Curriculum Vitae



MADUWAGE Kalana Prasad MBBS, MPhil, Ph.D.

Senior Lecturer, Department of Biochemistry, Faculty of Medicine, University of Peradeniya, Peradeniya, 20400, Sri Lanka

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https://scholar.google.com/citations?user=lf3F3OsAAAAJ&hl=en

https://www.researchgate.net/profile/Kalana Maduwage

Google Scholar Citations: Total no of citations: 474, h-index 13 (May 2017)

Residence: 129 / A3, Kurunduwatta Road, Angunawala, Peradeniya. Sri Lanka.

Date of Birth: 5th November 1980

Nationality: Sri Lankan

Gender: Male
Mother language: Sinhala
Second language: English
Marital status: Married

Career Track

Oct 2009-Present:

Senior Lecturer, Department of Biochemistry, Faculty of Medicine, University of Peradeniya, Peradeniya, Sri Lanka.

Dec 2016-Present: Consultant on snake envenoming research and for Animal Venom Research International (AVRI), USA.

Jan 2012-June 2016:

PhD (Clinical Pharmacology) candidate, School of Medicine and Public Health, Faculty of Health, University of Newcastle, NSW, Australia.

2015-2016:

Academic Member, Clinical Toxicology Research Group, School of Medicine and Public Health, Faculty of Health, University of Newcastle, NSW, Australia.

June 2016-present:

Module coordinator, "Integrated Applied Medicine 1 and Integrated Applied Medicine 2" Faculty of Medicine, University of Peradeniya, Peradeniya, Sri Lanka.

Jan 2013-Feb 2016:

Casual academic tutor, Year 2 and year 3 Biomedical Sciences, University of Newcastle, NSW, Australia

July 2009 to present:

Registered Medical Practitioner at Sri Lankan Medical Council (SLMC) of Sri Lanka, SLMC Reg no. 24586.

July 2008-Jan 2009:

Intern Medical Officer, Obstetrics and Gynaecology, Teaching Hospital, Peradeniya, Sri Lanka.

Jan 2009-July 2009:

Intern Medical Officer, Paediatrics, Sirimavo Bandaranayaka Specialized Children's Hospital, Peradeniya, Sri Lanka.

June 2007-June 2008:

Research associate, Wildlife Heritage Trust of Sri Lanka.

Tertiary Education, Postgraduates and Training

2016. Doctor of Philosophy (Ph.D.)

PhD (Clinical Pharmacology), Faculty of Health, School of Medicine and Public Health, University of Newcastle, NSW, Australia.

Title of study: Investigation of coagulant effects of Sri Lankan venomous snakes and efficacy of antivenoms. Supervisors: Professor: Geoffrey Kennedy Isbister (Clinical Toxicology Research Group, Newcastle University) and Professor Wayne Hodgson (Monash Venom Group, Department of Pharmacology, Monash University).

2011. Master of Philosophy (MPhil):

University of Peradeniya, Peradeniya, Sri Lanka.

Title of study: Systematics, venom characteristics and clinical features following envenomation by Sri Lankan hump-nosed vipers. Supervisors: Professor Indika Gawarammana (University of Peradeniya), Professor Geoffrey Kennedy Isbister (University of Newcastle), Rohan Pethiyagoda (Wildlife Heritage Trust of Sri Lanka).

2007. Bachelor of Medicine and Bachelor of surgery (MBBS):

University of Peradeniya, Sri Lanka.

Second Class in 2nd MBBS, 3rd MBBS with distinctions in Parasitology and Pathology.

B. H. Aluvihare Award in Surgery for Final MBBS.

May-July 2010 Research Trainee:

Department of Clinical pharmacology and Toxicology, New Castle Mater hospital, University of Newcastle, NSW, Australia.

June-July 2008 Research Trainee:

Monash venom Group, Department of Pharmacology, Monash University, Melbourne, Australia.

Sept-Oct 2009 Research Trainee:

Monash venom Group, Department of Pharmacology, Monash University, Melbourne, Australia.

