

Department of Biosystems Technology, Faculty of Technology, University of Ruhuna.

Details of Dissertation

Bachelor of Biosystems Technology (Honours), 2018 Batch (1)

December - 2023

No	Item No / Acc No	Index No	Name	Title of the Project	Name of the Supervisor	Year	Degree	Department
01	116	TG/2018/428	Kulathunge C.H.	Identification of Ecotourism Potential In Kamburupitiya Divisional Secretariat Division Matara, Sri Lanka	Supervisor - Dr. Niranjan Kannangara Co-Supervisor Mrs. Champika Jayaweera	December 2023	Bachelor of Biosystems Technology	Department of Biosystems Technology
02	117	TG/2018/429	Lakmali W.A.D.	Enhancement of Meat Curry Powder Adding Tomato and Garlic	Supervisor - Dr. Thissa Karunaratne Co-Supervisor Dr. (Mrs.) Wathsala Rajawatta	December 2023	Bachelor of Biosystems Technology	Department of Biosystems Technology
03	118	TG/2018/430	Priyashan K.A.S.S.	Enrichment of Drinking Yoghurt by Adding Different Edible Oils	Supervisor - Dr. Thissa Karunaratne Co-Supervisor Dr. (Mrs.) Wathsala Rajawatta	December 2023	Bachelor of Biosystems Technology	Department of Biosystems Technology
04	119	TG/2018/431	Jayasundara J.M.N.M.B.	Growth Performance of Solid Structural Based Hydroponically Grown Balack Pepper (piper nigrum L) Cultivation in A Polytunnel	Supervisor - Dr. (Mrs.) Wathsala Rajawatta Co-Supervisor Mrs. Champika Jayaweera	December 2023	Bachelor of Biosystems Technology	Department of Biosystems Technology
05	120	TG/2018/432	Indunil A.K.A.	Formulation of Instant Meal	Supervisor - Dr. (Mrs.) H.C.C. De Silva Co-Supervisor Dr. (Mrs.) Wathsala Rajawatta	December 2023	Bachelor of Biosystems Technology	Department of Biosystems Technology

06	121	TG/2018/433	Subasinghe I.L.P.	Vegetable Tanning Materials for Processing of Rough Trigger Fish (<i>Canthidermis maculata</i>) (BLOCH - 1786) Skin in to Leather and its Plotting to Leather Products.	Supervisor - Dr. (Mrs.) H.C.C. De Silva Co-Supervisor Mrs. R.D.N. Wijesinghe	December 2023	Bachelor of Biosystems Technology	Department of of Biosystems Technology
07	122	TG/2018/434	Sayanthan U.	Analysis of Phosphate Adsorption and Quality Of Guinea Grass (<i>Megathyrus maximus</i>) Biochar.	Supervisor - Dr. Thissa Karunarathne Co-Supervisor Dr. (Mrs.) Wathsala Rajawatta	December 2023	Bachelor of Biosystems Technology	Department of of Biosystems Technology
08	123	TG/2018/435	Bandara P.D.M.R.A.C.	Effect of Electrical Conductivity and Feeding Time of the Nutrient Solution on Growth, and Yield of Basil (<i>Ocimum basilicum</i>) in Nutrient Film Technique	Internal Supervisor - Dr. (Mrs.) Wathsala Rajawatta External Supervisor Mr. H.K.M.S. Kumarasinghe	December 2023	Bachelor of Biosystems Technology	Department of of Biosystems Technology
09	124	TG/2018/437	Batugedara B.M.H.S.	Study the Effect of Azolla (<i>Azolla pinnata</i>) Based Organic Fertilizer on Growth and Yield of Chilli (<i>Capsicum annum</i>)	Supervisor - Dr. Thissa Karunarathne Co-Supervisor Dr. (Mrs.) Wathsala Rajawatta	December 2023	Bachelor of Biosystems Technology	Department of of Biosystems Technology
10	125	TG/2018/438	Komala T.	Assesment of Microplastic Pollution and Water Quality in Lenabatuwa Tank Kaburupitiya, Matara.	Supervisor - Dr. Niranjan Kannangara Co-Supervisor Dr. (Mrs.) H.C.C. Silva	December 2023	Bachelor of Biosystems Technology	Department of of Biosystems Technology
11	126	TG/2018/440	Jayawardhana I.V.	Evaluating the Efficacy of Sri Lankan Jackal (Fox) Vocalizations as a Deterrent for Peacock, Damaging The Paddy Cultivation (Kamburupitiya)	Supervisor - Dr. Niranjan Kannangara Co-Supervisor Dr. (Mrs.) Wathsala Rajawatta	December 2023	Bachelor of Biosystems Technology	Department of of Biosystems Technology
12	127	TG/2018/442	Sathsarani S.N.D.	Developmet of Ribbon Pasta from Purple Yam Composite Flour	Supervisor - Dr. (Mrs.) H.C.C. De Silva	December 2023	Bachelor of Biosystems Technology	Department of of Biosystems Technology
13	128	TG/2018/443	Samarawickrama S.W.A.L.P.	Chemicaland Sensory Analysis of Wine Formulated Rom Flowers of Blue Butterfly Pea (<i>Clitoria ternatea</i>) And Cardomom (<i>Elettaria cardamomum</i>)	Supervisor - Dr. (Mrs.) Wathsala Rajawatta Co-Supervisor Dr. Thissa Karunarathne	December 2023	Bachelor of Biosystems Technology	Department of of Biosystems Technology

