

PRESIDENT'S AWARD FOR SCIENTIFIC RESEARCH 2018

No	Title	Journal	Aurhors Name
1	Fixed Low-Dose Triple Combination Antihypertensive Medication vs Usual Care for Blood Pressure Control in Patients With Mild to Moderate Hypertension in Sri Lanka a Randomized Clinical Trial	Journal of the American Medical AssociationVol 320, Iss 6, pp 566-579	H. A. de Silva; S. Rajapakse; H. S. U. Amarasekara; N. L. Amarasena; A. P. de Silva; K. M. T. M. Fernando; J. A. Jayawardena; S. A. E. S. Mendis; A. S. W. Mendis; T. M. J. Munasinghe; W. G. Ranasinghe; W. A. J. N. Tissera; V. Senaratne; P. W. M. C. S. B. Wijekoon; W. S. Santharaj
2	Polycystic ovary syndrome, androgen excess, and the risk of nonalcoholic fatty liver disease in women: A longitudinal study based on a United Kingdom primary care database	PLoS Medicine Vol 15(3) ,Art No e1002542	B. Kumarendran; C. N. Wijeyaratne
3	Role of NS1 antibodies in the pathogenesis of acute secondary dengue infection	Nature CommunicationsVol 9, Art No 5242	D. C. Jayathilaka; P. L. R. Gomes; K. C. Jeewandara; P. G. S. B. Jayarathna; H. M. D. Herath; M. A. P. A. Perera; B. S. M. Fernando; D. D. A. Wijewickrama; G. N. Malavige
4	Population Screening for Hemoglobinopathies	Annual Review of Genomics and Human GeneticsVol 19, pp 355-380	H. W. Goonasekera; C. S. Paththinige; V. H. W. Dissanayake
5	Evaluating temporal patterns of snakebite in Sri Lanka: the potential for higher snakebite burdens with climate change	International Journal of EpidemiologyVol 47, Iss 6, pp 2049-2058	E. P. D. S. Ediriweera; K. T. A. A. Kasturiratne; A. Pathmeswaran; N. K. Gunawardena; S. F. Jayamanne; H. J. de Silva
6	Repeated Diversification of Ecomorphs in Hawaiian Stick Spiders	Current Biology Vol 28, , pp 941-947	S. P. Benjamin
7	In-situ monitoring of temperature distribution in operating solid oxide fuel cell cathode using proprietary sensory techniques versus commercial thermocouples	Applied EnergyVol 230, pp 551-562	R. A. M. P. Ranaweera
8	Economic cost of tobacco-related cancers in Sri Lanka	Tobacco Control Vol 27, pp 542-546	A. A. H. K. Amarasinghe; S. Ranaweera; A. T. Ranasinghe; M. A. N. K. Chandrartne; S. D. D. R. Kumara; P. Abeykoon; G. A. C. de Silva

9	Fractionally Differenced Gegenbauer Processes with Long Memory: A Review	Statistical Science Vol 33, Iss 3, pp 413-426	G. S. Dissanayake
10	Boosting of Mucosal Immunity After Fractional-Dose Inactivated Poliovirus Vaccine	Journal of Infectious Diseases Vol 218, Iss 12, pp 1876-1882	D. G. Gamage; P. Palihawadana; S. Gunasena
11	Defining the role of post synaptic α neurotoxins in paralysis due to snake envenoming in humans	Cellular and Molecular Life Sciences Vol 75, Iss 23, pp 4465-4478	N. K. A. Silva
12	Tackling the primary care access challenge in South Asia	British Medical Journal Vol 363, Art No k4878	M. C. Weerasinghe
13	Cacao biotechnology: current status and future prospects	Plant Biotechnology Journal Vol 16, Iss 1, pp 004-017	A. M. Wickramasuriya
14	A Phenomenological Model for the Light Curve of Three Quiescent Low-inclination Dwarf Novae and One Pre-cataclysmic Variable	The Astronomical Journal Vol 156, Iss 153	N. I. Medagangoda; L. M. M. De Silva
15	Thiolated arsenic in natural systems: What is current, what is new and what needs to be known	Environment International Vol 115, pp 370-386	M. S. Vithanage
16	Evaluation of the WHO 2009 classification for diagnosis of acute dengue in a large cohort of adults and children in Sri Lanka during a dengue-1 epidemic	PLoS Neglected Tropical Diseases Vol 12, Iss 2, Art No e0006258	C. K. Bodinayake; A. De. S. Nagahawatte; I. V. Devasiri; R. W. K. Kodikara Arachchi; M. R. P. Kurukulasooriya; A. D. De Silva

