

CURRICULUM VITAE

CONTACT INFORMATION

Name : Kithsiri B. Ranawana

Address : Home: 48/A/2
Jeamine Watta
Kiribathkumbura
Sri Lanka

Phone: 0777-356436 (Mobile)
email: kithsiri.r@gmail.com

Office: Ecological Association of Sri Lanka (EASL)
No 172, Bogathenna,
Udaperadeniya, Peradeniya,
Sri Lanka

Phone: 0777-356436 (Mobile)
email: easl.env@gmail.com

PERSONAL INFORMATION

Date of Birth: 28 April 1959

Sex: Male

Nationality: Sri Lankan

Marital Status: Married

Children: Two

EMPLOYMENT HISTORY (*Teaching, Research, Administration*)

Senior Professor in Zoology

Department of Zoology, Faculty of Science, University of Peradeniya, Sri Lanka.
August 2017 – January 2025.

Professor in Zoology

Department of Zoology, Faculty of Science, University of Peradeniya, Sri Lanka.
August 2009 – August 2017.

Head of Department

Department of Zoology, Faculty of Science, University of Peradeniya, Sri Lanka.
1st February 2010 to 31st January 2013.

Senior Lecturer

Department of Zoology, Faculty of Science, University of Peradeniya, Sri Lanka.
February 1994 – July 2009.

Graduate Fellow

College of Environmental Science and Forestry, State University of New York,
Syracuse, New York. August 1991 - February 1994.

Lecturer (Probationary)

Department of Zoology, Faculty of Science, University of Peradeniya, Sri Lanka.
March 1988 - July 1991.

Assistant Lecturer (Probationary)

Department of Zoology, Faculty of Science, University of Peradeniya, Sri Lanka.
March 1987 - March 1988.

Temporary Assistant Lecturer

Department of Zoology, Faculty of Science, University of Peradeniya, Sri Lanka.
January 1986 - March 1987.

OTHER APPOINTMENTS

Visiting Lecturer, Faculty of Veterinary Medicine & Animal Science, University of Peradeniya,
Sri Lanka (2000 to 2004).

Visiting Lecturer, Postgraduate Institute of Agriculture, University of Peradeniya, Sri Lanka
(1995 to 1998 & 2016)

Visiting Lecturer, Rajarata University of Sri Lanka (1997 & 2003 to 2010)

Visiting Lecturer, Open University of Sri Lanka (1997 to 1999 & 2003)

EDUCATION

Ph.D. (Zoology, 2015).
University of Peradeniya, Sri Lanka.

M.Phil. (Zoology, 1995).
University of Peradeniya, Sri Lanka.

MS. (Environmental Science and Forestry, 1994).
College of Environmental Science and Forestry, State University of New York, Syracuse, New York,
USA.

B.Sc. (Zoology Honors, 1985).
University of Peradeniya, Peradeniya, Sri Lanka.

PROFESSIONAL QUALIFICATIONS

Certificate of Advance Freshwater Aquaculture, Department of Fisheries, Royal Thai Government (2007).

AWARDS

National Research Council (NRC) Merit Award for Scientific Publication - 2015
National Research Council (NRC) Merit Award for Scientific Publication - 2013
National Research Council (NRC) Merit Award for Scientific Publication - 2012
Thailand International Development Cooperation Agency Fellowship Award – 2007
Presidential Award for Research – 2007 -2008 -2009
Presidential Award for Research – 2005
Presidential Award for Research – 2004
Presidential Award for Research – 2002
J. William Fulbright Fellowship – 1991

RESEARCH INTERESTS

General: Ecology & Conservation

Specific: Fish and Wildlife Habitat & Population Management,
Biodiversity Conservation, Restoration Ecology, Mangrove Ecology, Inland Fisheries,

PUBLICATIONS

Research Publications in Refereed Journals

Medawala, U.G.M.S., **K.B. Ranawana** and S.P. Abeysundara. 2025. Application of Four Body Condition Scoring Indices to Assess the Well-being of Asian Elephant (*Elephas maximus maximus*) at the Pinnawala Elephant Orphanage, Sri Lanka. *Ceylon Journal of Science* **54** (1), 407-416.

Danushka S. Weerasekera, Mihiran Medawala, Samantha Herath, Damayanthi K. K. Nanayakkara, Ashoka Dangolla and **Kithsiri B. Ranawana**. 2025. Faecal Testosterone Concentration in Sri Lankan Bull Elephants During Musth. *Gajah* **58**, 37-39 (Short Communication).

Buddhika Weerakoon and **Kithsiri Ranawana**. 2025. Vertical stratification of the butterfly flight and its variations with forest succession of a tropical forest in Sri Lanka. *Species* 26, e14s1793 (2025).

Shashi Madhushanka, Danushka S. Weerasekera, Mihiran Medawala, **Kithsiri B. Ranawana**. 2025. Seasonal Patterns of Hog Deer (*Axis porcinus*) Antler Development in Sri Lanka. *World News of Natural Sciences (WNOFNS)* **58**, 142-149.

Anthony R. Rendall, Roan D. Plotz, Kaori Yokochi, Joel Krauss, Aaron Pengelly, Sam A. Di Stefano, Sarah Swindell, **Kithsiri Ranawana**, Dulani R. Vidanapathirana, Michael A. Weston. 2024. Lifting the Veil of Darkness: Thermal Technology Facilitates Collection of Flight-Initiation Distances by Night. *Ecology and Evolution*, 2024; 14:e70450

Shashi Madhushanka, **Kithsiri Ranawana**. 2024. The First Record of Albino Grey Langur (*Semnopithecus priam*) from Katagamuwa, Yala National Park and Endemic Toque Macaque (*Macaca sinica*) from Minneriya National Park in Sri Lanka. *World News of Natural Sciences* (WNOFNS) **57**: 34-38 (Available online at www.worldnewsnaturalsciences.com).

Samarasekara S. Thadhani, Weerasekera, Danushka S., Ranawana, K. B. 2023. Porcupines - The Prickly Rodents of Udawattekele. *Loris – Journal of the Wildlife and Nature Protection of Sri Lanka* **30** (1 & 2), June – December 2023 Edition.

Danushka S. Weerasekera, Sandun J. Perera, William J. McShea, **Kithsiri B. Ranawana**. 2023. Population dynamics and social organization of sambar (*Rusa unicolor unicolor*) in Horton Plains National Park, Sri Lanka. *Biotropica*. 2023;00: 1–11. DOI: [10.1111/btp.13243](https://doi.org/10.1111/btp.13243).

Dinarzarde C. Raheem, David J. Gower, Karin Breugelmans, **Kithsiri B. Ranawana**, Thierry Backeljau, The systematics and evolution of the Sri Lankan rainforest land snail Corilla: New insights from RADseq-based phylogenetics. *Molecular Phylogenetics and Evolution* 182 (2023) 107731. <https://doi.org/10.1016/j.ympev.2023.107731>.

Samarasekara S. Thadhani, Weerasekera, Danushka S., *Ranawana, K. B.* 2022. The Elusive Barking Der (*Muntiacus muntjac*) of Udawattekele Forest Reserve, Kandy, Sri Lanka. *Loris – Journal of the Wildlife and Nature Protection of Sri Lanka* **29** (6), December 2022 Edition

Daniel Gorman, Sevvandi Jayakody, Sunanda Kodikara, Susantha Udagedara, D.D.G.L. Dahanayaka, **Kithsiri B. Ranawana**, M. P. Kumara , Vasantha Pahalawattaarachchi, Mathiventhan Thavanayagam, Andrew D.L. Steven, Jagath A.A.L. Gunawardana, and Mathew A. Vanderklift. 2022. Past, present and future of Sri Lankan coastal macrophyte-dominated ecosystems: Blue Carbon, Conservation, Restoration and Policy. *Oceanography and Marine Biology: An Annual Review*, 2022, **60**, 301-334.

