

Weranga Rajapaksha MPhil, BPharm (Hons)
Lecturer in Pharmaceutical Sciences,
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Sri Lanka.



Research Scores

2020 Citations 2

2020 H index 1

RG Score: 4

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Professional qualifications

- Lecturer in Pharmaceutical and Cosmetic Sciences, CINEC Campus, Malabe. (2020 – Present)
- Supporting academic staff member of the Ethics Review Committee at CINEC Campus, Malabe. (2020 – Present)
- Former Research scientist in Synthetic and Medicinal Organic Laboratory (GLP Certified) at SLINTEC. (2018 – 2020)
- Former intern pharmacist at the teaching hospital, Kandy. (2017- 2018)
- Certificate of proficiency as pharmacist with effect from 25th February 2019
- Certificate of registration as pharmacist (SLMC) with effect from 8th April 2019.
Registration No. 10554

Educational qualifications

- Master of Philosophy degree in Sri Lanka Institute of Nanotechnology (SLINTEC),
Research Area: Nanomedicine.
Research Title: Ferrous ascorbate and folic acid encapsulated Biopolymeric nanoparticles as a drug delivery system for iron deficiency anaemic patients.
Grade point average – 3.36 (on the scale of 0-4)
Academic year: 2017/18
Registration number: SLINTEC/ACA/2017/07
Specialized areas – Pharmaceutics, Nanomedicine, Synthetic medicine, Advanced characterization technologies

- Completed Teachers training program organized by Faculty of Humanities and Education, Cinec Campus, Malabe
- Bachelor of Pharmacy degree (Hons) (B. Pharm) in General Sir John Kotelawala Defence University.
Class: Second Class upper division (GPA – 3.44)
Academic year: 2013/17
Registration number: PMY/13/022
- Diploma in English conducted by Esoft Metro campus in the year 2012.

Teaching Experience

- I have been conducting lectures, tutorials and practical in Pharmaceutics and cosmeceutics, Organic Chemistry, pharmaceutical microbiology, Physical Pharmacy and Medicinal Chemistry in BSc degree in Industrial Pharmaceutical Science and BSc in Cosmetic Science.
- I have been conducting lectures, tutorials and practical in Pharmaceutics and cosmeceutics, in Advanced certificate course in Industrial Pharmaceutical Science and Advanced certificate course in Cosmetic Science.

Research Projects

- Evaluation of *in-vitro* antibacterial activity of extracts of roots of *Ipomoea aquatica*, *Lasia spinosa*, *Pistia stratiotes* and leaves of *Monochoria vaginalis* growing in the wastewater of Sri Lanka. (Completed)
- Ferrous and folic acid delivery system using biopolymeric nanoparticles. (Completed)
- *In vivo* anti-inflammatory activity of betamethasone analogues using acute paw oedema induced 36 Swiss albino rats. (Completed)
- *In vitro* evaluation of anti-inflammatory activity and formulation development of *Alpinia Calcarata* Roscoe rhizome extract incorporated novel cream. (on going)
- *In vitro* evaluation of antioxidant activity and formulation development of *Clitoria ternatea* flower extract incorporated body lotion. (on going)
- Evaluation of *in vitro* anti-inflammatory activity of *Dillenia retusa* Thunb plant extracts. (on going)

Research publications

Journal Articles

Dhanushi T Welideniya, Ph.D; Adeesha Saseenda Jayathilaka, BS; Anjana Delpa Acharige, BS; Upamalika Samanthi, MS; Umayangani Wanninayake, Ph.D; Shashika Sevvandi Perera, BS; **Weranga Rajapaksha**, BS; Chamod C Fernando, BS; Madhavi Hewadikaram, BS; Janani Buddhika, BS; Pivini Gunasekara, BS; Veranja Karunaratne, Ph.D; G. A. J. Amaratunga, PhD, "Practical and Scalable Synthesis of Beclomethasone Dipropionate", *Steroids*, 2021; 108948, ISSN 0039-128X, <https://doi.org/10.1016/j.steroids.2021.108948>

Senadeera, S. P. N. N., Fernando, K. S. K., Wickramasekara, W. L. L. N., Fernando, M. Y. S., Ranaweera, C. B., **Weranga Rajapaksha**, & Silva, A. R. N., "In vitro Anti-inflammatory Activity of Endemic *Artocarpus nobilis* Thw Found in Sri Lanka". *Asian Plant Research Journal*, 2021; 08 (04): 116-122, <https://doi.org/10.9734/aprj/2021/v8i430192>

Abeykoon AMAU, De Silva GMCP, Karunathilake KTSS, **Rajapaksha RGWDB**, Silva ARN, Bandara AWMKK, Pathirana RN, "Evaluation of *in vitro* Anti-inflammatory and Antibacterial Activities of Leaves, Roots and Combination of Leaves and Roots Extracts of Plant *Magnolia figo*". *Sri Lanka Journal of Indigenous Medicine (SLJIM)*, 2021; 06 (02): 483-494, ISSN 2013-9238

RGWDB Rajapaksha, BAR Fernando, TMAB Thennakoon, ARN Silva, "Phytochemical Analysis of Extracts of *Ipomoea aquatica*, *Lasia spinosa*, *Pistia stratiotes* and *Monochoria vaginalis* Growing in Polluted Water in Sri Lanka". *South Asian Research Journal of Natural Products*, 2021;4(2), 11-17.

RGWDB Rajapaksha, ARN Silva, BAR Fernando, TMAB Thennakoon, WD Ratnasooriya, "Evaluation of *in vitro* antibacterial activity of extract of semi-aquatic plants growing in the polluted water of Sri Lanka". *International Journal of Pharmacognosy and Life Science*. 2020; 1(1): 42-50.

N.T. Thotawatte, H. H. V. K. N. De Silva, **RGWDB Rajapaksha**, "Prescription Analysis of short dosage forms of metformin as monotherapy or combined therapy in type II diabetes mellitus; pilot study" *CINEC Academic Journal*, 2020 4, 59-61

Poster presentations

WM Pabasara, GLGS Liyanage, DMRB Thanayamwatta, **RGWDB Rajapaksha**, RN Pathirana, MA Siriwardhene and ARN Silva, "Evaluation of *In vitro* Anti-inflammatory Activity of Ethanol and Aqueous Extracts of the Whole Plant of *Cardiospermum Halicacabum*" *General Sir John Kotelawala Defence University 14th International Research Conference, 2021*.

N.T. Thotawatte, H. H. V. K. N. De Silva, **RGWDB Rajapaksha**, "Prescription Analysis of short dosage forms of metformin as monotherapy or combined therapy in type II diabetes mellitus; pilot study" *CINEC Student Research Symposium, 2020*.

T.D.B.Kangara, S.D.Senanayake, K.A.Siriwardhana, N.W.A.N.Maanisha, G.A.J.Rathnasekara, H.H.V.K.N.De Silva, **R.G.W.D.B.Rajapaksha**, "Qualitative and Quantitative Analysis of Dispensing of OTC Medicine Usage in Community Pharmacy Outlets, Sri Lankan Perspectives; A Pilot Study", *CINEC Student Research Symposium, 2020*.

I. H. V. Nicholas, **Weranga Rajapakse**, G. A. J. Amaratunga, D. N. Karunaratne, V. Karunaratne, “A nano-delivery system for combination therapy of iron and folic acid” *Asian Symposium on Medicinal Plants, Spices and Other Natural Products XVI, 2018*.

RARS Ranasinghe, KAU Jayawardena, **RGWDB Rajapaksha**, ARN Silva, V Nawarathne, “Evaluation of in vitro antibacterial effect of *Lawsonia inermis* L. plant against *Acinetobacter baumannii* and *Pseudomonas aeruginosa*” *General Sir John Kotelawala Defence University 11th International Research Conference, 2018*.

RGWDB Rajapaksha, ARN Silva, BAR Fernando, TMAB Thennakoon, WD Ratnasooriya, “In vitro antibacterial activity of some aquatic plants growing in polluted water of Sri Lanka”. *General Sir John Kotelawala Defence University 10th International Research Conference, 2017*.

Awards

- P.B. Illangasinghe memorial award for music at “Kala Ulela” 2012 of Dharmaraja College.
- Best Poster presentation award for the research poster at 11th International Research Conference, General Sir John Kotelawala Defence University.
- Vice Chancellor's Award for outstanding leadership at the General Convocation of the Sri Lanka Institute of Nanotechnology, 2022

Special Trainings

- Completed the 6 months training at SPC Osusala outlet (nugegoda) for community pharmacy module - Experienced in pharmaceutical dispensing, pharmaceutical extemporaneous preparations and inventory control
- Indoor and outdoor pharmacies, drug stores at Army hospital, Narahenpita - Experienced in pharmaceutical dispensing, cold chain management, drug ordering, inventorying, storing, pharmaceutical extemporaneous preparations and inventory control in the hospital environment.
- National Medicinal Regulatory Authority (NMRA) – Experienced in Pharmaceutical Registration and regulation on new medicine/medical devices imports, New Pharmacies, New Manufacturing facilities and conducting of clinical trials.

- State Pharmaceutical Corporation (Head office) – Obtained knowledge and experience in the process of pharmaceutical procurement for government institutions, handling of drug importing documents and pharmaceutical marketing.
- State Pharmaceutical Manufacturing Corporation (SPMC) – Training on the pharmaceutical manufacturing process, procurement of industrial drug manufacturing needs, good manufacturing practices, quality assurance of raw materials selection process, packaging/labelling and distribution of finished drugs, Formulation development and Quality control laboratories.
- National Medicines Quality Assurance Laboratory – Experienced in chemical, biological and microbiological testing for assurance of the quality of Medicines, Medical Devices, Borderline products, and Cosmetics for determining compliance with product quality, safety and efficacy requirements.
- Medical Supplies Division (MSD) – Experienced in procedures and handling of documents in drug ordering, annual estimation, distribution to government hospitals, Pharmaceutical storage, Dangerous drug control, Formulary revision and cold chain management.
- Cancer hospital-Maharagama (Cytotoxic Reconstitution Unit) – Trained reconstitution of cytotoxic drugs for cancer patients at Apeksha hospital and Pharmaceutical dispensing. And also, experienced in the safe handling of cytotoxic medicines and cold chain management.
- Medical Research Institute (MRI Animal house & Pharmacology department) – Obtained experience and knowledge in quality assurance of vaccines, animal handling and natural products chemistry.
- Tuberculosis campaign (Colombo chest clinic and central drug store at walisara) – Experienced on patient counselling, medicine storage of tuberculosis preventing campaign.
- Army hospital at Narahenpita - Clinical Pharmacy practice.

- Quality control Laboratory visit at J.L. Morison Son & Jones (Ceylon) PLC. – Gained experience and knowledge regarding Industrial Pharmaceutical quality assurance and good manufacturing practices.

Memberships

- Member of Sri Lanka Association of Young Scientists
- Member of Rec club at SLINTEC
- Committee member of Ethical review committee at CINEC Campus