17	Morbidity management and disability prevention for lymphatic filariasis in Sri Lanka: Current status and future prospects	PLoS Neglected Tropical DiseasesVol 12, Iss 5, Art No e0006472	T. G. A. N. Chandrasena; B. A. H. R. Premaratna; I. E. Gunaratna; N. R. de Silva
18	Quantification of dengue virus specific T cell responses and correlation with viral load and clinical disease severity in acute dengue infection	PLoS Neglected Tropical DiseasesVol 12, Iss 10, Art No e0006540	D. T. Wijeratne; B. S. M. Fernando; P. L. R. Gomes; J. M. K. C. Jeewandara; A. V. Ginneliya; P. G. S. R. Samarasekara; A. Wijewickrama; G. N. Malavige
19	Ward-based clinical pharmacists and hospital readmission: a non-randomized controlled trial in Sri Lanka	Bulletin of the World Health OrganizationVol 96, Iss 3, pp 155-164	L. G. T. Shanika; S. F. Jayamanne; C. N. Wijekoon; A. C. M. Fahim; H. A. de Silva
20	Amphotericin B for treatment of visceral leishmaniasis: systematic review and meta-analysis of prospective comparative clinical studies including dose-ranging studies	Clinical Microbiology and InfectionVol 24, Iss 6, pp 591-598	P. N. Weeratunga; S. D. Fernando; S. Rajapakse
21	Management, characteristics and outcomes of patients with acute coronary syndrome in Sri Lanka	HeartVol 104, Iss 17, pp 1424–1431	P. Galappatthy; V. R. Bataduwaarachchi; P. Ranasinghe; G. K. S. Galappatthy; M. D. M. S. Wijayabandara; D. S. Warapitiya; S. Mythily; T. N. Wickramarathna; L. D. J. U. Senarath; S. Sridharan; C. N. Wijeyaratne; R. A. I. Ekanayaka
22	Drug-Loaded Halloysite Nanotube-Reinforced Electrospun Alginate-Based Nanofibrous Scaffolds with Sustained Antimicrobial Protection	ACS Applied Materials and InterfacesVol 10, Iss 40, pp 33913-33922	R. T. De Silva; D. M. R. K. Dissanayake; M. M. M. G. P. G. Mantilaka; W. P. S. L. Wijesinghe; S. S. Kaleel; W. G. T. N. Premachandra; R. L. P. Weerasinghe; G. A. J. Amaratunga; K. M. N. de Silva
23	Performance of critical care prognostic scoring systems in low and middle-income countries: a systematic review	Critical CareVol 22, Art No 18	R. Haniffa; I. Isaam; A. P. De Silva
24	Molecular mechanisms underpinning phosphorus-use efficiency in rice	Plant Cell and EnvironmentVol 41, Iss 7, pp 1483-1496	D. M. S. B. Dissanayaka; B. Marambe