Tharanya Sugumar, Danushka S. Weerasekera, **Kithsiri B. Ranawana** and Nadeeka U. Jayawardana 2022. Characterization of mitochondrial 12S rRNA gene of yellow striped chevrotain (*Moschiola kathygre*) and white-spotted chevrotain (*Moschiola meminna*) and development of a PCR-RFLP marker for the unambiguous identification of the species. *Animal Biotechnology*, DOI: 10.1080/10495398.2022.2070183

Kumudu Wijesooriya, Lakshani Weerasekera and **Kithsiri Ranawana**. 2022. Agamid lizard predation by *Macaca sinica* (toque macaque) in Peradeniya, Sri Lanka. *Mammalia*. <https://doi.org/10.1515/mammalia-2022-0014> (Short Note)

Kasun B. Ekanayake, Jonathan Jebamaithran Gnanapragasam, **Kithsiri Ranawana**, Dulan Ranga Vidanapathirana, U. Tiran Abeyawardhana, Chandima Fernando,

Alexandra McQueen, Michael A. Weston, Matthew R. E. Symonds. 2022. Ecological and environmental predictors of escape among birds on a large tropical island. *Behavioral Ecology and Sociobiology* (2022) 76:31

Shashi Madhushanka and **Kithsiri B. Ranawana**. 2022. Rediscovery of Critically Endangered Mangrove *Lumnitzera littorea* (Jack) Voigt (Combretaceae) from Bentota Estuary, Sri Lanka. *World News of Natural Sciences* **40**, 86-90.

Jonathan J Gnanapragasam, Kasun B Ekanayake, **Kithsiri Ranawana**, Matthew R E Symonds, Michael A Weston. 2021. Civil War Is Associated with Longer Escape Distances among Sri Lankan Birds. *Am Nat.* 2021 Nov;198(5):653-659. doi: 10.1086/716660. Epub 2021 Sep 20.

Buddhika Weerakoon, **Kithsiri Ranawana**. 2021. Seasonality and movement patterns of butterflies in an intermediate zone regenerating forest habitat in Sri Lanka. *Arthropods*, 10(4): 120-129.

Galappaththi, M.C.A., Patabendige, S.S., Amarasinghe, **K.B. Ranawana** and W.A.I.P. Karunaratne. 2021. Cochineal Scale *Dactylopius opuntiae* controls *Opuntia dillenii* in Bundala National Park, Sri Lanka. *Ceylon Journal of Science*, **50**(3), 297-301. DOI: <http://doi.org/10.4038/cjs.v50i3.7912>.

Buddhika Weerakoon, **Kithsiri Ranawana**. 2021. Diversity and distribution of butterflies in Maragamuwa forest regeneration study site, Matale, Sri Lanka. *Species*, **22** (69), 118- 124

Gajaba Ellepola, Samitha Harischandra and **Kithsiri B. Ranawana**. 2021. Spatial analysis of geophysical and environmental factors characterize distinct coral reef habitats around Sri Lanka; implications for management. *Ocean and Coastal Management* **210** (2021) 105667.

Sunil Wijethilaka, Lakshani S. Weerasekera, Saumya Bandara and **Kithsiri B. Ranawana**. 2021. Assessment of crop and property damage caused by *Semnopithecus vetulus nestor* (Bennet, 1833) (Mammalia: Primates: Cercopithecidae) in Gampaha District, Sri Lanka. *The Journal of Threatened Taxa* (JoTT), **13** (5): pp. 18141–18147.

Manori Karunaratne, **K.B. Ranawana**, Danushka Weerasekera. 2021. Crop damage by Asian elephant (*Elephas maximus*) in Ekgaloya and Dewalahinda areas in Ampara District, Eastern province, Sri Lanka. *Acta fytotechn zootechn*, **24** (1): 47–54

Lakshani Sewwandi Weerasekera, Kumudu Bandara Wijesooriya, **Kithsiri Bandara Ranawana**, Thilini Anupama and Jayantha Rajapakse. 2021. Gastrointestinal parasites of endemic and endangered free ranging purple-faced leaf monkey (*Semnopithecus vetulus*) in Sri Lanka: effect of host group size and habitat type. *Primates* **62**, 629–635. <https://doi.org/10.1007/s10329-021-00902-0>.

Danushka S. Weerasekera, Subotsina I.A., H.M.S.S. Herath, N.U. Jayawardana, D.K.K. Nanayakkara, S.J. Perera., **K.B. Ranawana**, N.A. Jayasooriya. 2021. Monitoring of Reproduction and Influence of

Fecal Progesterone on Reproductive Cyclicity in Captive Sri Lankan Sambar Deer (*Rusa unicolor unicolor*). Ученые записки УО ВГАБМ, т. 57, вып. 1, 2021 г (*Science Notes*) 136-140. ISSN 2078-0109

Lakshani S. Weerasekara, Kumudu B. Wijesooriya, **Kithsiri B. Ranawana** and Rajnish P. Vandercone. 2021. Survey of relative abundance of diurnal primates in the Giritale Nature Reserve, Sri Lanka. *Asian Primates Journal*, 9 (1): pp 2-9.

Kumudu B. Wijesooriya, Lakshani S. Weerasekara and Kithsiri **B. Ranawana**. 2020. Diversity of scorpions (Arachnida: Scorpiones) in Polonnaruwa Archaeological Reserve, Sri Lanka. *The Journal of Threatened Taxa* (JoTT), **12**, (15), pp. 17121–17128. DOI: 10.11609/jot.6238.12.15.17121-17128

František Štáhlavský, Petr Nguyen, David Sadílek, Jana Štundlová, Pavel Just, Charles R Haddad, Halil Koç, **Kithsiri B Ranawana**, Mark Stockmann, Ersen Aydin Yağmur, František Kovařík. 2020. Evolutionary dynamics of rDNA clusters on chromosomes of buthid scorpions (Chelicerata: Arachnida), *Biological Journal of the Linnean Society*, **131**, (3), pp 547–565. <https://doi.org/10.1093/biolinnean/blaa118>

Danushka S. Weerasekera , Sandun J. Perera , S. Samarasekara Thadhani, N.U. Jayawardana, N. L. Rathnasekara, K.B. Ranawana. 2020. A Preliminary Estimation of the Sambar Deer (*Rusa unicolor unicolor*) Abundance in Horton Plains National Park, Sri Lanka. *Sri Lanka NATURALIST*, X (1-2), 83-87.

Weerasekera, D. S., S. J. Perera , D. K. K. Nanayakkara, H. M. S. S. Herath, A. N. L. Rathnasekara, and **K. B. Ranawana**. 2020. The Antler Cycle and Fecal Testosterone of Male Sambar Deer *Rusa unicolor unicolor* at the Horton Plains National Park in Sri Lanka. *BioMed Research International* Volume, Article ID 6903407, 7 pages. <https://doi.org/10.1155/2020/6903407>

František Kovařík, **Kithsiri B. Ranawana**, V. A. Sanjeewa Jayarathne, David Hoferek and František Štáhlavský. 2019. Scorpions of Sri Lanka (Arachnida: Scorpiones). Part III. *Heterometrus yaleensis* sp. n. (Scorpionidae). *Euscorpius* - Occasional Publications in Scorpiology. **No. 283**.