14	129	TG/2018/444	Weerasinghe P.W.K.T.	Effect of Different Types of Organic Fertilizers on Growth and Yierld of Water Spinach (<i>Ipomoea aquatica</i>) Under Hydroponic System	Principal Supervisor - Dr. (Mrs.) K.M.C. Fernando Internal Supervisor Dr. (Mrs.) Wathsala Rajawatta	December 2023	Bachelor of Biosystems Technology	Departmnet of of Biosystems Technology
15	130	TG/2018/445	Jayaweera W.S.S.	Development of Azolla (<i>Azolla Pinnata</i>) and Banana (<i>Musaceae</i>) Peel Based Organic Liquid Fertilizer	Supervisor - Dr. (Mrs.) Wathsala Rajawatta Co-Supervisor Dr. Thissa Karunarathne	December 2023	Bachelor of Biosystems Technology	Departmnet of of Biosystems Technology
16	131	TG/2018/446	Kanchana W.A.M.	Acceleration of Sugarcane (<i>Saccharum officinarum</i>) Trash Decomposition Using <i>Trichoderma Asperellum</i> , Cattle Manure and High-Grade Eppawala Rock Phosphate	Supervisor - Dr. (Mrs.) Wathsala Rajawatta Co-Supervisor Mrs. Champika Jayaweera	December 2023	Bachelor of Biosystems Technology	Departmnet of of Biosystems Technology
17	132	TG/2018/447	Lakshan V.J.	Kidaram (<i>Amorphophallus Paeoniifolius</i>) Tuber-Inspired Antimicrobial Adhesive Plasters : A Noval Approach For Microbe Resistance In Wound Care	Supervisor - Dr. (Mrs.) H.C.C. De Silva	December 2023	Bachelor of Biosystems Technology	Departmnet of of Biosystems Technology
18	133	TG/2018/448	Abeyrathna A.G.H.E.	Evaluating the Potential of Locally Available Source as Solidifying Agent in Micropropagation (Tara roots (<i>Colocasia esculenta</i> (L)), Jackfruit seed (<i>Artocarpus heterophyllus</i>) and Sweet Potato (<i>ipomoea batatas</i>))	Supervisor - Dr. (Mrs.) H.C.C. De Silva Co-Supervisor Dr. (Mrs.) Wathsala Rajawatta External Supervisor Mr. Rohanadheera	December 2023	Bachelor of Biosystems Technology	Departmnet of of Biosystems Technology
19	134	TG/2018/449	Gunarathna K.K.B.T.J.	Formulation of Glass Noodles From Locally Available Roots and Tuber Crops in Sri Lanka	Supervisor - Dr. (Mrs.) H.C.C. De Silva	December 2023	Bachelor of Biosystems Technology	Departmnet of of Biosystems Technology
20	135	TG/2018/450	Sharmila M.L.C.	To Develop high Protein Fish Feed Using Fish Blood and Chicken Liver for Carnivorous Fish Species (<i>Betta splendens</i>)	Supervisor - Dr. (Mrs.) H.C.C. De Silva	December 2023	Bachelor of Biosystems Technology	Departmnet of of Biosystems Technology
21	136	TG/2018/451	Kumara I.H.L.	Evaluate Ammonium Adsorption Efficiency and Quality Characteristics of Biochar Derived from Fish Waste	Supervisor - Dr. Thissa Karunarathne Co-Supervisor Dr. (Mrs.) H.C.C. De Silva	December 2023	Bachelor of Biosystems Technology	Departmnet of of Biosystems Technology