Teaching Experience

Eight years teaching experience of cellular and clinical Biochemistry for medical undergraduate at Faculty of Medicine, University of Peradeniya, Sri Lanka.

2009 to 2012 and 2016 to present: Conduct lectures, small group discussions, practicals, problem based learning and examinations for medical undergraduates, Faculty of Medicine, University of Peradeniya, Sri Lanka.

2016 to present: Lecturing on snake envenoming and management for medical undergraduates at Faculty of Medicine, University of Peradeniya.

Continuous three years teaching experience of clinical medicine for second and third year medical undergraduate at University of Newcastle, Australia.

Examiner for clinical medicine examinations at University of Newcastle, Australia.

Research

Research interest:

- Clinical and Experimental Toxinology (snake envenoming)
- Randomized controlled clinical trials (snake envenoming)
- Cochrane systematic reviews (intervention reviews)
- Pharmacology of snake antivenoms (efficacy, effectiveness, pharmacokinetics and adverse effects)
- Coagulopathy of snake envenoming and toxins
- Systematics of venomous snakes
- Systematics of freshwater fish and lizards
- Biomedical inventions

Research and Field experience:

- Isolation and In-vitro characterization of snake venom toxins.
- Clinical trials on interventions for snake envenoming.
- Training on Cochrane Systematic Reviews for interventions, Sydney, Australia.
- Laboratory experience on SDS-PAGE, Western blotting, High Performance Liquid Chromatography, Enzyme link Immunosobant assay, *in-vitro* efficacy of snake antivenoms, lyophilization, clotting assays and *in-vitro* neuromuscular studies.
- Six weeks training of equine based snake antivenom production and quality control at Institute of Clodomiro Picado, Costa-Rica under the supervision of Professor Jose Maria Gutierrez.
- Six workshop training on Australian Highly venomous snake handling and collection of venom conducted by John Mostyn (Manager, Venom Collection Devision, Australian Reptile Park, Gosford, NSW, Australia).
- Clinical and epidemiological studies on snake bites in Sri Lanka.

- Contributions to several systematic ichthyological and herpetological studies based on Sri Lankan and South Indian fauna, which led to discoveries of several new taxa.
- Fieldwork experience during leading biodiversity explorations (freshwater fish, snakes and lizards) underwent in rainforests of Sri Lanka, since year 2000.

Leadership training

As an **Australian Leadership Award** recipient, I have completed the Leadership for Development Program conducted by Australian Educational and Leadership Centre, Canberra, Australia. This training programme includes Leadership for Development Forum (Canberra), Leadership workshop (NSW), Leadership for Development conference (Canberra) and Leadership Coaching Module.

Global Young Physician Leaders' award 2016: Awarded by Intra Academy Medical Panel and the World Academy of Sciences for 20 outstanding young physician leaders in the world aged under 40 years – Berlin, Germany)

Orations, Keynote Speeches and Talks

- 1. 2017. **Bibile Memorial Oration,** 39th Annual Academic Sessions at Kandy Society of Medicine. Kandy. Title of the oration: "Snakebite coagulopathy, Controversies on understanding and management".
- 2. 2017. **SLMA Oration; Dr. S. Ramachandran Oration at Sri Lanka Medical Association** 130th International Sessions. July 2017 at Hotel Galadari. Title of the Oration is "Diagnosis of snake envenoming: A challenge of 21st century in tropics".
- 3. 2017. Invited speech at Malippallama Campus, Faculty of Agriculture, University of Peradeniya. "Live with snakes; special reference to Sri Lanka".
- 4. 2017. Keynote presentation as the Guest of Honor at 6th International Conference of Sabaragamuwa University of Sri Lanka (6th ICSUSL), Grand Kandyan Hotel, Kandy. "Problem based Research; A way to serve mankind and nature".
- 5. 2017. Seminar at Institute of Clodomiro Picado, Costa-Rica. "Potentials and Limitations if snake antivenom in management of snake envenoming"
- 6. 2017. "Snake envenoming; burden, challenges, antivenom and beyond". Division of Biology and Biological Engineering, California Institute of Technology (CalTech), Los-Angeles, USA.