Maheshini, P.W.D.B., K.G.D.D. Thilakarathne, G.N. Hirimuthugoda, **K.B. Ranawana** and S. Kumburegama. 2019. The distribution of terrestrial pest gastropods and their damage to agricultural crops in Kandy and Nuwara Eliya districts in Sri Lanka. *Ceylon Journal of Science* **48** (2): 177-184

Manoj Prasanna, M.G., **K.B. Ranawana** and K.M.G. Gehan Jayasuriya. 2019. Species composition, abundance and diversity of mangroves in selected sites in Amprara District in the east coast of Sri Lanka. *Ceylon Journal of Science* **48** (2): 169-175.

- Rajakaruna, S.L., **K.B. Ranawana**, A.M.T.A. Gunaratne and H.M.S.P. Madawala. 2019. Change of riparian vegetation from upstream to downstream reaches of a tropical river obstructed by a dam: A case study from Sri Lanka. *Ceylon Journal of Science* **48**(2): 143-153.
- Weerasekara, W. M. L. S. and **K. B. Ranawana**. 2018. Effect of temperature on activity budgets of free ranging Dusky Toque Macaques (*Macaca sinica aurifrons*): A case study from Peradeniya University premises, Sri Lanka. *Ceylon Journal of Science* **47**(1):69-75.
- Reed, T. M., **K. B. Ranawana** and Sanjeewa Jayarathne. 2018. The Early Stages of Vegetation Succession in a Recovering Eucalyptus Plantation: A Case Study from Sri Lanka. *Ceylon Journal of Science* **47**(1): 57-63.
- Kovařík, F., **K.B. Ranawana**, V.A.S. Jayarathne, S. Karunarathna and A. Ullrich. 2018. Scorpions of Sri Lanka (Arachnida, Scorpiones). Part II. Family Hormuridae. *Euscorpius*, **258**: 1-5.
- Chathuranga, W.G.D. and **K.B. Ranawana**. 2017. Spider fauna (Arachnida: Araneae) of upper Hanthana mountain area, central Sri Lanka. *Indian Journal of Arachnology* **6** (1): 1-14
- Rajakaruna, S.L., **K. B. Ranawana**, A. M. T. A. Gunarathne and H. M. S. P. Madawala. 2017. Impacts of river regulation and other anthropogenic activities on floodplain vegetation: A case study from Sri Lanka. *Community Ecology* **18**(2): 203-213.
- Chathuranga, D., and **K.B. Ranawana**. 2017. A preliminary investigation of seed dispersal by elephants (*Elephas maximus maximus*) in Kumaragala Forest Reserve, Matale District, Sri Lanka. *Ceylon Journal of Science* **46** (3): 39-46.
- Aluthwattha, ST., Harrison, RD., **Ranawana, KB.**, Xu, C., Lai, R. and Chen, J. 2017. Does spatial variation in predation pressure modulate selection for aposematism? *Ecology and Evolution* **00**: 1–13.
- Prasanna, M.G.M., **K. B. Ranawana**, K. M. G. G. Jayasuriya, R.H.M.P Abeykoon, and Madawa S. Ranasinghe. 2017. Species distribution, diversity and present status of mangroves in the north and east coasts of Sri Lanka. *WILDLANKA* **5** (3), 090 – 098.
- Ranawana, K.B.**, T. M. Reed and H.W.G.S. Yasarathne. 2017. Seedling establishment and regeneration in a harvested *Eucalyptus* plantation at Maragamuwa, Naula, Sri Lanka. *Ceylon Journal of Science* **46**(1): 103-113
- Weerasekara, W.M.L.S. and **K.B. Ranawana**. Ranging pattern of dusky toque macaques (*Macaca sinica aurifrons*) inhabiting Peradeniya University premises, Sri Lanka. *WILDLANKA* **5**(4):172-184.
- Kovařík, F., G. Lowe, **K. B. Ranawana**, D. Hoferek, V. A. S. Jayarathne, J. Plíšková and F. Šťáhlavský. 2016. Scorpions of Sri Lanka (Scorpiones: Buthidae, Chaerilidae, Scorpionidae) with description of

four new species of the genera *Charmus* Karsch, 1879 and *Reddyanus* Vachon, 1972, stat. n. *Euscorpius*, **220**: 1-133.

Bandara, A.M.R.S. and **K.B. Ranawana**. 2016. Population dynamics of an *Acavus* population in a home garden in Kandy district, Sri Lanka. *WILDLANKA*, 4 (1), 01 –06 (in press).

Aluthwattha, R.G.S.T., **K.B. Ranawana**, A. Dangolla and R. Chandrajith. 2015. Socio-ecological consequences of illegal cattle rearing and its eradication in Bundala National Park, Sri Lanka. *Wetlands Sri Lanka*, 2 (1), 37 -42.

Angammana, N., **K.B. Ranawana**, and Gajaba Ellepola. 2015. Evaluation of damage caused by elephants (*Elephas maximis maximus*) to the woody vegetation in Udawalawe National Park. *WILDLANKA* 2(1), 20 – 30.

Anis, M.U.M., Gajaba Ellepola, **Kithsiri B. Ranawana**. 2015. Brush park fishery targeting ornamental fish in Negombo estuary, Sri Lanka. *International Journal of Fisheries and Aquatic Studies* 2(4), 378-381.

Ekanayake, S.P., **K.B. Ranawana**, Rohana Chandrajith, Sanjeeva Jayaratna and Sanjaya Karunarathna. 2015. Preliminary observations on ecological aspects of Kapurella thermal spring (thermal marsh) at Mahaoya. *Sri Lanka NATURALIST* 1, 3-16.

Gajaba Ellepola and **Kithsiri B. Ranawana**. 2015. Panama lagoon: A unique mangrove ecosystem in the east coast of Sri Lanka. *Wetlands Sri Lanka*, 2 (1), 10 -19.

Gajaba Ellepola, Samitha Harischandra, M.G.G. Danushka and **Kithsiri B. Ranawana**. 2015. Restoring our coral reefs: an experience from Pssikudah, Sri Lanka. *Wetlands Sri Lanka*, 2 (1), 24 – 29.

Sarath Ekanayake, Sanjeeva Jayaratne, Samitha Hraischandra, Sanjaya Karunarathne, Buddika Weerakoon, Kaushalya Mahagedara, Ashan Thudugala and **Kithsiri Ranawana**. 2015. Rediscovery of *Aeginetia indica* L. (Orobanchaceae) from Meegahakiula, Sri Lanka after 125 years. *TAPROBANICA* 7 (2), 101–102.

Senanayake A.M. Kularatne, Nandana P. Dinamithra, Sivapalan Sivansuthan, Kosala G.A.D. Weerakon. Bhanu Thillaimpalam, Vithiya Kalyanasundram, **Kithsiri B. Ranawana**. 2015. Clinico-epidemiology of stings and envenoming of *Hottentotta tamulus* (Scorpiones: Buthidae), the Indian red scorpion from Jaffna Peninsula in northern Sri Lanka. *Toxicon*, 93, 85 99.

Shalini Rajakaruna, Gajaba Ellepola, Thilanka Gunaratne, Sumedha Madawala and **Kithsiri Ranawana**. 2015. Two new localities of the endangered fish *Systomus martenstyni* (Kottelat & Pethiyagoda, 1991) (Teleostei: Cyprinidae) found in Sri Lanka. *Check List* 11(3): Article 1622.

Weerakoon, B.M.B., A.M.R.S. Bandara, **K.B. Ranawana**. 2015. Impact of Canopy Cover on Butterfly Abundance and Diversity in Intermediate Zone Forest of Sri Lanka. *Journal of Tropical Forestry and Environment*, **5** (01): 1-7.

