

Dr. Ranasinghe Arachchige Chamila Ruwandi Ranasinghe

(Dr R. A. C. R. Ranasinghe)

<https://scholar.google.com/citations?user=myUNgx8AAAAJ&hl=en>

SCIENTIST & SCIENTIFIC OFFICER- GRADE I

Profile

I work as a full-time Scientist cum scientific Officer—Grade I (12 DECEMBER 2014 — PRESENT) at the Institute of Biochemistry, Molecular Biology and Biotechnology (IBMBB), University of Colombo, Sri Lanka.

I am a dedicated and dynamic lecturer and Researcher with nearly 9+ years of experience teaching courses at the Undergraduate and Postgraduate level. Also, a person passionate about fostering an engaging and inclusive learning environment possesses expertise in Molecular Life Sciences and a commitment to staying abreast of the latest advancements to impart comprehensive and up-to-date knowledge to students. Supervised 8 MSc theses, 3 BSc theses, and 4 PhD dissertations. Immediately supervised 2 Master of Science students. Published over 8 articles in higher rank peer-reviewed journals. I have experience as a speaker at international conferences and working with renowned researchers locally and globally.

University Education

2008-2016 Doctor of Philosophy by research (PhD)

IBMBB, University of Colombo, Sri Lanka

Thesis Title “Mitochondrial DNA analysis, haplotype and haplogroup determination and inference of maternal lineages in five major ethnic groups and Vedda population in Sri Lanka”

Supervisors: Prof. K. H. Tennekoon, Prof. E. H. Karunanayake, Prof Marie Allen

2006-2007 Master of Science in Molecular Life Sciences by Research (MSc)

IBMBB, University of Colombo, Sri Lanka

Thesis Title “Optimization of PCR conditions for the amplification of Hypervariable Region I and Hypervariable Region II in the Human Mitochondrial D-loop”

Supervisors: Prof. K. H. Tennekoon and Prof. E. H. Karunanayake

2003 – 2006 Bachelor of Biological Science (BSc)- Second Class Lower

University of Kelaniya, Sri Lanka

Core Duties and Responsibilities

- Prepared and delivered lectures and conducted tutorials, seminars, and laboratory sessions
- Preparing and marking essays, assignments and examinations
- Advising students on academic and related matters
- Attending Institutional meetings, conferences and seminars
- Supervising work programs of postgraduate and honours students and tutorial staff

Additional Duties and Responsibilities

- Participating in setting course and degree requirements, curriculum revision and academic planning
- Served on several committees and professorial boards of the Institute
- Conducting research and undertaking consultancy in a particular field of knowledge
- Stimulating and guiding class discussions
- Compiled bibliographies of specialized materials for reading assignments

Publications

Anjana Welikala, Shailesh Desai, Prajval Pratap Singh, Amali Fernando, Kumarasamy Thangaraj, George van Driem, Gamini Adikari, Kamani Tennekoon, Gyaneshwer Chaubey*, Ruwandi Ranasinghe*. The genetic identity of the Vedda: A language isolate of South Asia. Mitochondrion, Volume 76, 2024, 101884, ISSN 1567-7249, <https://doi.org/10.1016/j.mito.2024.101884>. *Corresponding Authors

Prajival Pratap Singh, Sachin Kumar, Nagarjuna Pasupati, P. R. Weerasooriya, Kamani H Tennekoon, Niraj Rai*, Gyaneshwer Chaubey*, R. Ranasinghe*. Reconstructing the population history of Sinhalese, the major ethnic group in Śrī Lāṅkā. *iScience*. Published: August 31, 2023. DOI:<https://doi.org/10.1016/j.isci.2023.107797> ISSN 2589-0042 (Online). *Corresponding Authors

Jayasekera LP, Ranasinghe R*, Senathilake KS, Kotelawala JT, de Silva K, Abeygunasekara PH, et al. (2023) Mitochondrial genome in sporadic breast cancer: A case control study and a proteomic analysis in a Sinhalese cohort from Sri Lanka. *PLoS ONE* 18(2): e0281620. <https://doi.org/10.1371/journal.pone.0281620>. Published on February 9, 2023. ISSN 1932-6203. *Corresponding Author

