RCHS-2021) in 2021
- Contributed as an abstract reviewer of 8<sup>th</sup> Annual Scientific Sessions and International Conference of Sri Lanka Association for Laboratory Animal Science (SLALAS) in 2021
- Contributed as an abstract reviewer of 75<sup>th</sup> Annual Sessions of Sri Lanka Association for the Advancement of Science, Section D (Life and Earth Science) in 2019

#### **As a member of judge panels**

- Poster presentation Session of Section D (Life and Earth Science), Sri Lanka Association for the Advancement of Science (SLAAS), at 77<sup>th</sup> Annual Sessions SLAAS in 2021.
- Oratorical Competition 2021- Sri Lanka Association for Laboratory Animal Science

#### **Resource person / International invitations / international achievement**

#### **As an invited speaker at scientific conferences**

- Speaker at “Young Scientists Forum” in seventh annual scientific sessions and international

conference 2019/2020 of Sri Lanka Association for Laboratory Animal Science (SLALAS) on 30<sup>th</sup> – 31<sup>st</sup> January 2020.

- Plenary speaker at the “International Symposium of Korean Association for Laboratory Animal Sciences (KALAS) 2019” at Jeju Island, South Korea

### As a resource person

- Workshop series on “**Natural Product Research: Modern Drug Discovery using Ethnopharmacology**” organized by The Institute for Combinatorial Advance Research & Education, General Sir John Kotelawala Defence University in collaboration with the College of Biochemists of Sri Lanka.

**Topic 1: Chromatographic Techniques: Paper Chromatography, TLC and Column Chromatography** (on 7<sup>th</sup> August 2021)

**Topic 2: *In-vitro* Anti-inflammatory Assay** (on 16<sup>th</sup> October 2021)

**Topic 3: *In-vivo* Bioassays for Natural Product Research** (on 13<sup>th</sup> November 2021)

- “**Certificate Course in Laboratory Animal Sciences**” organized by the Sri Lanka Association for Laboratory Animal Science in collaboration with Medical Research Institute (MRI), Sri Lanka – In, 2021, 2020, 2019
- Second pre-medical seminar on “**Introduction to the dissections**” organized by the Anatomical Society of Sri Lanka – In 2018
- “**Certificate Course in Laboratory Animal Sciences**” organized by the Sri Lanka Association for Laboratory Animal Science in collaboration with Faculty of Medicine, University of Colombo- In 2018
- “**Certificate Course in Laboratory Animal Sciences**” organized by the Sri Lanka Association for Laboratory Animal Science in collaboration with Sri Lanka Veterinary Association (SLVA) and Medical Research Institute (MRI), Sri Lanka- In 2017
- “**Certificate Course in Laboratory Animal Sciences**” organized by the Sri Lanka Association for Laboratory Animal Science in collaboration with Medical Research Institute (MRI), Sri Lanka- In 2016
- Workshop on “**Basics of Laboratory Animal Sciences**” (2015) organized by the Sri Lanka Association for Laboratory Animal Science in collaboration with Faculty of Medical Sciences, University of Sri Jayewardenepura- In 2015

### Positions and Memberships

#### Positions

##### **President**

**President**, Society for Alternatives to Animal Testing in Sri Lanka (SAAT-SL)- 2023/2025

**President**, Sri Lanka Association for the Laboratory Animal Science (SLALAS) – 2022/2023

##### **Secretary/Assistant Secretary**

**Joint-Secretary**, College of Biochemists of Sri Lanka (CBSL)- Since July 2023 to present

**Secretary**, Sri Lanka Association for the Advancement of Science (SLAAS)- Section D- 2023

**Secretary**, Ethics Review Committee, CINEC Campus- Since January 2023

**Assistant secretary**, Sri Lanka Association for the Laboratory Animal Sciences (SLALAS) – 2020/2021

**Assistant secretary**, Sri Lanka Association for the Laboratory Animal Sciences (SLALAS) – 2019/2020

**Treasurer/Assistant Treasure**

**Treasurer**, Sri Lanka Academy of Young Scientists (SLAYS) - 2023/2024

**Treasurer**, Sri Lanka National Chapter of Organization for Women in Science for the Developing World (SLNC-OWSD)- 2021/2023

**Treasurer**, Sri Lanka Association for the Laboratory Animal Sciences (SLALAS) – 2018/2019

**Treasurer**, Sri Lanka Association for the Laboratory Animal Sciences (SLALAS) – 2017/ 2018

**Rapporteur**

**Rapporteur**, Sri Lanka Academy of Young Scientists (SLAYS) - 2022/2023

**President Elect**

**President Elect**, Sri Lanka Association for the Laboratory Animal Sciences (SLALAS) – 2021/2022

**Executive committee member**

**Steering Committee Member**, Young Scientists Forum (YSF)- 2024

**Executive committee member**, Sri Lanka Association for the Advancement of Science (SLAAS)- Section D 2024

**Council member**, College of Biochemists of Sri Lanka (CBSL) – 2021/2023, 2019/2021

**Executive committee member**, Society for Alternatives to Animal Testing in Sri Lanka (SAAT-SL)- 2021/2023

**Executive committee member**, Sri Lanka Association for the Laboratory Animal Sciences (SLALAS) – 2023/2024, 2022/2023, 2016/2017