Abeyasinghe, K.R.K., **K.B. Ranawana**, M.G. Eranda Gamage and R.M.R. Nilanthi. 2014. Change detection in vegetation cover of Horton Plains National Park for adaptive management: a practical geoinformatic approach. *Journal of the Department of Wildlife Conservation*, **2**:113-131

Bandara, A.M.R.S, and **Ranawana, K.B.** 2014. A preliminary survey on lesser adjutant (*Leptoptilos javanicus*) in Kumana National Park, Eastern Sri Lanka. *WILDLANKA*, **2**: 59 – 63.

Gajaba Ellepola, **Kithsiri B. Ranawana** and Samitha Harischandra. 2014. Utilization of Fishery Resources in the Panama Lagoon, Ampara District, Sri Lanka. *International Journal of Fisheries and Aquatic Studies*, **1**(5): 32 -37.

Mihindukulasooriya, M.W.D.M., **Kithsiri B. Ranawana**, Jonathan D. Majer. 2014. Comparison of butterfly diversity in natural and regenerating forest in a biodiversity conservation site at Maragamuwa, Sri Lanka. *Journal of Biodiversity and Environmental Sciences (JBES)*. Vol. 5, No. 3, p. 387-391.

Ranawana, K.B. 2014. Forest dieback in Horton Plains National Park. 2014. *WILDLANKA* **2**(1): 103-112

Ekanayake, E.M.L., T. Kapurusinghe, M.M. Saman, D.S. Rathnakumara, P. Samaraweera, **K.B. Ranawana** and R.S. Rajakaruna. 2013. Paternity of the green turtle clutch laid at Kosgoda, Sri Lanka. *Herpetological Conservation and Biology*, **8** (1):27-36.

Kithsiri B. Ranawana, Nandana P. Dinamithra, Sivapalan Sivansuthan, Ironie I. Nagasena, František Kovařík and Senanayake A. M. Kularatne. 2013. First report on *Hottentotta tamulus* (Scorpiones: Buthidae) from Sri Lanka, and its medical significance. *Euscorpius – Occasional Publications in Scorpiology*, No. 155: 8pp.

Pramuditha Devasurendra, **K.B. Ranawana** and Ironee Nagasena. 2013. Bird Diversity in Kumana Marsh. *Wetlands Sri Lanka*, **1** (1), 13-20 (Inaugural Issue).

Rupika S. Rajakaruna, E.M. Lalith Ekanayake, Thusan Kapurusinghe and **K.B. Ranawana**. 2013. Sea turtle hatcheries in Sri Lanka: Their activities and potential contribution to sea turtle conservation. *Indian Ocean Turtle Newsletter*, No.17: 2-11.

Thilina De Silva, **K. B. Ranawana**, Sumudu Fernando and Gajaba Ellepola. 2013. Comparison of avifaunal composition in natural and a regenerating forest; towards using birds as ecological indicators. *Ceylon Journal of Science (Bio. Sci.)* **42** (2): 71-78.

Vandercone R, Premachandra K, Bahar S, Wijethunga G, Dinad C, **Ranawana K.** 2013. Random Walk Analysis of Ranging Patterns of Sympatric Langurs in a Complex Resource Landscape. *American Journal of Primatology*, 9999:1-11.

Rupika S. Rajakaruna, Nayana Wijayatilaka, E.M. Lalith Ekanayake and **K.B. Ranawana.** 2012. Tortoiseshell Trade in Sri Lanka: Is Centuries-old Trade Now History? *Marine Turtle Newsletter*, No. 134: 9-11.

Vandercone, Rajnish. P, Chameera Dinadh, Gayan Wijetunga, **Kithsiri Ranawana** and David T. Rasmussen. 2012. Dietary diversity and food selection in hanuman langurs (*Semnopithecus entellus*) and purple-faced langurs (*Trachypithecus vetelus*) in the Kaludiya Pokuna forest reserve in the dry zone of Sri Lanka. *International Journal of Primatology*, 33:1382–1405.

Kanishka D.B. Ukuwela and **Kithsiri B. Ranawana.** 2011. The presence of *Polypedates cruciger* tadpoles reduces the growth of *Duttaphrynus melanostictus* tadpoles under laboratory conditions. *Herpetology Notes*, 4: 155-158.

Rohana Chandrajith, **K.B. Ranawana** and A.A.C. Priyantha. 2011. Soil geochemical characteristics of Eucalyptus plantations and adjoining natural forest patches in central hilly districts of Sri Lanka. *Journal of the Geological Society of Sri Lanka*, 14: 91-96

Karunaratne, W.A.I.P., J.P. Edirisinghe and **K.B. Ranawana.** 2010. Rapid survey of damage due to gall wasp infestation in a coppiced *Eucalyptus camaldulensis* plantation in Maragamuwa, Naula in the Matale District of Sri Lanka. *Ceylon Journal of Science (Bio. Sci.)* 39 (2): 157- 161.

Devi, J.S.S., M.M. Goonasekera, and **K.B. Ranawana.** 2010. Comparison of land snail diversity in selected habitats of Mihintale Sanctuary, Sri Lanka. *Biological Diversity of Mihintale: With Special reference to its Herpetofauna, Lyriocephalus Special Issue*, 7 (1 & 2): 137-141.

Rohana Chandrajith, Nadeesha Koralegedara, **K.B. Ranawana**, H.J. Tobschall and C.B. Dissanayake. 2009. Major and trace elements in plants and soils in Horton Plains National Park, Sri Lanka: an approach to explain forest die back. *Environ. Geol.*, 57: 17 -28.

Rupika S. Rajakaruna, D.M. Naveen J. Dissanayake, E.M. Lalith Ekanayake & **Kithsiri B. Ranawana** . 2009. Sea turtle conservation in Sri Lanka: assessment of knowledge, attitude and prevalence of consumptive use of turtle products among coastal communities. *Indian Ocean Turtle Newsletter* 10: 13 pp.

Timothy Reed, **Kithsiri Ranawana** and Anslem Nanayakkara. 2009. Methods tested, and their costs to control re-growth of coppiced *Eucalyptus camaldulensis* in harvested plantations in Naula, Matale district, Sri Lanka. *Ceylon Journal of Science (Bio. Sci.)* 38 (2): 75-82.

Kushani Mahaantila, Rohana Chandrajith, H.A.H. Jayasena and **K.B. Ranawana**. 2008. Spatial and temporal changes of hydrogeochemistry in ancient tank cascade system in Sri Lanka: evidence for constructed wetland. *Water and Environment Journal*, 22: 17 -24.

Rajakaruna, R.S., V.A.M.P.K. Samarawickrama, and **K.B. Ranawana**. 2007. Amphibian declines and possible etiologies: the case for Sri Lanka. *Journal of National Science Foundation Sri Lanka*, 35 (1): 3 -8.

Alahakoon, A.M.D.B., T. Sivananthawerl and **K.B Ranawana**. 2006. Floristic diversity under an *Eucalyptus camaldulensis* plantation in Naula, Matale. *The Sri Lanka Forester*, 29 (New Series): 69 - 92.

Rajapaksha, D.R.N.S., V.A.M.P.K. Samarawickrama, and **K.B. Ranawana**. 2006. Herpatofaunal diversity in Dotulugla Man and Biosphere Reserve, of the Knuckles Forest Range, Sri Lanka. *Russian Journal of Herpetology*, 13 (2): 120 – 134.

Samarawickrama, V. A. M. P. K., **K. B. Ranawana**, D. R. N. S. Rajapaksha, Natalia B. Ananjeva, Nikolai L. Orlov, J. M. A. S. Ranasinghe, and V. A. P. Samarawickrama. 2006. A new species of the Genus *Cophotis* (Squamata: Agamidae: Agamininae) from Sri Lanka. *Russian Journal of Herpetology*, 13 (3): 207 -214.