Fernando, A.S., Wanninayaka, A., Dewage, D., Karunanayake, E. H., Rai, N., Somadeva, R., Tennekoon, K. H., & Ranasinghe, R*. The mitochondrial genomes of two Pre-historic Hunter Gatherers in Sri Lanka. *J Hum Genet* 68, 103–105 (2023). <https://doi.org/10.1038/s10038-022-01099-w>. Published on 30 November 2022. ISSN 1435-232X (online) ISSN 1434-5161 (print). *Corresponding Author

Welikala, A.H.J., Ranasinghe, R*, Tennekoon, K.H. et al. Mitochondrial DNA (CA)_n dinucleotide repeat variations in Sinhalese and Vedda populations in Sri Lanka. *Genetica* 150, 145–150 (2022). <https://doi.org/10.1007/s10709-022-00150-0> Published on 10 February 2022. Electronic ISSN 1573-6857 and Print ISSN 0016-6707. *Corresponding Author

JAYASEKERA, Lakshika, SENANAYAKE, Kanchana, RANASINGHE, Ruwandi, TENNEKOON, Kamani. A Bioinformatics pipeline for variant discovery from Targeted Next Generation Sequencing of the human mitochondrial genome. *EMBnet.journal*, [S.l.], v. 28, p. e1007, sep. 2022. ISSN 2226-6089. Available at: <<https://journal.embnet.org/index.php/embnetjournal/article/view/1007/1575>>. Published on 30 September 2022. ISSN 2226-6089.

Kotelawala, J.T., Ranasinghe, R., Rodrigo, C., Tennekoon, K.H., & De Silva, K. (2020). Evaluation of non-coding region sequence variants and mitochondrial haplogroups as potential biomarkers of sporadic breast cancer in individuals of Sri Lankan Sinhalese ethnicity. *Biomedical Reports*, 12, 339-347. <https://doi.org/10.3892/br.2020.1292>. Published on Online March 17, 2020. Print ISSN: 2049-9434, Online ISSN:2049-9442

Tharmini Sundralingam, Kamani Tennekoon, Shamy de Silva, Sumadee De Silva, Sudeshini Hewage, Ruwandi Ranasinghe. Novel gross deletion at the GHRHR gene locus possibly mediated by Alu specific microhomology identified in a Sri Lankan patient with isolated growth hormone deficiency, Growth Hormone & IGF Research- 2018. 42-43: 94-101.

<https://www.sciencedirect.com/science/article/abs/pii/S1096637418300765>

Ranasinghe R, Tennekoon KH, Karunanayake EH, Lembring M, Allen M. A study of genetic polymorphisms in mitochondrial DNA hypervariable regions I and II of the five major ethnic groups and Vedda population in Sri Lanka. Leg Med (Tokyo). 2015; 17: 539-546.doi: 10.1016/j. legal med.2015.05.007.

<https://www.sciencedirect.com/science/article/abs/pii/S1344622315000693?via%3Dihub>

Awards and Honors

- Institute of Biochemistry, Molecular Biology and Biotechnology, University of Colombo, Research Excellent Award: For the Years 2021 and 2022
- National Research Council (NRC), Sri Lanka, Merit Award for Scientific Publication for the year 2015, awarded in 2017
- Postgraduate student representative of Sri Lanka (Out of the 70 PhD students from around the world) who had received coveted invitations to the Commonwealth Science Conference (25-28 November 2014 at Bangalore, India) organised by the Royal Society, London
- Outstanding Poster Presentation Award - International Conference on Frontiers in Molecular Life Sciences, Organized by IBMBB, University of Colombo, Sri Lanka, 2009
- Invited Speaker: A Two-Day International Conference, "Recent Trends in DNA Forensics" organized by the National Forensic Sciences University, Dharwad and the Karnataka Institute for DNA Research, Dharwad, India 29th to 30th November 2023 (Onsite)
- Invited Speaker: A Three-Day International Conference, "The human population history of South Asia using Archaeology and Genetics under the umbrella of Emerging insights on human histories and past environments in South Asia". Organized by Birbal Sahni Institute of Palaeosciences, Lucknow and University of Kashmir, Srinagar 7th-9th June 2023 (Onsite)
- Invited Speaker: Annual conference (ADNAT 2023) entitled "Translating Human Evolutionary History to Precision Medicine", organized by The Association for Promotion of DNA Fingerprinting

and Other DNA Technologies (ADNAT), in Banaras Hindu University (BHU), Varanasi, India from 10th-12th March 2023 (Onsite).