- 7. 2016. Annual Academic Sessions, Sri Lanka Medical Association. Cinnamon Grand Hotel, Colombo. "Management of snake envenoming with recently uncovered evidence".
- 8. 2016. Guest Lecture: Centre for Research in Tropical Medicine (CRTM), Faculty of Medicine, University of Peradeniya. "Effectiveness of antivenom for Sri Lankan snake envenoming".
- 9. 2016. Guest Lecture: Clinical Meeting at Veterinary Teaching Hospital, Faculty of Veterinary Sciences, University of Peradeniya. "Effectiveness of antivenom for Sri Lankan snake envenoming".
- 10. 2014. Meeting of Central Coast Herpetological Society, New South Wales, Australia. Systematics, Toxinology and snake envenoming.
- 11. 2013. 12th Conference of Asia Pacific Association of Medical Toxicology (APAMT), Dubai. Assessment of efficacy and effectiveness of snake antivenoms in Asia.
- 12. 2013. Conference of Toxicology and Poisoning network of Australasia (TAPNA), Newcastle, Australia. Assessing the efficacy of antivenoms for Sri Lankan venomous snakes.
- 13. 2012. Golden Jubilee Scientific conference, Faculty of Medicine, University of Peradeniya, Sri Lanka.

Resource person in Professional Training Workshops

- 1. 2016. Annual Academic Sessions, Ceylon College of Physicians. Cinnamon Grand, Colombo. Toxicology Workshop titled "Management of snake envenoming with recently uncovered knowledge".
- 2. 2016. Developing Emergency Medicine. An internal workshop series in Emergency Medicine, Workshop on management of snake envenoming, Water's Edge. Colombo. Sri Lanka.
- 3. 2016. Resource person at workshop of training emergency medicine physicians at Medical Faculty, Kothalawala Defence University, Sri Lanka.
- 4. 2016. Library User Seminar sponsored by the WHO through the Ministry of Health and conducted by the Health Literature Library and Information Services (HeLLIS) Network. Nursing Training School. Kandy.

5. 2015. Resource person at Toxicology and Poisoning Network of Australasia (TPANA) as a part of Asia Pacific Association of Medical Toxicology (APAMT) conference in University of Western Australia, Perth, Australia.

International and National Awards

International Awards

- 1. 2014 Informa Health Care Award for the Best Platform Presentation paper presented at North American Conference of Clinical Toxicology (NACCT 2014), New Orleans, Louisiana, USA. "Diagnosis of snake envenoming using simple phospholipase A₂ assay"
- 2. 2014 **John Morris Scientific Award for the Best Overall Scientific Poster** Presentation at the Australian Society for Medical Research (ASMR) Satellite Scientific Meeting, Newcastle, Australia for "Diagnosis of snake envenoming using simple phospholipase A₂ assay"
- 3. 2016. Finalist of Aspirin Social Innovation Award, Bayer Foundations, Berlin, Germany.
- 4. 2014 **ASMR Award for the Best Overall Scientific Poster Presentation** at the Australian Society for Medical Research (ASMR) Meeting, Sydney, Australia for "Diagnosis of snake envenoming using simple phospholipase A₂ assay".
- 5. 2012 **Australian Leadership Award**, offered by Government of Australia. Four years full scholarship for PhD studies at University of Newcastle. Australia. (AU\$ 226,468.00).
- 6. 2015 **Australian Leadership Award**, offered by Leadership for Development Programme, Government of Australia.
- 7. **Global Young Physician Leaders' award 2016** (Awarded by the Intra Academy Medical Panel and the World Academy of Sciences for 20 outstanding physician leaders in the world aged under 40 years—Berlin, Germany)

National Awards

- 1. 2016. CVCD (Committee of Vice-Chancellors and Directors) Award for the most outstanding young researcher in the field of medicine, dental, veterinary and allied sciences field in Sri Lanka offered by the HE president of Sri Lanka.
- **2.** 2016 **Presidential Award for Scientific Publications.** (Awarded by the H.E. President of Sri Lanka).