Samarawickrama, V.A.M.P.K, **K.B. Ranawana**, and V.A.P. Samarawickrama. 2006. Observation on the nesting of the brown wood owl, *Strix leptogrammica ochrogenys* in Gannoruwa Forest Reserve, Sri Lanka. *Ceylon Journal of Science (Biological Science)*, 35 (1): 73 – 78.

Samarawickrama. V.A.M.P.K., Rajapaksha, D.R.N.S. and **Ranawana, K.B.** 2006. Faunal diversity in the Dotulugala Man and Biosphere reserve in the Knuckles Forest Range. *The Sri Lanka Forester*, 29 (New Series): 01 – 22.

Anslem de Silva, **K.B. Ranawana** and Suraj Goonewardene. 2005. Some observation of the mollusca of the Knuckles Massif. *Lyriocephalus Special Issue*, 6 (1): 179 – 182.

Fred Naggs, Dinarzarde Raheem, **Kithsiri Ranawana** and Yasantha Mapatuna. 2005. The Darwin Initiative Project on Sri Lankan Land Snails: Patterns of diversity in Sri Lankan forests. *The Raffles Bulletin of Zoology*, Supplement No.12: 23 -29.

Samaravickrama, V.A.M.P.K., M.D.B.G. Janananda, **K.B. Ranawana** and Andrew Smith. 2005. Study of the distribution of the genus *Poecilotheria* of the family Theraphosidae in Sri Lanka. *Ceylon Journal of Science (Biological Sciences)* 34: 75 –86.

Bambaradeniya C.N.B., Edirisinghe J.P., De Silva D.N., Gunatilleke C.V.S., **Ranawana K.B.**, Wijekoon S. 2004. Biodiversity associated with an irrigated rice agro-ecosystem in Sri Lanka. *Biodiversity and Conservation*, 13 (9): 1715-1753.

Lalith Ekanayake, E.M., **K.B. Ranawana**, T. Kapurusinghe, M.C.G. Premakumara and M.M. Saman. 2002. Marine turtle conservation in Rekawa turtle rookery in southern Sri Lanka. *Ceylon Journal of Science* (Biological Sciences), 30: 79 -88.

Lalith Ekanayake, E.M., **K.B. Ranawana**, T. Kapurusinghe, M.C.G. Premakumara and M.M. Saman. 2002. Impact of lunar cycle on nesting behaviour of marine turtles. *Ceylon Journal of Science* (Biological Sciences), 30: 99 – 104.

Veranja Karunaratne, Karunananda Bombuwela, Selvaluxmy Kathirgamanathar, Vijaya Kumar, D. Needra Karunaratne, **K.B. Ranawana**, D.S.A. Wijesundara, Aruna Weerasooriya and E.D. De. Silva. 2002. An association between the butterfly *Talica niseus* and the lichen *Leproloma sipmanianum* as evidenced from chemical studies. *Current Science*, 83 (6): 741 – 745.

Jayasundara, J.W.K.K, M.D. Amarasinghe, and **K.B. Ranawana**. 1999. Mangrove vegetation structure and the abundance of shrimps in Chilaw Lagoon, Sri Lanka. *Sri Lanka Journal of Aquatic Science*, 4: 69-81.

Karunaratne, S.H.P.P, and **K.B. Ranawana**. 1999. A preliminary study of feeding activity patterns and budgets of domestic elephants (*Elephas maximus maximus*) in Sri Lanka. *Ceylon Journal of Science*, Biological Sciences, 27 (1): 61-65.

Parakrama Karunaratne, S.H.P. and **Kithsiri B. Ranawana**. 1998. A preliminary study of the Food preference of domesticated elephants (*Elephas maximus* L) in Sri Lanka. *Ceylon Journal of Science* (Biological Sciences), **25**:56-64.

Ranawana, K.B. and C.N.B. Bambaradeniya. 1998. Species composition, status and feeding ecology of avifauna in high altitude forests of Sri Lanka. *Journal of the Bombay Natural History Society*, **95**(3): 392 – 407.

Ranawana, K.B., C.N.B. Bambaradeniya, T.D. Bogahawatta, and F.P. Amarasinghe. 1998. A preliminary survey of the food habits of the Sri Lankan leopard (*Panthera pardus fusca*) in the three montane wet zone forests of Sri Lanka. *Ceylon Journal of Science* (Biological Sciences) **25**:65-71.

Bambaradeniya, C.N.B, P.K. Samarawickrama and **K.B. Ranawana**. 1997. Some observations on the natural history of *Lyriocephalus scutatus* (Reptilia: Agamidae). *Lyriocephalus*, **3** (1): 25-28.

Bambaradeniya, C.N.B. and **K.B. Ranawana**. 1996. The swallowtail butterflies of Sri Lanka - A plea for their conservation. *Loris XXI* (2): 33 – 36

PRESENTATIONS AT NATIONAL / INTERNATIONAL CONFERENCES

Published as full papers

K.B. Ranawana and Ironie Nagasena. 2013. Present status of land snail diversity in Sri Lanka. 2013. *Proceedings of the National Symposium on Soil Biodiversity*, 44-52pp.

H.M.A.B. Herath, **K.B. Ranawana** and G.W.A.R. Fernando. 2012. Forest die-back at Rajawaka Forest Reserve at Balangoda: Results of Preliminary Observations. *Annual Academic Sessions Open University of Sri Lanka*, 222-225 (ISSN 2012-9912).

Naggs F., D. C. Raheem, P. B. Mordan, B. Grimm, **K. B. Ranawana**, and N. P. S. Kumburegama. 2003. Ancient relicts and contemporary exotics: faunal change and survivorship in Sri Lanka's snail fauna. Slugs & Snails: Agricultural, Veterinary & Environmental Perspectives. *British Crop Protection Council, Symposium Proceedings* No. 80: 103 -108.

Bambaradeniya, C.N.B. and **K.B. Ranawana**. 1998. Some amphibians observed in three montane zone forests of Sri Lanka and their habitats, p. 108 - 113. In A. de Silva (ed.) *Biology and conservation of the amphibians and reptiles and their habitats in South Asia*. Amphibian and Reptile Research Organization of Sri Lanka.

Channa N.B. Bambaradeniya, and **Kithsiri B. Ranawana**. 1998. Composition of vertebrate fauna in three montane zone protected areas of Sri Lanka, pp. 248 – 262. In H.S.Amarasekera, D.M.S.H.K. Ranasinghe and W. Finlayson (eds), *Proceedings of the Second Annual Forestry Symposium 1996: Management and Sustainable Utilization of Forest Resources, Sri Lanka*. Published by Department of Forestry and Environmental Science, University of Sri Jayawardenapura, Sri Lanka.

Ranawana, K.B., and C.N.B. Bambaradeniya. 1998. Agamid lizards in three montane zone protected areas of Sri Lanka, p. 261 – 167. In A. de Silva (ed.) *Biology and conservation of the amphibians, Reptiles and their habitats in South Asia*. Amphibian and Reptile Research Organization of Sri Lanka.

Research Publications in Non-Refereed Journals

Ranawana, K.B. and G.N. Hirimuthugoda. 2015. Conservation and sustainable use of indigenous freshwater aquarium fish species in Sri Lanka (in Sinhala). '*Medarata Min Visituru*' Published by the Central Province Ministry of Agriculture and Fisheries, Sri Lanka, 19 – 21.

BOOKS

Ranawana, K.B., S.P. Ekanayake and V.A. Sanjeewa Jayarathne. 2023. An Ecological Profile of Salt Marshes in Mannar District, Sri Lanka. Ecological Association of Sri Lanka, vi+66pp (ISBN 978-624-5644-01-8).