Grants and Fellowships

- Collaborator – The population history of Sri Lanka. Principal Investigator: Maanasa Raghavan (PhD), Neubauer Family Assistant Professor, funded by the US National Institutes of Health (NIH), Department of Human Genetics, The University of Chicago – 2021 to Present
- Principal Investigator - Insight for molecular Anthropology of early people in Sri Lanka: Ancient human mtDNA and Molecular sex analysis of archaeological skeletal remains at Udupiyangalge and Alugalge caves. National Research Council (NRC), Sri Lanka, Grant scheme 2017 – Completed in 2023. Grant No 17-042 (Rs. 4,990,000.00)
- Co-Investigator - Mutations and polymorphisms of mitochondrial genes as risk factors for sporadic breast cancer in Sri Lankan patients of Sinhalese ethnicity- National Research Council (NRC), Sri Lanka, Grant scheme 2017 - Completed in 2023 Grant No 17-020 (Rs. 4,685,000.00)
- Co-Investigator - Molecular phylogeny of marine macro-algae (seaweeds) present in Sri Lankan coasts and isolation of anti-cancer compounds to target oral cancers from marine macroalgae- National Research Council (NRC), Sri Lanka, Grant scheme 2017 - Grant No 17-074 (Rs. 5,045,000.00)
- Principle Investigator - Royal Society Commonwealth Science Conference Follow-on Traveling Grant.: Topic: Peopling of Sri Lanka: A High-resolution mtDNA study based on NGS, 2016 (£ 3,000)
- Overseas Travel Award to attend the Commonwealth Science Conference Bangalore, India on 25-28 November. Awarded by "The Royal Society", London; 2014 (£ 800)
- Grant to travel to Brussels, Belgium to present at the Regional Conference of 6th EMPOP and 9th Y-User workshop. Awarded by Prof Eric Karunanayake's grant; 2014 [IPICS (International Programme in Chemical Sciences), IBMBB, University of Colombo] (\$ 900)
- Overseas Travel Award to attend the Regional Conference of 6th EMPOP and 9th Y-User workshop, Brussels. Awarded by "National Research Council"; 2014 (NRC-Sri Lanka) (Rs 96, 900.00)

- Overseas Travel Award to attend the Regional Conference of Young Scientists, Bangalore, India on 7-9 March: Awarded by "The Third World Academy of Science (TWAS)"; 2014 (\$ 800)

Conferences

- 4th International Conference on Frontiers in Molecular Life Sciences, Organized by IBMBB University of Colombo, Sri Lanka, 26 - 27 September 2024, Colombo, Sri Lanka
- 3rd International Conference on Frontiers in Molecular Life Sciences, Organized by IBMBB University of Colombo, Sri Lanka, 6-7th April 2022
- The Commonwealth Science Conference Bangalore, India on 25-28th November 2014.
- The Regional Conference of 6th EMPOP and 9th Y-User workshop, Brussels, Belgium on 14-16th May 2014
- Overseas Travel Award to attend the Regional Conference of Young Scientists, Bangalore, India on 7-9 March 2014
- 2nd International Conference on Frontiers in Molecular Life Sciences, Organized by IBMBB University of Colombo, Sri Lanka, 11- 12th September 2014
- Fifth Asian Biotechnology and Development Conference, Kandy, Sri Lanka, 15-17th December 2010
- 1st International Conference on Frontiers in Molecular Life Sciences: Sailing towards New Horizons 2009

Teaching Experience

Visiting Lecturer (Molecular Anthropology) - Departments of Anthropology, University of Sri Jayewardenepura, Sri Lanka

Contribute to the teaching of Population and Evolutionary Genetics; MLS 6010 (Lectures, tutorials, assignments) and Recent Advances in Molecular Life Sciences; MLS 6020