- 3. 2014. **Award for the Best publication by the Physician 2014** at 48th Annual Academic Sessions, Colombo, for the publication titled "Revisiting Russell's Viper (*Daboia russelii*) Bite in Sri Lanka: Is Abdominal Pain an Early Feature of Systemic Envenoming?".
- 4. 2011 Presidential Award for Scientific Publications. (Awarded by the H.E. President of Sri Lanka)
- 5. 2006 **Presidential Award for the best new invention of 2004**: Invention of a Microscopic Slide Projector (Patent No: 12460).
- **6.** 2005 **Presidential Award for Scientific Publications.** (Awarded by the H.E. President of Sri Lanka).
- **7.** 2008 **Presidential Award for Scientific Publications.** (Awarded by the H.E. President of Sri Lanka).
- 8. 2005 National Science Foundation Award for Young Scientists, 2005 (Undergraduate Category): Invention of a Microscopic Slide Projector (Patent No: 12460).
- 9. 2010. National Research Council Merit Award for Scientific Publications, Sri Lanka.
- 10. 2011. National Research Council Merit Award for Scientific Publications, Sri Lanka.
- 11. 2012. National Research Council Merit Award for Scientific Publications, Sri Lanka.
- 12. 2007 Ministry of Social Services and Social Welfare Award for outstanding performance as a young scientist, Sri Lanka.
- 13. 2007 Awarded the **B. H. Aluvihare Prize in Surgery** for Final MBBS.
- 14. 2000. Award for the Best Advance Level Results (Science), Sri/ Devananda College, Ambalangoda, Sri Lanka.

Travel Grants

- 1. 2011. Asia Pacific Association of Medical Toxicology, Penang, Malayasia (US\$ 750).
- 2. 2015. Asia Pacific Association of Medical Toxicology, Perth, Australia. (US\$ 1000)

- 1. International Society of Toxinology (IST)
- 2. Australian Society for Medical Research (ASMR)
- 3. Asia Pacific Association of Medical Toxicology (APAMT)
- 4. Member of the Snakebite Experts Committee, Sri Lanka Medical Association.
- 5. Referee of the Sri Lanka Journal of Medicine (SJM).
- 6. Viper specialized group, IUCN (International Union for Conservation of Nature)
- 7. Member, Centre for Research in Tropical Medicine (CRTM), University of Peradeniya, Sri Lanka

Contributions to the academic journals

Reviewer in

- 1. Toxicon (Elsevier Publications)
- 2. PLoS Neglected Tropical Diseases
- 3. Transactions of the Royal Society for Tropical Medicine and Hygiene (Elsevier Publications)
- 4. Neurotoxicity Research (Elsevier Publications)
- 5. Journal of Infections and Public Health (Elsevier Publications)
- 6. Sri Lanka Journal of Medicine (SJM)
- 7. Ceylon Journal of Science

Inventions and Patents

- 1. 2004 Patent number 13388: A simple instrument for measuring distance and height.
- 2. 2004 Patent number 13389: Compound light microscope converted to a projector.
- 3. 2001 Patent number 12460: Microscopic Slide Projector.

Discovery of new snakes, lizards and fresh water fish species

New Freshwater Fish Genera discovered and revised

Genus Dawkinsia (Family: Cyprinidae) 2012
 Genus Pethia (Family: Cyprinidae) 2012
 Genus Dravidia (Family: Cyprinidae) 2012

4. Revalidation of the Genus: Systomous (Family: Cyprinidae) 2012

5. Revalidation of the Genus: Pseudoetroplus (Family: Cichlidae) 2012

New snakes, lizards and fresh water fish species discovered in Science

6. Rhinophis zigsag (Family: Uropeltidae) 2011
7. Hypnale species 'amal' (Family: Viperidae) 2009
8. Rhinophis liniatus (Family: Uropeltidae) 2011