Buddika Weerakoon, **Kihisiri Ranawana** and Senaka De Fonseka. 2021. A Photographic Guide to Butterflies of Maragamuwa Forest Regenerating Study Site. Outreach Projects (Guarantee) Limited, pp 68 (ISBN 978-624-5940-004)

Ranawana, K.B., Wickramagama, P., Ekanayake, S.P., Kumarihami, K., Jayathillake, C., Jayarathna, S. and Karunarathna, S. 2020. Atlas of Mangroves, Salt Marshes and Sand Dunes of the Coastal Area from Malwathu Oya to Pooneryn in the Northwestern Coastal Region, Sri Lanka, Ecological Association of Sri Lanka, Peradeniya, Sri Lanka, xvi + 90pp (978-624-5644-00-1).

K.B.Ranawana and V.A. Sanjeewa Jayarathna. 2016. Flowers of Horton Plains. Diesel and Motor Engineering, PLC. , Sri Lanka, xxx + 110 pp. (ISBN 978-955-4020-00-9).

Manoj Prasanna, M.G. and **Ranawana, K.B.** 2014. Guide to Mangroves of Sri Lanka. Biodiversity Secretariat, Ministry of Environment & Renewable Energy, 70pp (ISBN 978-955-0033-77-5).

Ranawana, K.B., A.M.D.B. Alahakoon, Anslem Nanayakkara and Dinesh Ekanayake. 2010. Guide to Common Plants in CTC Biodiversity Conservation Site, Maragamuwa. Ceylon Tobacco Company PLC, xviii + 38pp (ISBN 978-955-53035-0-7).

Mihindukulasooriya, M.W.D.M., **K.B. Ranawana**, A.M.D.B. Alahakoon, and Senaka De Fonseka. 2010. A Guide to Butterflies in CTC Biodiversity Conservation Site at Maragamuwa, Sri Lanka. Ceylon Tobacco Company PLC , v + 43 pp (ISBN – 978-955-9383-02-4).

Ranawana, K.B. 2007. Seasonal variation in availability and palatability of food plants for herbivores in Udawalawe National Park. Department of Wildlife Conservation, Sri Lanka (ISBN 978-955-1580-23-0)

Ranawana, K.B. and M.G. Manoj Prasanna. 2007. A field guide to the mangroves of Sri Lanka. Biodiversity Secretariat, Ministry of Environment and Natural Resources: 54pp (ISBN 978-955-9120 83 4).

Ranawana, K.B., R. Chandrajith, and N.K.B. Adikaram. 2007. Follow up studies in forest dieback in Horton Plains National Park. Department of Wildlife Conservation, Sri Lanka (ISBN 978-955-1580-16-2)

Adikaram, N.K.B., **K.B. Ranawana**, and Aruna Weerasuriya. 2006. Forest dieback in Horton Plains National Park. Department of Wildlife Conservation, Sri Lanka: 54pp (ISBN 95501580-001).

Madduma Bandara, C.M., Nimal Perera, Kushan Tennakoon, **Ranawana, K.B.**, Herath, H.M.D.R., Wickramaratne, S.N. 2006. Chapter Report on Biodiversity Dimensions in Traditional Knowledge and Life Styles: Addendum to the Biodiversity Conservation in Sri Lanka – A Framework for Action. The Biodiversity Secretariat, Ministry of Environment, Sri Lanka: 47pp. (ISBN 955-9120-59-X).

Wijesundara, D.S.A., Jayasuriya, A.H.M., Perera, H.A.N.T., Arjan Rajasuriya, **Ranawana, K.B.** 2006. Chapter Report on Ex Situ Conservation: Addendum to the Biodiversity Conservation in Sri Lanka – A Framework for Action. The Biodiversity Secretariat, Ministry of Environment and Natural Resources, Sri Lanka: 27pp. (ISBN 955-9120-45-X)

Peter Morden, Fred Naggs, **Kithsiri Ranawana**, Shalika Kumburegama, and Brigitte Grimm. 2003. A guide to the PEST and EXOTIC GASTROPODS of SRI LANKA. Department of Zoology, Natural History Museum, London: Ten Page Folding Guide.

CHAPTERS IN BOOKS

Ranawana, K. B. and T. G. M. Priyadarshana. 2012. The Taxonomy and Conservation Status of Land Snails in Sri Lanka. In: The National Red List 2012 of Sri Lanka; Conservation Status of Fauna and Flora. Weerakoon, D.K. and S. Wijesundara Eds., Ministry of Environment, Colombo, Sri Lanka, 65 -76.

K. B. Ranawana, Ironie Indeewarie Nagasena and V.A.M.P.K. Samarawickrama. 2011. Medically Important Spiders in Sri Lanka. In: Medically Important Ants, Bees, Wasps & Spiders, pp 89 – 122 (Chapter 7). Published by Dr. Ashoka Ratnatilaka, (ISBN 978-955– 53573- 0-2).

Ranawana, K.B. 2006. Fisheries and Aquaculture. In: Supplementary Guide for GCE Advanced Level Biology (Unit 8 – Applied Biology). Chapter 1, pp 1-22. Postgraduate Institute of Science, University of Peradeniya & National Institute of Education, Sri Lanka (ISBN 955-8787-02-7).

Ranawana, K.B. 2006. Land snails in Sri Lanka. In: Fauna of Sri Lanka: Status of Taxonomy, Research and Conservation, ed. by C.N.B Bambaradeniya pp 84 – 99. The World Conservation Union, Colombo, Sri Lanka & Government of Sri Lanka, viii + 308pp. (ISBN 955-8177-51-2).

Balasubramaniam, S., **K.B. Ranawana**, and M. Popp. 1992. Mineral content and low molecular weight carbohydrates of leaflets of the mangrove fern *Acrostichum aureum* L. In: *Aspects of Plant Sciences, Vol. 14, Perspectives in Pteridology: Present and Future*, ed. by T.N. Bhardwaja and C.B. Gena pp, 445 - 450. Today and Tomorrow's Printers and Publishers, New Delhi, India (ISBN 81 70194 13X).

RESEARCH GRANTS RECEIVED

2020 – 2021 Population Structure and herbivory of sambar deer (*Rusa unicolor unicolor*) in Horton Plains National Park, Sri Lanka (PGIS/2020/22).

2020 – 2021 Biochemical Assessment of Quality of Feeding Resources and milk of cattle depend on salt marsh pastures in Mannar, Sri Lanka (NSF/SCH/2019/09) (co-investigator).