22	137	TG/2018/452	Kothalawala A.S.	Production of Solid Soap Using Pineapple Peel and Banana Peel for Sustainable Utilization of Agricultural waste	Supervisor - Dr. Niranjan Kannangara Co-Supervisor Mrs. Champika Jayaweera	December 2023	Bachelor of Biosystems Technology	Department of of Biosystems Technology
23	138	TG/2018/453	Wasundara H.M.D.	Potential Use of Natural Plant extract to Determination of Deteriorated Milk	Supervisor - Dr. Thissa Karunaratne Co-Supervisor Dr. Niranjan Kannangara	December 2023	Bachelor of Biosystems Technology	Department of of Biosystems Technology
24	139	TG/2018/454	Wijayalath W.H.D.N.	Effect of Electroculture on Growth and Yield Parameters of Radish (<i>Raphanus sativus</i>)	Supervisor - Dr. (Mrs.) Wathsala Rajawatta Co-Supervisor Dr. Thissa Karunaratne	December 2023	Bachelor of Biosystems Technology	Department of of Biosystems Technology
25	140	TG/2018/457	Gunarathna P.M.T.	Potential of Manufacturing Biodegradable Plates Using Kottan (<i>Terminalia catappa</i>) Leaves	Principal Supervisor - Dr. (Mrs.) K.M.C. Fernando Internal Supervisor Dr. (Mrs.) Wathsala Rajawatta Co-Supervisor Eng (Mr.) M.P. Akesh Deemantha	December 2023	Bachelor of Biosystems Technology	Department of of Biosystems Technology
26	141	TG/2018/458	Kaumadee B.W.S.	Evaluating the Potential of Indian Shot (<i>Canna edulis</i>) and Arrowroot (<i>Maranta arundinacea</i>) as Solidifying Agent in Micro Propagation Media of Banana (<i>Musa sp.</i>)	Supervisor - Dr. (Mrs.) H.C.C. De Silva Co-Supervisor Dr. (Mrs.) Wathsala Rajawatta External Supervisor Mr. Rohanadheera	December 2023	Bachelor of Biosystems Technology	Department of of Biosystems Technology
27	142	TG/2018/459	Rathnayaka U.M.S.S.	Develop a Wine From <i>Cocos Nucifera Var Aurantiaca</i> (King Coconut Water) and <i>Ixora Coccinea</i> (Rathmal)	Supervisor - Dr. (Mrs.) H.C.C. De Silva	December 2023	Bachelor of Biosystems Technology	Department of of Biosystems Technology
28	143	TG/2018/460	Meegahawatte G.O.	Formulation of Long-Lasting Natural Perfume Using Orange Jasmine Flowers, Rose Flowers and Ripen Jackfruit Pulp.	Supervisor - Dr. Thissa Karunaratne Co-Supervisor Dr. (Mrs.) Wathsala Rajawatta	December 2023	Bachelor of Biosystems Technology	Department of of Biosystems Technology

29	144	TG/2018/461	Lakmali M.P.U.	Preparation of Banana Cracker Using Ripened Sugar Banana (<i>Musa acuminata</i>)	Supervisor - Dr. (Mrs.) H.C.C. De Silva	December 2023	Bachelor of Biosystems Technology	Department of Biosystems Technology
30	145	TG/2018/462	Janopikumar A.	Assessment of Restoration Success of a Nine-Year-Old Mangrove Plantation in Kalpitiya: Insight Towards Mangrove Conservation and Management	Supervisor - Dr. Niranjan Kannangara	December 2023	Bachelor of Biosystems Technology	Department of Biosystems Technology
31	146	TG/2018/463	Nirasha T.M.H.	Development of Hot Water Soluble Instant Venivelgeta Powder (<i>Coscinium fenestratum</i> (Gaertn.) Colebr.)	Supervisor - Dr. Thissa Karunaratne Co-Supervisor Dr. (Mrs.) Wathsala Rajawatta	December 2023	Bachelor of Biosystems Technology	Department of Biosystems Technology
32	147	TG/2018/464	Pavithrani J.K.P.G.S.	Preliminary Study of Water and Ethanolic Extraction Of <i>Cyclea Peltata</i> as a Plant Based Alternative For Gelatin	Supervisor - Dr. Thissa Karunaratne Co-Supervisor Dr. (Mrs.) Wathsala Rajawatta	December 2023	Bachelor of Biosystems Technology	Department of Biosystems Technology
33	148	TG/2018/465	Maduwanthi P.I.	Evaluation of Physicochemical Properties of Monarakudumbiya (<i>Vernonia cinerea</i>) And Curry Leaves (<i>Murraya koenigii</i>) Mixed Herbal Porridge Powder	Supervisor - Dr. Thissa Karunaratne Co-Supervisor Dr. Niranjan Kannangara	December 2023	Bachelor of Biosystems Technology	Department of Biosystems Technology
34	149	TG/2018/466	Premaratne S.P.	Synthesis of the Corn Cob Biochar to Reduce the Leaching of Nitrogen Based Fertilizer	Supervisor - Dr. Thissa Karunaratne Co-Supervisor Dr. (Mrs.) Wathsala Rajawatta	December 2023	Bachelor of Biosystems Technology	Department of Biosystems Technology
35	150	TG/2018/467	Dilhara M.G.H.	Development of nut Cracking Device for Local Almond (<i>Terminalia catappa</i>)	Principal Supervisor - Dr. (Mrs.) K.M.C. Fernando Internal Supervisor Dr. (Mrs.) Wathsala Rajawatta Co-Supervisor Eng (Mr.) M.P. Akesh Deemantha	December 2023	Bachelor of Biosystems Technology	Department of Biosystems Technology
36	151	TG/2018/468	Weerathunga W.M.N.D.V.	Assessment of Microplastic in Nilawala River with Special Reference To Potable Water Extraction Point in Malimbada And Kadduwa	Supervisor - Dr. Niranjan Kannangara Co-Supervisor Dr. Thissa Karunaratne	December 2023	Bachelor of Biosystems Technology	Department of Biosystems Technology