9.	Laubuca insularis	(Family: Cyprinidae) 2008
10.	Laubuca ruhuna	(Family: Cyprinidae) 2008
11.	Laubuca waruna	(Family: Cyprinidae) 2008
12.	Pethiya reval	(Family: Cyprinidae) 2008
13.	Puntius kamalika	(Family: Cyprinidae) 2008
14.	Puntius kelumi	(Family: Cyprinidae) 2009
15.	Rasbora armitagei	(Family: Cyprinidae) 2010
16.	Rasbora naggsi	(Family: Cyprinidae) 2010
17.	Calotes desilvai	(Family: Agamidae) 2005

Calotes desilvai (Family: Agamidae) 2005
 Mystus nanus (Family: Bagridae) 2016
 Mystus ankutta (Family: Bagridae) 2005

New snakes and fresh water fish taxa changed their nomenclature after revising the taxonomy

20. Hypnale zara (Family: Viperidae) 200921. Hypnale nepa (Family: Viperidae) 2009

22. Macrognathus pentophthalmos (Family: Mastacembelidae) 2008

Publications: Thesis

1. Doctor of Philosophy thesis:

2016. Investigation of coagulant effects of Sri Lankan venomous snakes and efficacy of antivenoms.. University of Newcastle, Australia.

2. Master of Philosophy thesis:

2011. Systematics, venom characteristics and clinical features following envenomation by Sri Lankan hump-nosed vipers. University of Peradeniya, Sri Lanka.

Publications: Journal Articles

Publications in referred indexed journals

- 1. 2017. Ratnayake I, Shihana F, Dissanayake DM, Buckley NA, **Maduwage K**, Isbister GK. Performance of the 20-minute whole blood clotting test in detecting venom induced consumption coagulopathy from Russell's viper (*Daboia russelii*) bites. *Thrombosis and Haemostasis*. Feb 2. doi: 10.1160/TH16-10-0769.
- 2. 2017. Isbister GK, Jayamanne S, Mohamed F, Dawson AH, **Maduwage K**, Gawarammana I, Lalloo DG, de Silva HJ, Scorgie FE, Lincz LF, Buckley NA. A randomized controlled trial of fresh frozen plasma for coagulopathy in Russell's viper (*Daboia russelii*) envenoming. *Journal of Thrombosis and Haemostasis*. Jan 20. doi: 10.1111/jth.13628. [Epub ahead of print].

- 3. 2016. **Maduwage K**, O'Leary M, Silva A, Isbister GK. Detection of Snake Venom in Post-Antivenom Samples by Dissociation Treatment Followed by Enzyme Immunoassay. *Toxins*: 28: 8 (5), E130.
- 4. 2016. Silva A, Johnston C, Kuruppu S, Kneisz D, **Maduwage K**, Kleifeld O, et al. Clinical and Pharmacological Investigation of Myotoxicity in Sri Lankan Russell's Viper (*Daboia russelii*) Envenoming. *PLoS Negl Trop Dis* 10(12): e0005172. doi:10.1371/journal.pntd.0005172.
- 5. 2016. Sudasinghe H, R. Pethiyagoda, K. Maduwage, M. Meegaskumbura. Mystus nanus, a new striped catfish from Sri Lanka (Teleostei: Bagridae) I*chthyological Explorations Freshwaters*, Vol. 27, No. 2, pp. 163-172.
- 6. 2016. Senanayake Kularatne, Kosala Weerakoon, Anjana Silva, **Kalana Maduwage**, Chamara Walathara, Ishani Rathnayake, Senal Medagedara, Ranjith Paranagama, Suresh Mendis, P.V.R. Kumarasiri. Efficacy of intravenous hydrocortisone administered 2e4 h prior to antivenom as prophylaxis against adverse drug reactions to snake antivenom in Sri Lanka: An open labelled randomized controlled trial *Toxicon* 120: 159-165.
- 7. 2016. Kudagammana T, Mohotti K, **Maduwage K**, Marasinghe S. Vitamin B12 status among underprivileged preschool children: Experience from two tea estates. *Sri Lanka Journal of Child Health*, 2016; 45(2): 111-115.
- 8. 2016. Anjana Silva, **Kalana Maduwage**, Michael Sedgwick, Senaka Pilapitiya, Prasanna Weerawansa, Niroshana J Dahanayaka, Nicholas A. Buckley, Sisira Siribaddana, Geoffrey K. Isbister. Neurotoxicity in Russell's viper (*Daboia russelii*) envenoming in Sri Lanka: A clinical and neurophysiological study. *Clinical Toxicology* DOI: 10.3109/15563650.2016.1143556).
- 9. 2016. Anjana Silva, **Kalana Maduwage**, Michael Sedgwick, Senaka Pilapitiya, Prasanna Weerawansa, Niroshana Dahanayake, Nicholas A. Buckley, Sisira Siribaddana, Geoffrey K. Isbister. Common Krait (*Bungarus caeruleus*) envenoming in Sri Lanka: a clinical and neurophysiological study. **PLoS Neglected Tropical Diseases** 10(2): e0004368. doi:10.1371/journal.pntd.0004368.
- 10. 2016. Kalana Maduwage, Anjana Silva, Margaret A O'Leary, Wayne C Hodgson, Geoffrey K Isbister. Efficacy of Indian polyvalent snake antivenom against Sri Lankan snake venoms: lethality studies or clinically focussed *in vitro* studies. *Nature Scientific Reports*. 6:26778. DOI: 10:1038.serp26778.
- 11. 2015. **Maduwage K,** Scorgie F, LIcz, et al., Procoagulant snake venoms have differential effects in animal plasmas: Implications for antivenom testing in animal models, *Thrombosis Research*, http://dx.doi.org/10.1016/j.thromres.2015.12.002.

