



RESEARCH GRANTS OUSL STAFF 2022

THE OPEN UNIVERSITY OF SRI LANKA

Faculty Research Grants – 2022

Name	Faculty	Title
Dr. A.G.B. Arugoda	Engineering and Technology	In vitro multification and investigation of antimicrobial properties of <i>Curcuma oligantha Trimen var lutea</i>
N. S. Weerakkody	Engineering and Technology	FC/345/14:03 Development of Hand Sanitizer using <i>Alpinia malaccensis</i> Crude Extract
Prof. Kalaivani Vivehananthan Ms. K.K.D.S. De Silva	Health Sciences	Assessing Student Performance using On-line Teaching Methods through Audio, Video Materials for the Course Molecular Diagnostics.
B.G.Ransirini De Silva	Health Sciences	Mixed-Method Exploration of Post-COVID Minority Distress and Resilience in Sri Lanka's LGBTQIA+ Community
Dr. K.A. Sriyani Dr. H.E. Yapa Dr. M.P.K.W. Abhayasinghe Ms.W.A.N.I. Weerasinghe	Health Sciences	Predictors of online student engagement of undergraduate nursing students of the Open University of Sri Lanka and their perceptions and psychosocial experiences of online learning during COVID 19 outbreak in Sri Lanka.
Prof. Nalin Abesekara	Management Studies	Uses, Gratification and Barriers to the Continuous use of online learning platform.
Ms. M.D.J.S. Saparamadu	Natural Sciences	A field trial on application of research findings on prevention of color formation in tube well water of Chawakachcheriya area.
Dr. N. Nilakarawasam	Natural Sciences	In vitro study of possible hypocholesterolemic mechanisms, cytotoxic and genotoxic activity of <i>Phyllanthus maderaspatensis</i> L
Prof. R. Senthilinity	Natural Sciences	Exploring novel therapeutic compounds to inhibit human DNA methyltransferase using some selective compounds in Sri Lanka Flora Database: <i>In-Silico</i> approach.

Dr. Saminda Fernando	Natural Sciences	Roosting ecology, morphometrics and genetic affiliations of <i>Pteropus giganteus</i> (Indian flying fox) in Sri Lanka
Prof. S.R. Weerakoon	Natural Sciences	Geographical mapping of <i>Phyllanthus maderaspatensis</i> in different locations of Sri Lanka and comparison of phytochemical composition of antihypercholesterolemic methanolic fractions.
Prof. G.K.R. Senadeera	Natural Sciences	Synthesis and applications of novel quasi solid polymer electrolytes based on polymeric nano fibres and their applications in dye/Qdot sensitized solar cells.
Dr. S. K. Rodrigo	Natural Sciences	Sustained release of anti-dandruff natural compounds via nano-/micro-particle formulation as a possible cosmeceutical product.
Dr. T.S.P. Fernando	Natural Sciences	Roosting ecology, morphometrics and genetic affinities of <i>Pteropus giganteus</i> (Indian flying fox) in Sri Lanka
Dr. S.M.M.P.K. Seneviratne	Natural Sciences	Effect of prolonged drought followed by rewetting on soil microbial activity and soil nutrient availability.

Competitive Research Grants – 2022

Name	Faculty/ Department	Title
Dr. A.G.B. Aruggoda	Faculty of Engineering Technology - Department of Agriculture and Plantation Engineering	Green Synthesis of nanoparticles as fertilizers for increasing agronomic performances of Chille (<i>Capsicum annum</i>)
Dr. C.D. Jayasinghe	Faculty of Natural Sciences - Department of Zoology	Investigation on the genetic predisposition of Monoamine Oxidase A (MAOA) and Dopamine Transporter 1 (DAT 1) genes and socio-environmental predispositions of violent behaviour of male convicts in Sri Lanka.
Dr. U.A. Jayawardena	Faculty of Natural Sciences – Department of Zoology	Microplastics in marine ecosystem: Contamination in different trophic levels of coastal food web, in Morawala reef and Negombo lagoon.of Sri Lanka.

Other Grants – 2022

Name	Name of the Grant	Title
Prof. Kalaivani Vivehananthan	NRC - Investigator Driven Grant	Evaluation and Characterization of Biofilm-forming Bacteria from Water Plumbing System for developing Biofilm free Nano-coated Water Pipelines
Prof. Shironica P. Karunanayaka (Faculty of Education)	Financial support provided by the Commonwealth of Learning (COL), Canada, through a Contribution Agreement with OUSL, for a collaborative research project on implementing the C-DELTA programme	Commonwealth Digital Education Leadership Training in Action (C-DELTA) implementation for Teachers and Students at the Secondary School Level in Sri Lanka
Dr. P. V. H. K. Ransinghe	UNESCO-TWAS Research Grant	Evaluation of $[\text{Re}(\text{CO})_3\text{L}]^+$ Complexes of L = NN(SO ₂ R)N-Type Linear Tridentate Sulfonamide Ligands as Theragnostic PhotoCORMs (Photo-Activated CO Releasing Molecules).
Prof. G.K.R. Senadeera Prof. J.C.N. Rajendra Dr. N. Karthikeyan Dr. L. Wijenayaka	World Bank through Accelerating Higher Education Expansion and Development (AHEAD) Operation. Development Oriented Research (DOR) STEMS Grants (DOR-9) 40 m	Engineering nanomaterials for photovoltaic and environmental remedial applications
Dr. D.T.Wijeratne	Early career fellowship award offered by the Organization for Women in Science for the Developing World (OWSD)-UNESCO programme	Association of functional peripheral blood Natural Killer cell responses with clinical disease severity of dengue viral infection.