37	152	TG/2018/469	Bandara R.A.D.M.M.M.H.	Development of Value - Added Mushroom Soup Cube Enriched with Moringa (<i>Moringa oleifera</i>) Leaves And Pumpking (<i>Cucurbita Pepo</i>)	Supervisor - Dr. (Mrs.) Wathsala Rajawatta Co-Supervisor Thissa Karunarathne	December 2023	Bachelor of Biosystems Technology	Department of of Biosystems Technology
38	153	TG/2018/470	Navodya G.L.R.	Effect of Storage Period and Value Addition on Consumer Preference of <i>Terminalia Catappa</i> L. Kernels	Principal Supervisor - Dr. (Mrs.) K.M.C. Fernando Internal Supervisor Dr. (Mrs.) Wathsala Rajawatta	December 2023	Bachelor of Biosystems Technology	Department of of Biosystems Technology
39	154	TG/2018/471	Navanandana H.N.I.S.	Development of Gluten Free Snack from Composite Powder of Butternut Squash (<i>Cucurbita moschata</i>) and Corn (<i>Zea mays</i>)	Supervisor - Dr. (Mrs.) Wathsala Rajawatta Co-Supervisor Dr. (Mrs.) H.C.C. De Silva	December 2023	Bachelor of Biosystems Technology	Department of of Biosystems Technology
40	155	TG/2018/472	Widushani A.J.M.T.K.	Comparison of Growth of Betel (<i>Piper betel</i> L.) Grown Under Polytonel and Open Environment with Different Shading Levels and Moderate Albetr's Solutions.	Internal Supervisor - Dr. (Mrs.) Wathsala Rajawatta External Supervisor Mr. H.K.M.S. Kumarasinghe	December 2023	Bachelor of Biosystems Technology	Department of of Biosystems Technology
41	156	TG/2018/473	Jayamali S.N.	Reduction of Water Hardness Using Eco-Friendly Bio Materials.	Supervisor - Dr. (Mrs.) Wathsala Rajawatta Co-Supervisor Dr. Niranjan Kannangara	December 2023	Bachelor of Biosystems Technology	Department of of Biosystems Technology
42	157	TG/2018/474	Madhushika J.P.P.	Determination of Water Spinach Plant Growth in the Aquaponics Raft System Under LED and Sunlight	Supervisor - Dr. (Mrs.) Wathsala Rajawatta Co-Supervisor Dr. (Mrs.) H.C.C. De Silva	December 2023	Bachelor of Biosystems Technology	Department of of Biosystems Technology
43	158	TG/2018/475	Wijesiri R.A.N.J.S.	Pumpkin Flower as a Carotenoid Source on Coloration and Growth Performance of Sword Tail fish (<i>Xiphophorus helleri</i>) in a Aquarium Conditions	Supervisor - Dr. (Mrs.) H.C.C. De Silva Co-Supervisor Dr. (Mrs.) Wathsala Rajawatta	December 2023	Bachelor of Biosystems Technology	Department of of Biosystems Technology