- 12. 2015. Sudasinghe H, Pethiyagoda R. **Maduwage K,** Meegaskumbura M. *Mystus nanus*, a new striped catfish from Sri Lanka (Teleostei: Bagridae) *Ichthyological Explorations of Frshwaters*. (In press).
- 13. 2015. Isbister GK, **Maduwage K**, Scorgie FE, Shahmy S, Mohamed F, Abeysinghe C, et al. (2015) Venom Concentrations and Clotting Factor Levels in a Prospective Cohort of Russell's Viper Bites with Coagulopathy. *PLoS Negl Trop Dis* 9(8): e0003968. doi:10.1371/journal.pntd. 0003968.
- 14. 2015. Isbister GK, **Maduwage K**, Saiao A, Buckley NA, Jayamanne SF, Seyed S, et al. (2015). Population Pharmacokinetics of an Indian F(ab')2 Snake Antivenom in patients with Russell's Viper (Daboia russelii) Bites. *PLoS Negl Trop Dis* 9(7): 0003873. doi:10.1371/journal.pntd.0003873.
- 15. 2015. **Maduwage K**, Buckley NA, de Silva HJ, Lalloo DG, Isbister GK. Snake antivenom for snake venom induced consumption coagulopathy. *Cochrane Database of Systematic Reviews* 2015, Issue 6.Art.No.:CD011428.DOI: 10.1002/14651858.CD011428.pub2.
- 16. 2015. O' Leary MA, **Maduwage K**, Isbister GK. Detection of venom after antivenom administration is largely due to bound venom. *Toxicon*. 93: 112-115
- 17. 2015. Batuwita S. **Maduwage K**. Sudasinghe H. Redescription of *Pethia melanomaculata* (Teleostei: Cyprinidae) from Sri Lanka. *Zootaxa* 3936 (4): 575–583.
- 18. 2014. Maduwage K, O'Leary MA, Scorgie FE, Shahmy S, Mohamed F, et al. Detection of Venom after Antivenom Is Not Associated with Persistent Coagulopathy in a Prospective Cohort of Russell's Viper (Daboia russelii) Envenomings. *PLoS Neglected Tropical Diseases* 8(12): e3304. doi:10.1371/journal.pntd.0003304.
- 19. 2014. **Maduwage K**, Buckley NA, de Silva HJ, Lalloo DG, Isbister GK, 2014. Snake antivenom for snake venom induced consumption coagulopathy (protocol). *Cochrane Database of Systematic Reviews*, Issue 12.
- 20. 2014. **Maduwage K**, Isbister GK. Current Treatment for Venom-Induced Consumption Coagulopathy Resulting from Snakebite. *PLoS Neglected Tropical Diseases*. 8 (10): e3220. doi: 10.1371/journal.pntd.0003220.
- 21. 2014. Isbister GK, **Maduwage K**, Page CB. Antivenom cross neutralisation in a suspected Asian pit viper envenoming causing severe coagulopathy. *Toxicon* 90: 286-90.
- 22. 2014. Pethiyagoda R, **Maduwage K**, Manamendra-Arachchi K. Validation of the South Asian cichlid genus Pseudetroplus Bleeker (Pisces: Cichlidae). *Ichthyological Exploration of Freshwaters* 3838 (5): 595–600.