(Lectures and group/individual presentations) to Master of Science in Molecular Life Sciences (MLS) Degree programme

Contribute to the teaching of Genomics, Genetics and Molecular Biology; MB 5010 (Lectures, tutorials, assignments) and Special Topics in Bioinformatics; MB 6020 (Lectures, tutorials, assignments) to Master of Science in Bioinformatics (BI) Degree programme

Supervisor for Research Projects and Guided independent study - Master of Science in Molecular Life Sciences (MLS); Master of Science in Bioinformatics (MB), IBMBB, University of Colombo, Sri Lanka

Involves the preparation and marking of essays, assignments, examinations, and laboratory reports for the courses mentioned above.

Conducted laboratory sessions, such as nucleic acid extraction and quantification, PCR-RFLP techniques, and hands-on experiences in Sanger DNA sequencing.

Served as an Examiner, Moderator, and Invigilator

Research Experience

Managed and organised several research projects from International and National Funding Agencies

Engaged in conducting extensive research within a specific field of Molecular Biology and its allied fields. This involved designing and executing research projects at the Doctoral, MSc and BSc levels, gathering and analysing data, and staying abreast of the latest developments in the field.

Actively undertook consultancies within the area of expertise, leveraging knowledge to provide valuable insights to external organizations as a collaborator.

Supervision of MPhil/PhD Thesis

Name of the student	PhD/MPhil year of completion	Title of Thesis	Principal/co- supervisor
Anjana HJ Welikala	PhD in progress	Comparative analysis of the whole mitochondrial genome in Sinhalese, Sri Lankan Tamil and Vedda populations in Sri Lanka	Principal supervisor
Amali S Fernando	PhD in progress	Insight for molecular Anthropology of early people in Sri Lanka: Ancient human mtDNA and Molecular sex analysis of archaeological skeletal remains at Udupiyangalge and Alugalge caves	Principal supervisor
Sivagini Kumarasamy	MPhil/ PhD in progress	Molecular phylogeny of marine macroalgae (seaweeds) presents in Sri Lankan coasts and isolation of anti-cancer compounds to target oral cancers from marine macroalgae	Co-supervisor
Joanne T Kothalawala	PhD -2023	Characterization of Mitochondrial DNA mutations in the D-loop and mtDNA haplogroups in Sporadic Breast Cancer	Co-supervisor

Supervision of MSc Dissertations

Name of the Student	MSc / year of completion	Title of the Thesis	Principal/co- supervisor
Chamalka Manohari Kariyawasam	Molecular Life Sciences – 2022	Germline variants in the exon 3 of the POLG1 gene: Optimization of the Polymerase Chain Reaction and preliminary analysis in a few selected Sinhalese individuals	Principal supervisor
Sammani Himasha Galagamaarachchi	Molecular Life Sciences – 2022	Neanderthal inherited Covid-19 genetic variations: Assessing the Polymerase Chain Reaction conditions and frequency analysis	Principal supervisor
N.S.N. Fernando	Molecular Life Sciences – 2022	A Preliminary study on antioxidant, anti-inflammatory activities, and DNA barcoding of selected Mistletoes in different host plants	Co-supervisor

Anjana HJ Welikala	Molecular Life Sciences - 2019	Y-SNP typing by SNaPshot minisequencing on selected Sinhalese and Sri Lankan Tamil individuals	Principal supervisor
Amali Shanya Fernando	Molecular Life Sciences - 2018	Primer optimization and full mitochondrial genome sequencing of a Sri Lankan Vedda individual haplogroups among Sinhalese individuals with different <i>Alu</i> polymorphism	Principal supervisor
Punsisi Rasara Weerasooriya	Molecular Life Sciences - 2016	Preliminary study on common human <i>Alu</i> polymorphisms in Sinhalese individuals	Co-supervisor
Adeesha Herath	Molecular Life Sciences - 2015	Y Chromosome haplotype analysis in a Cohort of Sri Lankan individuals: A Preliminary Study	Co-supervisor
N Nirupa	Molecular Life Sciences - 2013	Extraction of DNA from old bones: Optimization of Methods and assessment of suitability for individual identification	Co-supervisor
Johanna Lundgren	Master's degree in forensic sciences -Spring 2015	Primer optimization and full mitochondrial genome sequencing of a Sri Lankan Vedda individual	Immediate Lab supervision
Sreegowri Sinthanaichselvan	Molecular Life Sciences - 2012	A Preliminary Analysis on Mitochondrial haplogroups	Immediate Lab supervision