- 2017 -2019 Distribution of terrestrial gastropod pests, their seasonal abundance and degree of damage to crops in agricultural land in Nuwara Eliya. National Science Foundation. (NSF) RG/2017/EB/05) (co investigator).
2016. Assessment of faunal diversity in Forest Regeneration Study Site (FRSS) at Maragamuwa, Naula. (URG/2016/87/S).
- 2013 – 2014. IUCN / Mangroves for the Future (MFF) / Small Grants Facility (SGF) Projects. Evaluation of mangrove vegetation distribution, fishery and water quality in Nayar lagoon for the sustainable management of lagoon ecosystem. MFF/96.
2012. IUCN / Mangroves for the Future (MFF) / Small Grants Facility (SGF) Projects. Mangrove species composition, diversity and related fishery in lagoon/estuarine systems in Pottuvil- Panama coastal stretch in the east coast of Sri Lanka. MFF /68.
2011. IUCN / Mangroves for the Future (MFF) / Small Grants Facility (SGF) Projects. Ecological study of mangroves in Panama, Helawa and Okanda lagoons in the east coast of Sri Lanka. MFF / 06.
2008. Department of Wildlife Conservation, Sri Lanka Research Grant. Ecology of the threatened point endemic mollusk *Ravana Politissima* and development of a recovery plan. WCP/DWC/RG/05.
2006. Department of Wildlife Conservation, Sri Lanka Research Grant. Follow up study of Forest dieback in Horton Plains National Park. AM&WCP/DWC/Research/13.
2005. Department of Wildlife Conservation, Sri Lanka Research Grant. Seasonal variation in availability and palatability of food plants for herbivores in Udawalawa National Park. PAM & WCP / DWC / Research / 01.
- 2005-2012 Forest regeneration in a harvested eucalypt plantation in Maragamuwa, Matale district. Research funded by Ceylon Tobacco Company, British American Tobacco – and Fauna & Flora International, UK
- 2005 - 2008. NSF Research Grant –. Genetic diversity and nest paternity of the green turtle (*Chelonia mydas*) populations in Sri Lanka. SIDA/2005/BT/01
2002. Patterns of distribution and ecology of land snails in the Knuckles region, Sri Lanka Peradeniya University Research Grant. RG/2002/C-1/69/S
2001. Peradeniya University Research Grant. Patterns of distribution and ecology of land snails in the Knuckles region, Sri Lanka. RG/2002/C-1/69/.

1999. Peradeniya University Research Grant. Nutritional ecology of sambar (*Cervus unicolor*) in the Horton Plains National Park. RG/99/74/S.
1998. PGIS Research Grant. Species composition and habitat occupation of vertebrate & some invertebrate fauna of the Peak Wilderness Sanctuary, Sri Lanka. PGIS/RG/03/98.
1997. PGIS Research Grant. Faunal Diversity in Knuckles region. PGIS/RG/8/97.
1997. Peradeniya University Research Grant. Faunal survey of Peradeniya University Land. RG/97/24/S.
- 1995 - 1997. NARESA Research Grant. Gap regeneration in mangrove ecosystem. RG/95/B/1.
- 1997 -1998. Department of Wildlife Conservation, Sri Lanka Research Grant. Forest dieback in Horton Plains National Park.
1996. Peradeniya University Research Grant. Afforestation and rehabilitation of *Imperata* (Illuk) Grasslands in Hantana Range. RG/96/C47/S.
- 1995 - 1996. Department of Wildlife Conservation, Sri Lanka Research Grant. Resource Inventory Survey of Victoria – Randenigala – Rantambe Sanctuary.
1995. Peradeniya University Research Grant. Afforestation and rehabilitation of *Imperata* (Illuk) Grasslands in Hantana Range RG/95/72/S.
1988. Peradeniya University Research Grant. Mangrove ecology with special reference to mangrove fauna. RG/59/88/S.

SUPERVISION OF POSTGRADUATE STUDENTS

Ph.D (completed)

Weerasekara, W.M.D.S. 2024. Ecology of sambar (*Rusa unicolor unicolor*) in Horton Plains National Park, Sri Lanka. Postgraduate Institute of Science, University of Peradeniya (Major supervisor)

Prasanna, M. G. M. 2019. Community Structure and Function in Lagoon Fringing and Estuarine Mangroves from Pottuvil to Okanda in the East Coast of Sri Lanka. Ph. D. Postgraduate Institute of Science, University of Peradeniya (Major supervisor).

Rajakaruna, S. L. 2017. Effect of Mahaweli Diversion scheme on the biodiversity of riverine vegetation and some aquatic fauna in selected locations of Mahaweli Downstream areas. Ph. D. Postgraduate Institute of Science, University of Peradeniya (co supervisor).

Ekanayake, E.M.L. 2012. Genetic diversity and nest paternity of the green turtle (*Chelonia mydas*) populations in Sri Lanka. Ph. D. Postgraduate Institute of Science, University of Peradeniya (co supervisor).

Fernando, R.H.S.S. 2011. Biodiversity of ecological communities and the biogeography of their species in three isolated hills in Sri Lanka. Ph. D. Postgraduate Institute of Science University of Peradeniya (co supervisor).

M.Phil (completed)

W.M.L.S. Weerasekara. 2023. Feeding, ranging and sexual behavior of free ranging *Macaca sinica* ssp. *aurifrons* (Dusky Toque Macaque) inhabiting lower Hantana, Sri Lanka.

K.G.D.D. Thilakarathne. 2021. Distribution of terrestrial gastropod pests, their seasonal abundance and degree of damage to crops in agricultural lands in the Nuwara Eliya District. Postgraduate Institute of Science, University of Peradeniya (co-supervisor).

Gajaba Ellepola. 2017. Distribution patterns and diversity of coral reef fishes in Passikudah bay Sri Lanka. Postgraduate Institute of Science, University of Peradeniya.

Weerakoon, W.M.B.M.B. 2017. Abundance, Diversity and Distribution of a community of butterflies in an early and late secondary forest in Maragamuwa forest regeneration study site, Sri Lanka. Postgraduate Institute of Science, University of Peradeniya

Mahatantila, W.D.K. 2007. Spatial and temporal variations of hydrogeochemistry in ancient tank cascade systems in Sri Lanka: Evidence for a constructed wetland. Postgraduate Institute of Science, University of Peradeniya (co supervisor).

Ekanayake, E.M.L. 2002. Nest site fidelity and nesting behaviour of marine turtles in Rekawa turtle rookery, Sri Lanka. Postgraduate Institute of Science, University of Peradeniya.

M.Sc. (completed)

B. H. S. M. Gunawardana. 2023. Conservation status and assessment of the crop damage caused by hog deer *Axis porcinus* (Zimmernann, 1780) in Galle District, Southwestern Sri Lanka. Postgraduate Institute of Science, University of Peradeniya.

Miharan Medawala. 2023. Application of four body condition scoring indices to assess the wellbeing of Asian elephant (*Elephas maximus maximus*) at Pinnawala elephant orphanage Sri Lanka. Postgraduate Institute of Science, University of Peradeniya, ix+55pp.

Vijethilaka, R. 2016. Study of mangrove leaf herbivory in Chilaw Lagoon, Sri Lanka. M. Sc. (Environmental Science), Postgraduate Institute of Science, University of Peradeniya, x+49pp.

Wijethilaka, W.P.S. 2015. Crop and property damages caused by Western purple-faced langur (*Trachypithecus vetulus nestor*) in villages bordering Danawkanda Forest in Gampaha

District, Sri Lanka. M. Sc. (Environmental Science), Postgraduate Institute of Science, University of Peradeniya, x+37pp.

Abayasinghe, K. R. K. 2014. Change detection in vegetation cover of Horton Plains National Park for adaptive management: a practical geoinformatics approach. M. Sc. (GIS and Remote Sensing). Postgraduate Institute of Science, University of Peradeniya, xi+90pp.

Jayasundara, J.M.D.B. 2013. Present status of the distribution and abundance of four cyprinid fish species introduced to the upper Mahaweli river basin thirty years ago. M. Sc. (Environmental Science). Open University of Sri Lanka.

Karunarathna, K.A.N.K. 2013. Statistical Analysis of Distribution of Land Snails in Knuckles Forest Range, Sri Lanka. M.Sc. (Applied Statistics). Postgraduate Institute of Science, University of Peradeniya, ix+85pp. (co supervisor).

Herath, H. M. A. B. 2012. Forest dieback in Rajawaka Forest Reserve. M. Sc. (Environmental Science). Postgraduate Institute of Science, University of Peradeniya, vi+65pp.