- 23. 2014. **Maduwage K**, O'Leary M, Isbister GK. Diagnosis of snake envenomation using a simple Phospholipase A2 assay. *Nature Scientific Reports* 4 (4827): DOI:10.1038/srep04827 (2014).
- 24. 2014 Kularatne SAM, Wimalasooriya S, Nazar K, **Maduwage K**. Thrombotic microangiopathy following Russell's viper (*Daboia russelii*) envenoming in Sri Lanka: a case report. *Ceylon Medical Journal* 59: 29-30.
- 25. 2014 Kularatne SAM, Silva A, Weerakoon K, **Maduwage K**, Walathara C, Paranagama R, Mendis S. Revisiting Russell's Viper (Daboia russelii) Bite in Sri Lanka: Is Abdominal Pain an Early Feature of Systemic Envenoming? *PLoS One* 9(2): e90198. doi: 10.1371/journal.pone. 0090198.
- 26. 2014 Kularatne SAM, Silva A, **Maduwage K,** Ratnayake I, Walathara C, Ratnayake C, Mendis S, Parangama R. Victims' Response to Snakebite and Socio-epidemiological Factors of 1018 Snakebitesina Tertiary Care Hospitalin Sri Lanka. *Wilderness and Environmental Medicine* 25, 35-40.
- 27. 2013. Kularatne SAM, Hettiarchchi R, Dalpathadu J, Mendis ASV, Appuhamy PDSAN, Zoysa HDJ, **Maduwage K,** Weerasinghe VS, de Silva A. *Enhydrina schistosa* (Elapidae: Hydrophiinae) the most dangerous sea snake in Sri Lanka: Three case studies of severe envenoming *Toxicon* 77, 78-86.
- 28. 2013 Isbister KG, **K. Maduwage**, S. Shahmy, F. Mohamed, C. Abeysinghe, H. Karunathilake, CA Ariaratnam, NA Buckly. Diagnostic 20-min whole blood clotting test in Russell's viper envenoming delays antivenom administration. *Quarterly Journal of Medicine* doi:10.1093/qjmed/hct102.
- 29. 2103 **Kalana Maduwage**, Fiona E. Scorgie, Seyed Shahmy, Fahim Mohamed, Chandana Abeysinghe, Harendra Karunathilake, Lisa F. Lincz, Christeine A. Gnanathasan, Geoffrey K. Isbister. Factor deficiencies in Hump-nosed pit viper (*Hypnale hypnale*) envenoming. *Clinical Toxicology* 51: 527-31.
- 30. 2013 O'Leary M, **Maduwage K**, Isbister, GK. Use of immunoturbidimetry to detect venomantivenom binding using snake venoms. *Journal of Pharmacology and Toxicological Methods* 67: 171-181.
- 31. 2013 **Kalana Maduwage**, Geoffrey K. Isbister, Anjana Silva, Sunil Bowatta, Suresh Mendis, Indika Gawarammana. Epidemiology and clinical effects of Hump-nosed pit viper (Genus: *Hypnale*) envenoming in Sri Lanka *Toxicon* 61: 11-15.
- 32. 2012 **Maduwage** K, Silva A. Hemipeneal Morphology of Sri Lankan Dragon Lizards (Sauria: Agamidae). *Ceylon Journal of Sciences (Bio. Sci)* 41 (2): 111-123.