25	New insights into the cellular mechanisms of plant growth at elevated atmospheric carbon dioxide concentrations	Plant Cell and EnvironmentVol 41, Iss 6, pp 1233-1246	D. M. Gamage; S. Seneweera
26	Genetic Analysis of Babesia Isolates from Cattle with Clinical Babesiosis in Sri Lanka	Journal of Clinical MicrobiologyVol 56, Iss 11, Art No e00895-18	T. Sivakumar; H. Kothalawala; P. R. Yapa; R. Kanagaratnam; S. C. Vimalakumar; T. S. Abeysekera; A. S. Weerasingha; S. S. P. Silva
27	Impact of natural disasters on income inequality in Sri Lanka	World DevelopmentVol 105, pp 217-230	W. G. S. S. J. Keerthiratne
28	Impact of meal fatty acid composition on postprandial lipaemia, vascular function and blood pressure in postmenopausal women	Nutrition Research ReviewsVol 31, Iss 2, pp 193-203	K. M. Rathnayake
29	Effects of illegal grazing and invasive Lantana camara on Asian elephant habitat use	Biological ConservationVol 220, pp 50-59	H.K.Janaka; J.M.P.Fernando
30	Meal Fatty Acids Have Differential Effects on Postprandial Blood Pressure and Biomarkers of Endothelial Function but Not Vascular Reactivity in Postmenopausal Women in the Randomized Controlled Dietary Intervention and VAScular function (DIVAS)-2 Study	Journal of NutritionVol 148, Iss 3, pp 348-357	K. M. Rathnayake
31	A Semidistributed Approach for the Feasible Min-Max Fair Agent-Assignment Problem With Privacy Guarantees	IEEE Transactions on Control of Network SystemsVol 5, Iss 1, pp 333-344	P. C. Weeraddana
32	Effect of Antimicrobial Agents on Inflammatory Cytokines in Acute Leptospirosis	Antimicrobial Agents and ChemotherapyVol 62, Iss 5, Art No e02312-17	T. R. G. N. Fernando; N. R. de Silva; S. M. Handunnetti; L. I. Karunanayake; A. M. N. L. de Silva; H. J. de Silva; S. Rajapakse; W. S. Premawansa

33	The complex decision-making of climate-induced relocation: adaptation and loss and damage	Climate PolicyVol 18, Iss 1, pp 111-117	P. R. N. Fernando
34	Local factors affecting the spatial diffusion of residential photovoltaic adoption in Sri Lanka	Energy PolicyVol 119, pp 59-67	N. Jayaweera; C. L. Jayasinghe
35	Anisotropic generalization of well-known solutions describing relativistic self-gravitating fluid systems: an algorithm	The European Physical Journal CVol 78, Art No 31	S. Thirukkanesh; F .C. Ragel
36	Aerophagia in adolescents is associated with exposure to adverse life events and psychological maladjustment	Neurogastroenterology and MotilityVol 30, Iss 3, Art No e13224	S. Rajindrajith; S. T. Hettige; K. I. C. Gulegoda; N. Jayawickrema; S. C. de Silva; S. M. H. K. D. Sri Samarakoon; K. P. A. R. R. L. de Silva; S. Abeyagunawardena; N. M. Devanarayana
37	Assessment of material related embodied carbon of an office building in Sri Lanka	Energy and BuildingsVol 166, pp 250-257	N. Paulusz
38	Liver involvement in dengue viral infections	Reviews in Medical VirologyVol 28, Iss 2, ,Art No e1971	H. A. Dissanayake; S. L. Seneviratne
39	Adaptation to climate change in perennial cropping systems: Options, barriers and policy implications	Environmental Science and PolicyVol 82, pp 108-116	R. P. D. Gunathilaka
40	Experimental Shear Study of Rivet-Fastened Rectangular Hollow Flange Channel Beams with Web Openings	Journal of Structural EngineeringVol 144, Iss 4, Art No 04018020	K. S. Wanniarachchi