Jayasinghe, C. A . 2011. Evaluating the Success of Translocating Problem Elephants to Mitigate Human-Elephant Conflict in North Western Wildlife Region in Sri Lanka. M.Sc. (Environmental Science) Postgraduate Institute of Science, University of Peradeniya, xiv + 87pp.

Pramuditha Dewasurendra. 2011. Birds Diversity in Kumana Marsh in the Kumana National Park, Sri Lanka. M.Sc. (Environmental Science) Postgraduate Institute of Science, University of Peradeniya, xi+62pp.

Karunarathne, K. H. D. M. 2011. Crop damage by Asian elephants in Ekgaloya and Dewallehinda areas in Amapara, eastern province in Sri Lanka. M.Sc. (Environmental Science) Postgraduate Institute of Science, University of Peradeniya, xi+64pp.

Manoj Prasanna, M.G. 2008. Species composition and diversity of mangroves in Madu Ganga mangal. M.Sc. Postgraduate Institute of Science, University of Peradeniya.

Mahinda Dissanayake, K.M.D. 2004. Distribution, ecology and taxonomy of apple snails of the Genus *Pomacea* in the wet zone of Sri Lanka. M.Sc. Postgraduate Institute of Science, University of Peradeniya.

Udeni Pushpalatha, W.R.D.M. 2003. An ecological study of grasslands at Horton Plains National Park. M.Sc. Postgraduate Institute of Science, University of Peradeniya.

Nayana Damayanthi Wijeratne, . E. M. 2002. Human-Macaque conflict in the vicinity of the Udawattakale Sanctuary, Kandy, Sri Lanka. M.Sc. Postgraduate Institute of Agriculture, University of Peradeniya.

Chandani Kumarasinghe. 2000. Study of the distribution and abundance of key mangrove plant species in Pambala Mangal. M.Sc. Postgraduate Institute of Science, University of Peradeniya.

Santhiapillai Augustine. 1999. Fishermen acceptance of management methods for a sustainable export of mud crab *Scylla serrata* (Forsk.) in Kalpitiya, Sri Lanka. M.Sc. Postgraduate Institute of Agriculture, University of Peradeniya.

Paranagama, D. G. 1998. Driving elephants from Handapangala to Yala National Park from human_elephant conflict resolution: Economic analysis and ecological assessment. M.Sc. (Natural Resource management) Postgraduate Institute of Agriculture, University of Peradeniya.

Postgraduate Diploma (Completed)

Jayasekara, A. M. S. M. R. W. 2013. Land Snail Fauna in Kanneliya Forest Reserve and their Conservation. Postgraduate Diploma in Environment Management, University of Colombo, iv+32pp.

ON-GOING POSTGRADUATE STUDENT PROJECTS

M.Phil.

G. Madushika M. Kumari (from January 2020). Biochemical Assessment of Quality of Feeding Resources and Milk of Cattle Depend on Saltmarsh Pastures in Mannar, Sri Lanka. Postgraduate Institute of Science, University of Peradeniya (co-supervisor) (Thesis under evaluation)

S. S. K. Samarasekara Thadhani (from January 2020). Ecology of Old-World Porcupine (*Histrix indica*) at Udawattekele Reserve Forest, Sri Lanka. Postgraduate Institute of Science, University of Peradeniya (co-supervisor).

Pramuditha Devasurendra. (from January 2024). Factors responsible for causing injuries to critically endangered *Semnopithecus vetulus* spp. *nestor* (Western Purple-Faced Leaf Monkey) and monitoring their recovery and rehabilitation in the Western Province of Sri Lanka. Postgraduate Institute of Science, University of Peradeniya (Major supervisor).

EXAMINATION OF POSTGRADUATE THESIS

External Examiner for M. Phil. Thesis

Bharathy Ponnaiah. 2019. Quantifying landscape fragmentation and land use changes for assessing human-wildlife conflicts in Northern Province of Sri Lanka. M.Phil. in Geography. University of Jaffna, Sri Lanka

Nilani, Kanesharatnam. 2018. Molecular phylogeny revision of tribe Chrysillini including selected jumpider genera (Family: Salticidae) from Sri Lanka. M. Phil. in Zoological Sciences, Postgraduate Institute of Science, University of Peradeniya.

Gayashan, M.A. 2017. Preparation of a national collection and evaluation of the current distribution and species diversity of regular and irregular echinoids (Phylum: Echinodermata, Class: Echinoidea) in Sri Lanka and determining the diet composition of *Stomopneustes variolaris*. M.Phil. in Aquaculture and Fisheries, Wayamba University of Sri Lanka.

Rajapaksha, A.C.D. 2017. Biological and taxonomic survey on fruit borer in mangrove apple *Sonneratia caseolaris* (L.) Engl, and a search for possible biological control measures. M.Phil. in Zoology. University of Ruhuna, Sri Lanka

Ranasinghe, U.G.S.L. 2017. Molecular phylogeny of Goblin spiders with a revision of Aprusia, Brignolia and Xestaspis (Araneae: Oonopidae) of Sri Lanka. M. Phil. in Zoological Sciences, Postgraduate Institute of Science, University of Peradeniya.

Gamage, S.N. 2007. A comparative study on biodiversity of selected man-made and natural habitats in low country wet zone of Sri Lanka. M. Phil. University of Ruhuna, Sri Lanka.

Liyanage, W.K.D.D. 2007. Faunal diversity in rice fields under organic and inorganic based farming systems in wet zone of Sri Lanka. M. Phil. University of Ruhuna, Sri Lanka.

External Examiner for M.Sc. Thesis

Sisira Bandara Wanninayake. 2012. A study of human elephant conflict in Kuranegala district. M.Sc. (Disaster Management). Postgraduate Institute of Science, University of Peradeniya.

Lalith Kumara Bandara Abeykoon, A.M.G.G. 2011. Conservation Importance of Semi-Evergreen Seasonal Forest of Galamuduna Area in Knuckles. M.Sc. (Environmental Science). Postgraduate Institute of Science, University of Peradeniya.

Poornima Priyanjalee Jayalath. 2011. Evaluating the impact of capture and translocation of trouble making toque monkey troops in Mahakanda village, as a tool of mitigating the Human-Macaque conflict. M.Sc. (Environmental Science). Postgraduate Institute of Science, University of Peradeniya.

Wijetunga, M. U. I. 2011. A comparative study on avifaunal diversity in two selected seasonal reservoirs at Kurunegala district. M.Sc. (Environmental Science). Postgraduate Institute of Science, University of Peradeniya.

Research Assignments During Sabbatical

Consultant Ecologist, "Plant a Coral Project" Wildlife Research & Conservation Trust (WRCT), Sri Lanka (February 2013 to April 2014)

Team Leader, "Study of Salt Marshes and Mangroves of the Coastal Area from Malwathu Oya to Pooneryn in the Northwestern Coastal Region, Sri Lanka". Ecological Association of Sri Lanka (EASL) (October 2018 to March 2020).

CURRENT RESEARCH

- Updating Baseline and Landscape Strategies and Capacity Building of CSOs/CBOs in Knuckles Conservation Forest and its Buffer Zone (from January 2021) (UNDP-GEF-SGP, project)
- Distribution, abundance and diversity of mangrove fauna in Sri Lanka (Turtle Conservation Project-Sri Lanka (TCPSL) project)
- eDNA metabarcoding of mangrove fauna (eDNA Society, University of the Ryukyus, Japan)

PROFESSIONAL MEMBERSHIPS

Life member – Institute of Biology, Sri Lanka

Life Member – Wildlife and Nature Protection Society of Sri Lanka

Member – eDNA Society, University of the Ryukyus, Japan

❖ More than 150 research communications (not listed)

Name: K.B. Ranawana

Signature:

