

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

Deputy HOD /Senior Lecturer Grade II

Department of Cosmetic Science

Faculty of Health Sciences,

CINEC Campus, Malabe

Sri Lanka.

Contact no: 0114486400, 771658384

Email: kalpani.ratnayake@cinec.edu

kmratnayakeusjp@gmail.com



Professional qualifications

Since 1st January 2022- **Deputy Head/ Department of Cosmetic Science**, Faculty of Health Sciences, CINEC Campus, Malabe

August 2021- December 2021 - **Chief Academic Officer**, Department of Cosmetic Sciences, Faculty of Health Sciences, CINEC Campus, Malabe

April 2020- August 2021 - **Chief Academic Officer**, Department of Pharmaceutical and Cosmetic Sciences, Faculty of Health Sciences, CINEC Campus, Malabe

Since 2020 - **Senior Lecturer Grade II**, Faculty of Health Sciences, CINEC Campus, Malabe

2019 – 2020- **Former Visiting Lecturer**, Department of Pharmacy and Department of Medical Laboratory Science, Faculty of Medical Sciences, The Open University Sri Lanka, Nawala

2012 -2020 - **Former Visiting Lecturer** in Nurses Training Programme, Pannipitiya PrivateHospital, Malabe Road, Pannipitiya.

2019 -2020 - **Former Visiting Lecturer in Bachelor of Science in Biomedical Science (Hons) Degree**, Management and Science Institute, Colombo (Management and Science University, Malaysia)

2019 -2020 – **Former Visiting Lecturer in Bachelor of Science in Biomedical Science (Hons) Degree**, Kaatsu International University, Koswatta, Battaramulla

2018- 2020 -**Former Demonstrator**, Department of Anatomy, Faculty of Medical Sciences, University of Sri Jayewardenepura, Gangodawila, Nugegoda.

2013- 2018 -**Former Research Assistant**, Department of Biochemistry, Faculty of Medical Sciences, University of Sri Jayewardenepura, Gangodawila, Nugegoda.

2012- 2013 -**Former Research Assistant**, 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 (Reading)**
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⁺ 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⁺ 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 **Deputy Head of the Department**, Department of Cosmetic Science, Faculty of Health Sciences, CINEC Campus from January 2022
- Attended on administrative works as a **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

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

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*
(Accepted for Publish)

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, 9th 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, 8th 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, 7th 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, 5th 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, 6th Young Scientists Forum (YSF) Symposium, Page: 116-119

Abstracts

1. Senevirathna, P. L. D. R. U., Abeysekara, N. R. M., Chandrasena¹, 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, Page 62
2. 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*, 9th Annual Scientific Sessions and International Conference, Sri Lanka Association for Laboratory Animal Science (SLALAS), Page 39.
3. 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, 9th Annual Scientific Sessions and International Conference, Sri Lanka Association for Laboratory Animal Science (SLALAS), Page 43
4. Abeysekara, N. R. M., Senevirathna, P. L. D. R. U., Chandrasena¹, 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, Page 95
5. 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, 77th Annual Sessions, Sri Lanka Association for the Advancement of Science, Page 50.

6. 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, 3rd Conference, College of Biochemists of Sri Lanka, Page 53.
7. 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 5th International Conference on Bioscience and Biotechnology 2020, Kuala Lumpur, Malaysia, Page 35
8. **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) leave, Second Research Symposium of the Faculty of Allied Health Sciences, University of Ruhuna, Page 55
9. **Ratnayake, W. M. K. M.**, Jayaprasad, Y. D. M., Nakandala, N. D. B. U., Shiraf, M. A. A., Edirisinghe E. A. S. T., Dissanayake, P. H., Tennakoon, V., Dissanayake, S., Dissanayake, M. H. P., Yasawardene, S. G., (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, Page 49
10. 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, Page 59-60
11. 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, Page 85
12. **Ratnayake, W. M. K. M.**, Suresh, T. S., Abeysekara, A. M., Salim, N., Chandrika, U. G., (2019), Cyclooxygenase 2 inhibitory activity of *Psychotria sarmentosa* leaves used in traditional porridge in Sri Lanka, International Conference on Health Sciences, University of Sri Jayewardenepura, Page 152
13. **Ratnayake, W. M. K. M.**, Jayeprasad, Y. D. M., Nakandala, N. D. B. U., Shiraf, M. A. A., Edirisinghe, E. A. S. T., Dissanayake, M. H. P., Tennakoon, V., Dissanayake, S., Dissanayake, P. H., Yasawardene, S. G., (2019), Public knowledge about medical genetics and hereditary diseases: a preliminary study from Family Practice Centre, University of Sri Jayewardenepura, Sri Lanka, International Conference on Health Sciences, University of Sri Jayewardenepura, Page 137
14. 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
15. 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, 14th Annual Academic Sessions, The College of Otorhinolaryngologists and Head and