- 33. 2012. Anjana Silva, Panduka Gunawardena, Danister Weilgama, **Kalana Maduwage**, Indika Gawarammana Comparative in-vivo toxicity of venoms from South Asian hump-nosed pit vipers (Viperidae: Crotalinae: Hypnale) *BMC Research Notes* 2012, 5:471.
- 34. 2012. Pethiyagoda, R., Meegaskumbura, M., **Maduwage, K.** A synopsis of the Indian and Sri Lankan fishes referred to Puntius Hamilton (Teleostei: Cyprinidae: Cyprininae). *Ichthyological Exploration of Freshwaters* 23 (1): 69–95.
- 35. 2011. Kularatne, K., Budagoda S., **Maduwage, K**., Nasar, K., Kumarasiri, R., Kularatne, S. Parallels between Russell's viper (*Daboia russelii*) and hump-nosed viper (*Hypnale* species) bites in the central hills of Sri Lanka amidst the heavy burden of unidentified snake bites. *South Asian Journal of Tropical Medicine* 2011: 564–567.
- 36. 2011. **Maduwage K**., Kularatne K, Wazil A, Gawarammana I. Coagulopathy, acute kidney injury and death following *Hypnale zara* envenoming The first case report from Sri Lanka. *Toxicon*, 58 (2011): 641–643.
- 37. 2011. Kularatne, S. A. M., Sivansuthan, S, Medagedara, S. C., **Maduwage, K.**, de Silva, A. Revisiting saw-scaled viper (Echis carinatus) bites in the Jaffna Peninsula of Sri Lanka: ecology, epidemiology and clinical manifestations. *Transactions of the Royal Society of Tropical Medicine and Hygiene*. 105 (2011): 591–597.
- 38. 2011 Gower, D., **Maduwage K**. Two new species of *Rhinophis* Hemprich (Serpentes: Uropeltidae) from Sri Lanka. *Zootaxa*. 2881: 51–68.
- 39. 2011 **Maduwage, K**., Hodgson, W. C, Konstantakopoulos, N., O'Leary, M. A., Gawarammana I., Isbister, G. K. The in vitro toxicity of venoms from South Asian Hump-nosed pit vipers (Viperidae: *Hypnale*). *Journal of Venom Reseach* 2: 17–23.
- 40. 2010 Silva, A, **K. Maduwage** & R. Pethiyagoda. A review of the genus *Rasbora* in Sri Lanka, with description of two new species (Teleostei: Cyprinidae). *Ichthyological Exploration of Freshwaters* 21: 27–50.
- 41. 2009 **Maduwage, K**., A. Silva, K. Manamendra-Arachchi & R. Pethiyagoda. A taxonomic revision of the South Asian hump-nosed vipers (Squamata: Viperidae: Crotalinae: *Hypnale*). *Zootaxa* 2232: 1–28.
- 42. 2008 Silva, A., **K. Maduwage** & R. Pethiyagoda. *Puntius kamalika*, a new species of barb from Sri Lanka (Teleostei: Cyprinidae). *Zootaxa* 1824: 55–64.

- 43. 2008 Pethiyagoda, R., M. Kottelat, A. Silva, **K. Maduwage** & M. Meegaskumbura. A review of the genus *Laubuca* in Sri Lanka, with description of three new species (Teleostei: Cyprinidae). *Ichthyological Exploration of Freshwaters* 19: 7–26.
- 44. 2008 Meegaskumbura, M., A. Silva, **K. Maduwage** and R. Pethiyagoda. *Puntius reval*, a new barb from Sri Lanka (Teleostei: Cyprinidae: Puntius). *Ichthyological Exploration of Freshwaters* 19: 141–152.
- 45. 2008 Pethiyagoda, R., A. Silva, **K. Maduwage**. *Mystis ankutta* a new catfish from Sri Lanka (Teleostei: Bagridae). *Ichthyological Exploration of Freshwaters* 19: 233–242.
- 46. 2008 **Maduwage, K**., M. Meegaskumbura, A. Silva & R. Pethiyagoda. Phylogenetic utility of hemipenial morphology in Sri Lankan agamid lizards. *Current Science* 95: 838–840.
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Referees

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