41	Seismic Shear Forces in Post-Tensioned Hybrid Precast Concrete Walls	Journal of Structural EngineeringVol 144, Iss 7, Art No 04018086	H. A. D. S. Buddika
42	Genetic diversity and population structure of malaria vector mosquitoes <i>Anopheles subpictus</i> , <i>Anopheles pedtaeniatus</i> , and <i>Anopheles vagus</i> in five districts of Sri Lanka	Malaria JournalVol 17, Art No 271	T. C. Weeraratne; S. N. Surendran; S. H. P. P. Karunaratne
43	Host genetic polymorphisms and serological response against malaria in a selected population in Sri Lanka	Malaria JournalVol 17, Art No 473	R. L. Dewasurendra; G. S. A. Gunawardena; N. V. Chandrasekharan; N. D. Karunaweera
44	Influence of Under Sleeper Pads on Ballast Behavior Under Cyclic Loading: Experimental and Numerical Studies	Journal of Geotechnical and Geoenvironmental EngineeringVol 144, Iss 9, Art No 04018068	S. K. Navaratnarajah
45	Mold growth and moss growth on tropical walls	Building and EnvironmentVol 137, pp 268-279,	C. D. Udawattha; G. A. H. H. Galkanda; R. I. S. Ariyaratna; G. Y. Jayasinghe; R. U. Halwatura
46	Attempted suicide in Sri Lanka – An epidemiological study of household and community factors	Journal of Affective Disorders Vol 232, pp 177-184,	S.F. Jayamanne; W.R. Pieris; G.K.C.P.S. Kumara; W. A. S. M. D. Weerasinghe
47	Potential impact of predicted sea level rise on carbon sink function of mangrove ecosystems with special reference to Negombo estuary, Sri Lanka	Global and Planetary ChangeVol 161, pp 162-171	K. A. R. S. Perera; K. H. W. L. de Silva; M. D. Amarasinghe
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49	Enhancement of chaotic hydrological time series prediction with real-time noise reduction using Extended Kalman Filter	Journal of HydrologyVol 565, pp 737-746	D. S. K. Karunasingha
50	Genomic insights into virulence mechanisms of Leishmania donovani: evidence from an atypical strain	BMC GenomicsVol 19, Art No 843	S. R. Samarasinghe; T. N. Samaranayake; K. K. G. D. U. L. Kariyawasam; H. V. Y. D. Siriwardana; N. D. Karunaweera
51	Degradation Control for Electric Vehicle Machines Using Nonlinear Model Predictive Control	IEEE Transactions on Control Systems TechnologyVol 26, Iss 1, pp 89-101	B. G. L. T. Samaranayake
52	The role of heme iron molecules derived from red and processed meat in the pathogenesis of colorectal carcinoma	Critical Reviews in Oncology/HematologyVol 126, pp 121-128	S. M. K. Gamage
53	Antioxidant properties of selected fruit cultivars grown in Sri Lanka	Food ChemistryVol 238, pp 203-208	K. D. R. R. Silva; M. S. F. Sirasa
54	Validation of a reversed-phase high-performance liquid chromatographic method for the determination of free amino acids in rice using L-theanine as the internal standard	Food Chemistry Vol 240, pp 196-203	G. V. V. Liyanaarachchi; K. R. R. Mahanama; H. P. P. S. Somasiri; P. A. N. Punyasiri
55	Change of phenolics, carotenoids, and antioxidant capacity following simulated gastrointestinal digestion and dialysis of selected edible green leaves	Food ChemistryVol 245, pp 371-379	K. D. P. P. Gunathilake; K. K. D. S. Ranaweera
56	Molecular epidemiology of rotaviruses in the south-east Asian region from 2009 to 2015	VaccineVol 36, Iss 51, pp 7851-7855	G. C. S. Galagoda; N. M. D. M. S. Gunasekera; N. Janakan