Undergraduate Research Training and Project Supervision

Name of the Student	BSc / year of completion	Title of the Thesis	Principal/co-supervisor
M. S. Lakmali	2024, Bachelor of Biosystems Technology Honours in Environmental Technology	Preliminary Molecular Analysis of tetA and tetB genes in tetracycline resistance bacteria and qnra, qnrB and qnrs genes in quinolone resistance bacteria from selected fish farms in Sri Lanka	Co-Supervisor

in the Department of
Environmental
Technology

Faculty of Technology,
University of Colombo

Ms. Fasha	F	BSc (Special) in Molecular Biology and Biochemistry - 2023	PCR optimization and amplification of selected exons of mitochondrial transcription factor A (TFAM) in sporadic breast cancer patients	Principal supervisor
Joshua Miguel Anandappa		HND- Business Management School (BMS) - 2022	PCR optimization and amplification of selected polymerase gamma exon primer in sporadic breast cancer patients of Sinhalese ethnicity	Principal supervisor
Ms. Hashini Priyamali		BSc in Biotechnology - 2018	Designing primers for Molecular phylogeny Analysis of Marine Green Macroalgae, Ulva species in Sri Lanka	Co-supervisor

MBBS Student Supervision for Electives Programme

May 2019 **Ms. Melanie Seneviratne** - 4th Year Medical Student, Faculty of Medicine, University of Colombo, Sri Lanka:
Working on PCR & DNA Sequencing Technology

Research Assistant Supervision: Jan to Dec 2012

Ms. Madu Gunarathne- Voluntary research assistant /IBMBB
trained in basic molecular biology techniques

Services to International and Local Professional Organizations

Sep 2024 Co-Secretory and Committee Member for the 4th International Conference on Frontiers in Molecular Life Sciences. 26 - 27 September 2024, Colombo, Sri Lanka

Nov 2023 Reviewer: Mitochondrion: Manuscript Number: MITOCH-D-23-00235. Genetic Origin and Diversity of the Extant Populations of the Ladakh Region in India

June 2023 Reviewer: Research Reports: Manuscript number 233; Titled: Genetic ancestry of the Central Ladakh population inferred from autosomal STR markers

March 2023 Reviewer: Journal of the National Science Foundation of Sri Lanka:
Manuscript titled: Prevalence and in silico analysis of p.D658G variant of WDR36 Gene
in Patients Affected with Primary Open Angle Glaucoma from Punjab, Pakistan

March 2023 Reviewer: Mitochondrion: Manuscript Number: MITOCH-D-23-00046;
Titled: Maternal Ancestry of First Parsi Settlers of India Using Ancient Mitogenome

Oct 2022 Track Chair, Basic Science, Emerging Technologies & Indigenous
Knowledge, 11th YSF symposium

June 2022 Editorial member, YSF Thematic Publication-2022

April 2022 Steering Committee Member, Young Scientist forum, National Science
and Technology Commission, Sri Lanka

July 2021 Reviewer: Molecular Medicine Reports (spandidos-publications):
manuscript MMR-20759-273309. Title: Mitochondrial tRNA variants in 200 patients with
type 2 diabetes mellitus

June 2019 Reviewer: PLOS ONE: manuscript PONE-D-19-15471, entitled
"Transboundary movements of foot-and-mouth disease from India to Sri Lanka: a
common pattern is shared by serotypes O and C"

May 2019 Reviewer: 11th Annual Scientific Session, IBMBB, University of Colombo,
Sri Lanka, 2019

Sept 2018 Reviewer: 10th Annual Scientific Session, IBMBB, University of Colombo,
Sri Lanka, held on 21st November 2018

July to Sept 2018 Author: Course Unit FMU6300 –Pharmaceutical Biotechnology and
Genetic Engineering, Department of Pharmacy, Faculty of Health Sciences, The Open
University of Sri Lanka.