16. **Ratnayake, W. M. K. M.**, Suresh, T. S., Abeysekara, A. M., Salim, N., Chandrika, U. G., (2019), Acute anti-inflammatory activity of evolitrine isolated from *Acronychia pedunculata* leaves in Wistar rats, 6th Annual Session of Sri Lanka Association for Laboratory Animal Science (SLALAS), Page: 47
17. **Ratnayake, W. M. K. M.**, Suresh, T. S., Abeysekara, A. M., Salim, N., Chandrika, U. G., (2018), Antinociceptive activity of evolitrine isolated from *Acronychia pedunculata* leaves, Asian Symposium on Medicinal Plants, Spices and other Natural Products XVI, Page 111
18. **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 E₂ level of Wistar rats with chronic arthritis, 1st Bi-annual Conference, College of Biochemists of Sri Lanka, Page 12
19. **Ratnayake, W. M. K. M.**, Suresh, T. S., Abeysekara, A. M., Salim, N., Chandrika, U. G., (2018), Evaluation of inhibition of prostaglandin E₂ level by *Psychotria sarmentosa* leaves used in traditional porridge in Sri Lanka, 11th International Research Conference Basic and Applied Sciences, General Sir John Kotelawala Defence University, Page 20
20. **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, 5th Annual Session of Sri Lanka Association for Laboratory Animal Science (SLALAS), Page: 35.
21. **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), Page: 160-161
22. **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, 8th International Conference of LASA India, Page: 55
23. **Ratnayake, W. M. K. M.**, Suresh, T. S., Abeysekara, A. M., Salim, N., Chandrika, U. G., (2017), Anti-inflammatory activity of *Psychotria sarmentosa* leaves, 64th Annual Meeting of Japanese Association for Laboratory Animal Science (JALAS), Page: S35
24. **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, 4th Annual Seccession of Sri Lanka Association for Laboratory Animal Science (SLALAS), Page: 35
25. **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, 4th International Conference on Ayurveda, Unani, Siddha and Traditional Medicine (ICAUST), Institute of Indigenous Medicine, University of Colombo, Page: 86
26. **Ratnayake, W. M. K. M.**, Suresh, T. S., Abeysekara, A. M., Salim, N., Chandrika, U. G., (2016) Antinociceptive activity of *Acronychia pedunculata* leaves, International Conference on Multidisciplinary Approaches (iCMA), Faculty of Graduate studies, University of Sri

Jayewardenepura, Page: 26

27. **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), Page: 342
28. **Ratnayake, W. M. K. M.**, Chandrika, U. G., Suresh, T. S., Abeysekara, A. M., Salim, N. (2016), Anti-histamine activity of *Acronychia pedunculata* leaves, 9th International Research Conference, General Sir John Kotelawala Defence University, Page: 233
29. **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, Kuliyaipitiya, Page: 178
30. **Ratnayake, W. M. K. M.**, Chandrika, U. G., Suresh, T. S., Abeysekara, A. M., Salim, N. (2016) Antinociceptive activity of aqueous extract of *Psychotria sarmentosa* leaves, 25th Anniversary Scientific International Conference, Faculty of Medicine, University of Kelaniya, Page: 114
31. **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, 3rd Annual Session of Sri Lanka Association for Laboratory Animal Science (SLALAS), Page: 22
32. **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, 12th Asian Congress of Nutrition, Yokohama, Japan, Page: 353
33. 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/actone solutions, 68th Annual Sessions, Sri Lanka Association for the Advancement of Science, Page 69

Newsletters

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

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.