57	Rotavirus infection among hospitalized children under five years of age with acute watery diarrhea in Sri Lanka	VaccineVol 36, Iss 51, pp 7846-7850	P. Palihawadana; N. Janakan; G. C. S. Galagoda; J. I. Abeynayake; N. M. D. M. S. Gunasekera; W. K. V. S. Seneviratne
58	Superior solar-to-hydrogen energy conversion efficiency by visible light-driven hydrogen production via highly reduced Ti2+/Ti3+ states in blue-titanium dioxide photocatalyst	Catalysis Science and TechnologyVol 8, Iss 18, pp 4657-4664	K. N. L. De Silva; A. C. A. Jayasundera; J. Bandara
59	Evaluation of the seismic performance of suspended zipper column concentrically braced steel frames	Journal of Constructional Steel ResearchVol 150, , pp 452-461	K. K. Wijesundara
60	Analysis of an iterative scheme for approximate regulation for nonlinear systems	International Journal of Robust and Nonlinear ControlVol 28, Iss 8, pp 3140-3173	W. P. T. Hansameenu
61	Rational conflict and pre-commitment to peace	Journal of Economic Behavior and OrganizationVol 149, pp 215-238	D. V. P. Prasada
62	Performance Analysis of FDD Massive MIMO Systems Under Channel Aging	IEEE Transactions on Wireless CommunicationsVol 17, Iss 2, pp 1094-1108	S. A. H. A. Suraweera
63	Uplink/Downlink Rate Analysis and Impact of Power Allocation for Full-Duplex Cloud-RANs	IEEE Transactions on Wireless CommunicationsVol 17, Iss 9, pp 5774-5788	S. A. H. A. Suraweera
64	Optimizing Sowing and Flooding Depth for Anaerobic Germination-Tolerant Genotypes to Enhance Crop Establishment, Early Growth, and Weed Management in Dry-Seeded Rice (<i>Oryza sativa</i> L.)	Frontiers in Plant ScienceVol 9, Art No 1654	H. K. B. S. Chamara; B. Marambe

65	Molecular Basis and Genetic Modifiers of Thalassemia	Hematology/Oncology Clinics of North AmericaVol 32, Iss 2, pp 177-191	D. S. G. Mettananda
66	Enhancing pharmacists' role in developing countries to overcome the challenge of antimicrobial resistance: a narrative review	Antimicrobial Resistance and Infection ControlVol 7, Art No 63	M. H. F. Sakeena
67	Renal manifestations of dengue virus infections	Journal of Clinical Virology Vol 101, pp 1-6	N. P. Gurugama; U. Jayarajah; J. K. P. Wanigasuriya; A. Wijewickrama; A. J. Perera; S. L. Seneviratne
68	Measuring disease progression and disability in orthostatic tremor	Parkinsonism and Related DisordersVol 55, pp 138-140	Y. V. N. D. Sirisena
69	Health status of returning refugees, internally displaced persons, and the host community in a post-conflict district in northern Sri Lanka: a cross-sectional survey	Conflict and HealthVol 12, Art No 41	K. Wickramage
70	Characterizing Mobilized Virulence Factors and Multidrug Resistance Genes in Carbapenemase-Producing Klebsiella pneumoniae in a Sri Lankan Hospital	Frontiers in Microbiology Vol 9, Art No 02044	L. V. C. Liyanapathirana; M. V. G. Pinto; B. N. Dissanayake
71	Nutrient cycling in a tropical montane rainforest under a supply-limited weathering regime traced by elemental mass balances and Mg stable isotopes	Chemical GeologyVol 497, pp 74-87	A. L. T. Hewawasam
72	Life cycle environmental impacts of the apparel industry in Sri Lanka: Analysis of the energy sources	Journal of Cleaner ProductionVol 172, pp 1346-1357	T. T. Muthukumarana; H. K. G. Punchihewa; M. M. I. D. Manthilake