**Executive committee member**, Sri Lanka Academy of Young Scientists (SLAYS) - 2021/2022, 2020/2021, 2019/2020

**Executive committee member**, Sri Lanka National Chapter of Organization for Women in Science for the Developing World (SLNC-OWSD)- 2019/2021

**Ethics Review Committee**

**Committee member of the Ethics Review Committee** of CINEC Campus

**Career guidance unit**

**Committee member of the Career Guidance Unit** of CINEC Campus

**Self-Evaluation Report-Program Review Committee**

**Co-chairperson** of the Self-Evaluation Report-Program Review Committee, Faculty of Health Sciences, CINEC Campus

## **Memberships**

**Life member**, Nutrition Society of Sri Lanka – Since 2021

**Life member**, Sri Lanka association for the Laboratory Animal Sciences (SLALAS) – since 2015

**Full member**, College of Biochemists of Sri Lanka (CBSL) - since 2019

**Affiliate Member**, Organization for women in Science for the developing world (OWSD) – since 2019

**Member**, Sri Lanka National Chapter of Organization for Women in Science for the Developing World (SLNC-OWSD) - since 2019

**Full Member**, Sri Lanka Academy of Young Scientists (SLAYS) - since 2019

**Life member**, Sri Lanka Association for the Advancement of Science (SLAAS), Section E2 – since 2019

**Life member**, Young Scientists Forum (YSF) – National Science and Technology Commission – since 2018

## **As an editor/ member of editorial committee**

- Editorial board member of the CINEC Academic Journal, CINEC Campus, Malabe (Since 20<sup>th</sup> November 2020)

## **Conference Proceedings**

- Member of an editorial committee, 2<sup>nd</sup> Scientific Sessions and International Conference organized by the Society for Alternatives to Animal Testing in Sri Lanka (SAAY-SL) in 2025
- Member of an editorial committee, 4<sup>th</sup> CBSL Conference organized by the College of Biochemists of Sri Lanka (CBSL) in 2023
- Member of an editorial board of Abstract Book, 3<sup>rd</sup> International Research Symposium, CINEC Campus in 2022
- Member of an editorial committee, 3<sup>rd</sup> Conference of College of Biochemists of Sri Lanka (CBSL) in 2021

## **Books**

- Unit Editor in respect of the Advanced Techniques in Medical Laboratory Science course of the Medical Laboratory Science Degree Programme, The Open University of Sri Lanka

## **Units**

History and application of animal studies

Handling of laboratory animals

Animal models

Animal studies

## **Workshops/ Seminar Participation**

Workshop on “**Genetically Modified Mouse Models, *In-vitro* Fertilization and Therapeutic Approaches to Genetic Diseases**” organized by the Sri Lanka Association for Laboratory Animal Science (SLALAS) in collaboration with the General Sir John Kotelawala Defence University (KDU) (28<sup>th</sup> March 2022)

Workshop on “**Continuous Professional Development for Academics in Higher Education**” organized by Section E2 of the Sri Lanka Association for the Advancement Science (SLAAS) in collaboration with General Research Committee (GRC) of SLAAS (1<sup>st</sup> March 2022)

Workshop on **“Systematic Review and Meta-Analysis”** organized by the Sri Lanka Association for Laboratory Animal Science (SLALAS) in collaboration with the 3Rs Centre in LAS in Sri Lanka and the Sri Lanka College of Veterinary Surgeons (17<sup>th</sup> & 23<sup>rd</sup> October 2021)

Preconference workshop on **“Animal Research beyond Publications”** organized by Basic and Applied Sciences Session of KDU-IRC 2021 in collaboration with Sri Lanka Association for Laboratory Animal Science (SLALAS) (7<sup>th</sup> September 2021)

Workshop on **“Basics in research ethics and CINEC ERC standard operating procedure”** organized by the Ethical Review Committee of CINEC Campus (8<sup>th</sup> December 2020)

Workshop on **“Zebrafish model as an alternative to toxicity testing”** organized by the Sri Lanka Association for Laboratory Animal Science (SLALAS) in collaboration with the Medical Research Institute (MRI), Swiss Federal Institute of Aquatic Science and Technology and ‘ALERTOX’ Academy (29<sup>th</sup> January 2020)

Workshop on **“Establishing a culture of care for animal research through harmonization”** organized by the Sri Lanka Association for Laboratory Animal Science (SLALAS) together with the Ethics Review Committee (ERC) of the Faculty of Medicine, University of Colombo (27<sup>th</sup> January 2020)

Workshop on **“Biotechnology Innovation and Entrepreneurship”** organized by the Sri Lankan Association for the Advancement of Science (31<sup>st</sup> October 2019)

Workshop on **“Empowering Scientists for Career Success”** organized by the Sri Lanka National Chapter of Organization for Women in Science for the Developing World (SLNC-OWSD) in collaboration with COACH (8<sup>th</sup> March 2019)