Presentations

Acute and sub-acute study of *Acronychia pedunculata* leaves, 9th 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, 8th Young Scientists Forum (YSF) Symposium (2019)

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

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

Anti-histamine activity of aqueous extract and macromolecular fraction of *Psychotria sarmentosa* leaves, 5th 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, 6th 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, 1st 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, 11th 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, 5th 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, 8th International Conference of LASA India (2017)

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

Nitric oxide scavenging activity of aqueous extract of *Psychotria sarmentosa* leaves, 4th 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, 4th 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, 9th 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, Kuliyaipitiya (2016)

Anti-nociceptive activity of aqueous extract of *Psychotria sarmentosa* leaves, 25th 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, 3rd 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, 12th Asian Congress of Nutrition, Yokohama, Japan (2015)

Awards

- “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 2nd Symposium of the Faculty of Allied Health Sciences, University of Ruhuna in 2019
- “Certificate of Merit”, at 8th Young Scientists Forum (YSF) in 2019
- “Dr. Sharmini Jayasekera Award for the Best Oral Communication”, at the 6th 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 1st Bi-annual conference, College of Biochemists of Sri Lanka in 2018
- Certificate of Merit”, at 7th Young Scientists Forum (YSF) in 2018
- “International Award” at the 64th Annual Meeting, Japanese Association for Laboratory Animal Sciences (JALAS) in 2017 in Fukushima, Japan
- “Certificate of Merit”, at 6th Young Scientists Forum (YSF) in 2017
- “Dr. Sharmini Jayasekera Award for the Best Oral Communication”, at the 4th 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 3rd 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 at Jeju Island, South Korea

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

- Contributed as an abstract reviewer of 9th Annual Scientific Sessions and International Conference of Sri Lanka Association for Laboratory Animal Science (SLALAS) in 2022
- Contributed as an abstract reviewer of 77th Annual Sessions of Sri Lanka Association for the Advancement of Science, Section D (Life and Earth Science) in 2021
- Contributed as an abstract reviewer of International Research Conference in Health Sciences, University of Sri Jayewardenepura (IRCHS-2021) 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 3rd 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 8th Annual Scientific Sessions and International Conference of Sri Lanka Association for Laboratory Animal Science (SLALAS) in 2021
- Contributed as an abstract reviewer of 75th 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 77th 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 30th – 31st 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 7th August 2021)
Topic 2: *In-vitro* Anti-inflammatory Assay (on 16th October 2021)
Topic 3: *In-vivo* Bioassays for Natural Product Research (on 13th 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, Sri Lanka Association for the Laboratory Animal Sciences (SLALAS) – 2022/2023

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

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

Treasurer, Sri Lanka National Chapter of Organization for Women in Science for the Developing World (SLNC-OWSD)- 2021/2022

Executive committee member, College of Biochemists Sri Lanka (CBSL) – 2021/2022

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

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

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

Executive committee member, College of Biochemists Sri Lanka (CBSL) – 2020/2021

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

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

Executive committee member, College of Biochemists Sri Lanka (CBSL) – 2019/2020

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

Executive committee member, Sri Lanka National Chapter of Organization for Women in Science for the Developing World (SLNC-OWSD)- 2019/2020

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

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

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

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 20th November 2020)
- Member of an editorial committee, 3rd Conference of College of Biochemists of Sri Lanka (CBSL) in 2021.
- 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) (28th 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 (1st 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 (17th & 23rd 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) (7th September 2021)

Workshop on **“Basics in research ethics and CINEC ERC standard operating procedure”** organized by the Ethical Review Committee of CINEC Campus (8th 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 (29th 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 (27th January 2020)

Workshop on **“Biotechnology Innovation and Entrepreneurship”** organized by the Sri Lankan Association for the Advancement of Science (31st 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 (8th 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 (14th – 19th January 2019)

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

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

Pre-conference workshop on **“Statistics for Promotion of 3Rs & High-Quality Research”** organized by the Sri Lanka Association for Laboratory Animal Science (20th & 21st 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) (5th 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 (22nd November 2017)

Workshop on **“Experimental Design by NC3R’s & Hygiene in Animal Facilities”** organized by Laboratory Animals Scientists Association India (LASA), (24th 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 (26th July 2017).

“National Workshop on Separation Techniques in Natural Product Research” organized by Institute of Fundamental Studies, Kandy, Sri Lanka (19th – 23th September 2016).

Workshop on **“Preparation of effective research proposals, conducting research and publication”** organized by Faculty of Graduate Studies, University of Sri Jayewardenepura (13th 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) (9th – 10th 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 (13th – 17th 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 (20th & 23rd 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) (18th 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 (14th – 15th 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 (11th - 13th 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 (27th -28th 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 (18th 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 15th 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 5th 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 5th March 2022.