73	Introducing energy efficient technologies in small- and medium-sized enterprises in the apparel industry: A case study of Sri Lanka	Journal of Cleaner ProductionVol 178, pp 247-257	S. M. Pathirana
74	Financial and environmental sustainability in manufacturing of crepe rubber in terms of material flow analysis, material flow cost accounting and life cycle assessment	Journal of Cleaner ProductionVol 182, pp 587-599	V. H. I. Rodrigo
75	Green human resource management: A proposed model in the context of Sri Lanka's tourism industry	Journal of Cleaner ProductionVol 201, pp 542-555	J. Siyambalapitiya
76	Regulatory T-cells in acute dengue viral infection	ImmunologyVol 154, Iss 1, pp 89-97	H. E. Jayaratne; D. T. Wijeratne; B. S. M. Fernando; A. I. Kamaladasa; P. L. R. Gomes; A. Wijewickrama; G. N. Malavige
77	Use of fumed silica nanoparticles to attain polymer free novel quasi-solid state electrolyte for high-efficiency dye-sensitized solar cells	Solar EnergyVol 159, pp 531-537	A. M. C. Senevirathne; V. A. Seneviratne; O. A. Ileperuma
78	A rational design of high efficient and low-cost dye sensitizer with exceptional absorptions: Computational study of cyanidin based organic sensitizer	Solar EnergyVol 161, pp 83-89	K. Galappaththi
79	Strain and layer modulated electronic and optical properties of low dimensional perovskite methylammonium lead iodide: Implications to solar cells	Solar EnergyVol 173, pp 1315-1322	P. M. W. P. Sampath; M. L. C. Attygalle
80	Earliest Musa banana from the late Quaternary sequence at Fahien Rock Shelter in Sri Lanka	Journal of Quaternary ScienceVol 33, Iss 6, pp 624-638	T. R. Premathilake

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84	A forecasting model for dengue incidence in the District of Gampaha, Sri Lanka	Parasites & VectorsVol 11, Art No 262	G. P. W. K. Withanage; S. D. Viswakula; Y. I. N. Silva Gunawardene; G. P. G. M. D. Hapugoda
85	Empirical optimization of risk thresholds for dengue: an approach towards entomological management of <i>Aedes</i> mosquitoes based on larval indices in the Kandy District of Sri Lanka	Parasites & VectorsVol 11, Art No 368	N. W. B. A. L. Udayanga; P. A. D. H. N. Gunathilaka; M. C. M. Iqbal; M. M. M. Najim; P.H.D. Kusumawathie; W. Abeyewickreme
86	Comprehensive evaluation of demographic, socio-economic and other associated risk factors affecting the occurrence of dengue incidence among Colombo and Kandy Districts of Sri Lanka: a cross-sectional study	Parasites & VectorsVol 11, Art No 478	N. W. B. A. L. Udayanga; P. A. D. H. N. Gunathilaka; M. C. M. Iqbal; M. G. K. Lakmal; U. S. Amarasinghe; W. Abeyewickreme
87	DNA barcoding of morphologically characterized mosquitoes belonging to the subfamily Culicinae from Sri Lanka	Parasites & vectorsVol 11, Art No 266	T. C. Weeraratne; S. N. Surendran; S. H. P. P. Karunaratne
88	First report of V1016G and S989P knockdown resistant (kdr) mutations in pyrethroid-resistant Sri Lankan <i>Aedes aegypti</i> mosquitoes	Parasites & vectorsVol 11, Art No 526	H. S. D. Fernando; G. P. G. M. D. Hapugoda; B. G. D. N. K. De Silva

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92	Sono-photocatalytic production of hydrogen by interface modified metal oxide insulators	Ultrasonics - SonochemistryVol 45, pp 279-285	R. D. Senevirathne; A. M. K. L. Abeykoon; K. N. L. Silva; J. Bandara
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95	Sustainability of natural rubber processing can be improved: A case study with crepe rubber manufacturing in Sri Lanka	Resources, Conservation and RecyclingVol 133, pp 417-427	V. H. L. Rodrigo
96	Influence of bioenergy waste biochar on proton- and ligand-promoted release of Pb and Cu in a shooting range soil	Science of the Total EnvironmentVol 625, pp 547-554	S. M. P. R. Kumarathilaka; P. H. M. I. D. K. Herath; W. D. K. Mahatantila; B. C. L. Athapattu; M. S. Vithanage

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100	Non-prescription sales of antimicrobial agents at community pharmacies in developing countries: a systematic review	International Journal of Antimicrobial Agents Vol 52, Iss 6, pp 771-782	M. H. F. Sakeena