July 2018 Reviewer: Curriculum, By-Laws and regulations of the Molecular Life Science Revision, Board of Studies, Molecular Life Sciences, IBMBB, University of Colombo, Sri Lanka [Special topics revised: Molecular Genetics and Advanced Molecular Techniques]

Additional Activities

- Served as a Reviewer for several International Peer-reviewed Journals and Organization of workshops, Symposia and Local Annual Scientific Sessions
- Author for Course Unit developed for the Open University, Sri Lanka
- Organized Pre-conference workshops and symposia for International Conferences
- Served as a Resource Person for international and Local Workshops, Seminars & Symposiums
- Contributed to the Undergraduate and Postgraduate Curriculum and By-Laws developments
- Co-Coordinate the master's Programme in Bioinformatics
- Served as a student mentor
- Actively participates in institutional activities, attending meetings, conferences, & seminars.
- Involved with various committees and Boards at the IBMBB

Details

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NATIONALITY

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References

Prof. Kamani H Tennekoon (MBBS, Ph.D.)

Emeritus Professor of Molecular Life Sciences

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University of Colombo

Sri Lanka

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Prof. Nimal Punyasiri

Grad.Chem, PGC Advanced Biochemistry, PhD, C.Chem:FRSC (UK), F.I Chem.C,

M.I Biol

Professor and Chair of Biochemistry

Institute of Biochemistry, Molecular Biology and Biotechnology

University of Colombo

Sri Lanka

e-mail: nimal@ibmbb.cmb.ac.lk

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Annexure 1

Other publications

Year 2025

1. A S Fernando, A Wanninayake, D Dewage, E H Karunanayake, N Rai, R Somadeva, KH Tennekoon, R Ranasinghe. Mitochondrial evidence from a Mesolithic hunter-gatherer in Sri Lanka. 10th World Archaeological Congress, Darwin, Australia
2. Anjana Welikala, Amali Fernando, Gamini Adikari, Kamani Tennekoon, Ruwandi Ranasinghe. The Veddas: The Last Remnants of Prehistoric Hunter-Gatherers in Sri Lanka. 10th World Archaeological Congress, Darwin, Australia
3. Welikala AHJ, Adikari G, Tennekoon KH, Ranasinghe R, 'Deshaja Vedda saha Jaana Praveniya (Native Veddas and Genetics)' in book: Celebrating the Majesty of Mahiyangana, Mahiyangana Raja Maha Viharaya, Mahiyanganaya, 2025

Year 2024

1. Welikala A, Desai S, Fernando A, Kotelawala J, Adikari G, Tennekoon K, Chaubey G, Ranasinghe R, Phylogenetic insights into Mitochondrial DNA variations among the Sinhalese, Sri Lankan Tamils and Indigenous Vedda populations of Sri Lanka, Integrating Archaeogenetics, Forensics, and Multi-omics for Human Health Breakthroughs, INBIX-ADNAT, Banaras Hindu University, India, 2024
2. Aragon JAU, Bandyopadhyay E, de la Fuente Castro D, Witonsky D, Steinrücken M, Fernando AS, Welikala AH, Kotelawala JT, Tennekoon KH, Ranasinghe R, Rai N, Raghavan M, Genomic histories of the Adivasi and Sinhalese populations of Sri Lanka, Society for Molecular Biology and Evolution (SEMB), Mexico, 2024
3. Aragon JAU, Bandyopadhyay E, de la Fuente Castro D, Witonsky D, Steinrücken M, Fernando AS, Welikala AH, Kotelawala JT, Tennekoon KH, Ranasinghe R, Rai N, Raghavan M, Genetic histories of the Adivasi and Sinhalese populations of Sri Lanka, 93rd Annual Meeting, Los Angeles, California, 2024
4. Fernando AS, Bandyopadhyay E, de la Fuente Castro C, Witonsky D, Welikala A, Kotelawala J, Somadeva R, Rai N, Raghavan M, Tennekoon KH, Ranasinghe R. Comparing mitochondrial and genome-wide demographic signals in the Sinhalese, Sri Lankan Tamils, and Ratugala Adivasi. . 4th International Conference on Frontiers in molecular Life Sciences. 26 - 27 September 2024, Colombo, Sri Lanka
5. . Welikala AHJ, Kotelawala JT, Jayasekara L, Adikari G, Tennekoon KH, Ranasinghe R. Embarking on a genetic journey to 'Simhapura': Unraveling the ancestral homeland of the Sinhalese through genetics4th International Conference on Frontiers in molecular Life Sciences. 26 - 27 September 2024, Colombo, Sri Lanka
6. Weerasooriya P, Ranasinghe R, Tennekoon KH. Exploring Genetic Origin of Sinhalese with Alu Polymorphisms. 4th International Conference on Frontiers in Molecular Life Sciences. 26 - 27 September 2024, Colombo, Sri Lanka
7. Kotelawala JT, Rodrigo HACIK, Perera WAHA, Yoganathan N, Manatunga MRS, Dissanayake DMAS, Joseph N, Rajasooriyar C, Indranath K, De Silva GKS, Ranasinghe R, Tennekoon KH. Linkage analysis of variants associated with sporadic breast cancer in patients of three Sri Lankan ethnic groups. . 4th International Conference on Frontiers in Molecular Life Sciences. 26 - 27 September 2024, Colombo, Sri Lanka