Workshop in **“Applications of Cell Culture”** organized by the Sri Lanka Association for Laboratory Animal Science (SLALAS) in collaboration with the Department of Biochemistry, Faculty of Medicine, University of Peradeniya (14<sup>th</sup> – 19<sup>th</sup> January 2019)

Workshop on **“Laboratory Animal Anaesthesia”** organized by the Sri Lanka Association for Laboratory Animal Science (SLALAS) (4<sup>th</sup> – 6<sup>th</sup> June 2018)

Pre-conference workshop on **“Alternatives to Animal Research”** organized by the Sri Lanka Association for Laboratory Animal Science (22<sup>nd</sup> & 23<sup>rd</sup> January 2018)

Pre-conference workshop on **“Statistics for Promotion of 3Rs & High-Quality Research”** organized by the Sri Lanka Association for Laboratory Animal Science (20<sup>th</sup> & 21<sup>st</sup> January 2018)

Workshop on **“Towards High Impact Journal Publication and Proposal Writing”** organized by the Young Scientists Forum (YSF) of the National Science and Technology Commission (NASTEC) (5<sup>th</sup> January 2018)

Pre-symposium workshop on **“Bridging Biotechnology and Traditional Medicine – A Multi-Disciplinary Approach”** organized by University of Sri Jayewardenepura in collaboration with Ministry of Health, Nutrition & Indigenous Medicine (22<sup>nd</sup> November 2017)

Workshop on **“Experimental Design by NC3R’s & Hygiene in Animal Facilities”** organized by Laboratory Animals Scientists Association India (LASA), (24<sup>th</sup> November 2017).

Workshop on **“Review Writing & Publication Metrics”** jointly organized by the Sri Lankan Academy of Young Scientists (SLAYS) & Faculty of Applied Sciences, University of Sri Jayewardenepura (26<sup>th</sup> July 2017).

**“National Workshop on Separation Techniques in Natural Product Research”** organized by Institute of



Fundamental Studies, Kandy, Sri Lanka (19<sup>th</sup> – 23<sup>th</sup> September 2016).

Workshop on **“Preparation of effective research proposals, conducting research and publication”** organized by Faculty of Graduate Studies, University of Sri Jayewardenepura (13<sup>th</sup> February 2016).

Workshop on **“Writing a High Impact Research Article”** organized by the Young Scientists Forum (YSF) of the National Science and Technology Commission (NASTEC) (9<sup>th</sup> – 10<sup>th</sup> July 2015)

**“National Workshop on Investigating Bioactive metabolites from Natural Sources: Enzyme Inhibitory Studies, NMR and LC-MS Interpretation”** organized by Institute of Fundamental Studies, Kandy, Sri Lanka (13<sup>th</sup> – 17<sup>th</sup> October 2014)

Workshop on **“Statistics – Intermediate Level”** organized by Section A of Sri Lanka Association for the Advancement of Science (SLAAS) and Sri Lanka Association for Laboratory Animal Science (20<sup>th</sup> & 23<sup>rd</sup> May 2014)

Workshop on **“Free Software for use in Higher Education and Research”** organized by Section E2, Sri Lanka Association for the Advancement of Science (SLAAS) and Sri Lanka Association for Laboratory Animal Science (SLALAS) (18<sup>th</sup> July 2014)

Workshop on **“Toxicity testing for industrial Purposes and possible alternatives”** organized by Sri Lanka Association for Laboratory Animal Sciences (SLALAS) in collaboration with Medical Research Institute (MRI), Sri Lanka (14<sup>th</sup> – 15<sup>th</sup> February 2014)

Workshop on **“Basic Statistics”** organized by Section A of Sri Lanka Association for the Advancement of Science (SLAAS) and Sri Lanka Association for Laboratory Animal Science (11<sup>th</sup> - 13<sup>th</sup> June 2013)

Workshop on **“Introduction to laboratory animal science”** conducted by Sri Lanka Association for Laboratory Animal Science (SLALAS) in collaboration with Faculty of Medical Sciences, University of Sri Jayewardenepura (27<sup>th</sup> -28<sup>th</sup> February 2013)

Online course on **“Coronavirus (COVID-19) for Nursing Professionals in Post-Acute Care – (1 Contact Hour)**, conducted by Florida Board of Nursing, Intelycare (18<sup>th</sup> April 2020)

Online course on **“Food Allergy Online Training”**, conducted by Food Standards Agency (food.gov.uk)

Seminar on Important Aspects of Cosmetics organized by Institute of Chemistry, Ceylon on 15<sup>th</sup> May 2021.

### **Webinar Participation**

Webinar series on **“Cytotoxicity Assays: Investigating a ‘toxic’ environment to your cells”** organized by Central Research Laboratories, University Malaya, Gaia Science (M) Sdn Bhd in collaboration with CytoSMART Technologies  
B. V. on 5<sup>th</sup> April 2022.

Webinar on **“HPTLC Applications in Polyherbal Formulation Standardization Using Markers”** organized by KIET School of Pharmacy, Delhi-NCR, Ghaziabad in collaboration with Labchrom Scientific LLP & Biostep, Mumbai on 5<sup>th</sup> March 2022