Year 2023

1. Fernando AS, Bandyopadhyay E, de la Fuente Castro C, Wintonsky D, Karunanayake EH, Somadeva R, Rai N, Tenakoon KH, Raghavan M, Ranasinghe R. Comparison of uniparental inheritance in a cohort of Adivasi inhabiting in a Rathugala area. Oral Presentation at the 12th Annual Scientific Sessions, IBMBB, University of Colombo, Sri Lanka, 31st May 2023
2. Welikala AHJ, Fernando A, Kotelawala JT, Tennekoon KH, Ranasinghe R. Length Heteroplasmy analysis in the C-stretch of Mitochondrial DNA hypervariable region I in Sinhalese, Sri Lankan Tamil and Vedda population in Sri Lanka. Oral Presentation at the 12th Annual Scientific Sessions, IBMBB, University of Colombo, Sri Lanka, 31st May 2023
3. Anjana Welikala, Amali Fernando, Mishal Faizan, Niraj Rai, Kumarasamy Thangaraj, Kamani Tennekoon, Ruwandi Ranasinghe. "Understanding the maternal genetic affinities of Adivasi (Vedda) population in Sri Lanka: exploring the complete mitochondrial DNA". (Control No. 2714). The European Society of Human Genetics (ESHG) conference, Glasgow, United Kingdom from June 10-13, 2023
4. Galagamaarchchi SH, Fernando AS, Tennekoon KH, Ranasinghe R. Neanderthal inherited COVID-19 genetic variations: Assessing the Polymerase Chain Reaction conditions and database- based allele frequency analysis. Poster Presentation at the 12th Annual Scientific Sessions, IBMBB, University of Colombo, Sri Lanka, 31st May 2023
5. Kariyawasam CM, Kotelawala JT, Tennekoon KH, Ranasinghe R. Germline variants in the exon 3 of the PLOG1 gene: optimization of the polymerase chain reaction and preliminary analysis in a few selected Sinhalese individuals and breast cancer patients. Poster Presentation at the 12th Annual Scientific Sessions, IBMBB, University of Colombo, Sri Lanka, 31st May 2023
6. Fasha MA, Kotelawala JT, Ranasinghe R. PCR optimization and amplification of selected exons of mitochondrial transcription factor A (TFAM) in sporadic breast cancer patients. Poster Presentation at the 12th Annual Scientific Sessions, IBMBB, University of Colombo, Sri Lanka, 31st May 2023

Year 2022

1. Welikala, AHJ Ranasinghe R and Tennekoon KH. Mitogenome diversity in Sinhalese and Indigenous Vedda Population in Sri Lanka. Oral presentation at the 3rd International Conference on Frontiers in Molecular Life Sciences, Organized by IBMBB University of Colombo, Sri Lanka, 6th and 7th April 2022. OP 10
2. Fernando AS, Ransinghe R, Tennekoon KH, Karunanayake E, Somadeva R, Rai N. Maternal genetic affinities of Sri Lankan pre-historic and modern populations with the populations in the Eastern world and Australia. Oral presentation at the 3rd International Conference on Frontiers in Molecular Life Sciences, Organized by IBMBB University of Colombo, Sri Lanka, 6th and 7th April 2022. OP09
3. A Kotelawala J.T, Tennekoon K. H, Ranasinghe R, Rodrigo H.A.C.I.K, De Silva G.K.S, Perera W.A.H.A, Yoganathan N, Manatunga M.R.S, Dissanayake D.M.A.S, Joseph N, Rajasooriyar C, Indranath K. Preliminary study on mitochondrial D-loop variations in sporadic breast cancer patients of Sri Lankan Tamil, Sri Lankan Moor and Sinhalese populations. Oral presentation at the 3rd International Conference on Frontiers in Molecular Life Sciences, Organized by IBMBB University of Colombo, Sri Lanka, 6th and 7th April 2022. OP04. The student awarded "Best Presenter Award" for the respective category

4. Wickramaratne NS, Thusyanthan J, Bandara CJ, Ranasinghe R, Karunaratne DN, Tennekoon KH, Samarakoon SR. Selective anti-breast cancer activity of endophytic fungi isolated from *Rhizophora apiculata*. Oral presentation at the 3rd International Conference on Frontiers in Molecular Life Sciences, Organized by IBMBB University of Colombo, Sri Lanka, 6th and 7th April 2022. OP 11
5. S. Kumarasamy, M.A. P. C. Piyathilaka, S. R. Samarakoon, K. H. Tennekoon, R. Ranasinghe. Selective cytotoxicity of marine macroalgae extracts on oral cancer cells (UPCI:SCC 090 and UPCI:SCC 152). Oral presentation at the 3rd International Conference on Frontiers in Molecular Life Sciences, Organized by IBMBB University of Colombo, Sri Lanka, 6th and 7th April 2022. OP 12
6. Jose Antonio Urban Aragon, Esha Bandyopadhyay, Constanza de la Fuente Castro, David Wintonsky, Amali S. Fernando, Kamani Tenakoon, Ruwandi Ranasinghe, Niraj Rai, Maanasa Raghavan. Reconstructing the human population history of Sri Lanka using genomics 3rd International workshop on Scientific Applications in South Asian Archaeology, Nagaland, India on 9-10th December 2022
7. Amali Fernando, Lakshika Jayasekera, Ruwandi Ranasinghe, Kamani Tennekoon, Eric H Karunanayake, Raj Somadeva, Niraj Rai. "An overview of the maternal genetic affinity of Sinhalese and Tamils in relation to Eastern and Western populations". The European Society of Human Genetics (ESHG) conference, Vienna, Austria, June 2022
8. Amali Fernando, Ruwandi Ranasinghe, Kamani Tennekoon, Eric H Karunanayake, Raj Somadeva, Niraj Rai. "Mitochondrial Genome of an Ancient Sri Lankan individual" at the 2nd workshop on Scientific Applications in South Asian Archaeology, Goa, India, June 2022
9. Jayasekera BMLP, R Ranasinghe, Kotelawala JT, Senathilake KS, De Silva K, KH Tennekoon. Assessment of A10398G polymorphism in the MT-ND3 gene in sporadic breast cancer patients of Sinhalese ethnicity. Poster presentation at the 3rd International Conference on Frontiers in Molecular Life Sciences, Organized by IBMBB University of Colombo, Sri Lanka, 6 -7th April 2022. PP 04

Year 2020

1. Kumarasamy S, Piyathilaka MAPC, Samarakoon SR, Tennekoon KH, Ranasinghe R, "Cytotoxicity of selected marine macroalgal extracts against UPCI:SCC 152 oral cancer and HGF-1 normal human gingival fibroblast cells", Oral Presentations, Annual Research Symposium 2020 – Faculty of Technology, University of Colombo.
2. Kumarasamy S., Piyathilaka MAPC., Samarakoon SR., Tennekoon KH., Ranasinghe R, "Cytotoxicity of some selected marine macro algae against oral cancer cells", 1st International Conference on Frontiers in Chemical Technology, pp 9, 2020.

Year 2019

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