



# **RESEARCH PUBLICATIONS OUSL STAFF 2021**

**THE OPEN UNIVERSITY OF SRI LANKA**

**RESEARCH  
PUBLICATIONS OF  
OUSL STAFF- 2021**



**THE OPEN UNIVERSITY OF SRI LANKA**

## **PREFACE**

Academic staff of the Open University Sri Lanka have published their works in various research forums. This report documents research publications of OUSL academic staff in terms of books, book chapters, publications in indexed Journals, refereed Journals and all of the material published in conferences and workshop papers presented in 2021. These publications have been made from the various research collaborations from OUSL staff through several research grants nationally and internationally in year 2021. In addition, considerable funds were released through OUSL funds and competitive research grants from University Grant Commission. The database was compiled through the information given in Google scholar, Research Gate, all Deans of the Faculties, Directors of Institutes, Heads of the Departments and personal communication from the OUSL staff. Research Unit appreciates their collaborations throughout the compilation of this report. Readers are referred to the annual publications list from each Faculty/Institute/Division that details all of the material published, and conference and workshop papers presented by OUSL staff in 2021. The summary of the publications of each Faculty/Institute/Division is separately documented. The final section contains a summary of all publications of the Open University of Sri Lanka. I am pleased to report that a total of 34 books/book chapters, 182 journal articles and 287 conference proceedings were published by the OUSL staff in year 2021.

Research Unit expects that the details provided from this document enable all academic staff members, Management of OUSL and all stakeholders to identify the loopholes, planning and design the future direction of the research of OUSL that might come up with the Strategic Management Plan of 2017-2021.

The assistance provided by Ms.B.P.V.Subodha and Ms.Y.P.Ranasinghe in collecting and compiling this dataset is greatly acknowledged.

Prof. S.R. Weerakoon  
*Director/Research*  
*The Open University of Sri Lanka*  
*24<sup>th</sup> February 2021*

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# **FACULTY OF EDUCATION**

## FACULTY OF EDUCATION

Department	Books/ Book Chapters	Journal Publications	Conference proceedings /abstracts/ extended abstracts
Department of Early Childhood & Primary Education	4	9	3
Department of Secondary & Tertiary Education	2	16	26
Department of Special Needs Education	1	3	4
<b>Total</b>	<b>07</b>	<b>28</b>	<b>33</b>

### DEPARTMENT OF EARLY CHILDHOOD & PRIMARY EDUCATION

#### Books/ Book Chapters

1. Hummel, S., Sheehan, B., Monirith, L., & Mukunthan, T. (2021). *Excellence in Teaching. Profession-Specific Competences of Primary School Teachers: Assessing Learning Results* In: S. Hummel, ed. CONTESSA: Contemporary Teaching Skills for South-East Asia (pp. 92-124) University of Graz.  
<https://doi.org/10.25364/401.2021.CONTESSA.2.2>
2. Hummel. S., Sheehan.B., Monirith.L., Munasinghe. D.M.W., Thilakarathna. S. (2021). *Contessa: Contemporary Teaching Skills for South -East Asia - Building Blocks of Primary Education, 1.2. Lesson Planning and Methodological Skills.*

3. Mukunthan, T. (2021). *Pre-School Education (முன்பள்ளிக்கல்வி)*. Jaffna Jeevanathy Publication ISBN 978550958672.
4. Munasinghe. M., Weerasiriwardena. C., Mudiyanse. R. (2021). *Theories and Philosophies of Education National Curriculum Guideline, Teacher guide with collaboration with National Institute of Education & National Secretariat for Early Childhood Development*.

### **Journal Publications**

1. Jesuiya, D.Priyadarshani, H. D. C., (2021). *Teacher's Perception on Online Teaching Method during COVID-19: With Reference to School Level Teachers at Faculty of Education*, the Open University of Sri Lanka. Shanlax International Journal of Education, 9(2), 132-140.
2. Mukunthan, T. (2021) Primary School Children's Errors in addition. *Asian Journal of Multidimensional Research* 10 (3), 15-25. [https://DOI: 10.5958/2278-4853.2021.00131.2](https://DOI:10.5958/2278-4853.2021.00131.2)
3. Mukunthan, T. (2021) Primary School Children's Errors in Mathematical Division. *International Journal of Physical and Social Science* 11(4). 32-43.
4. Mukunthan, T. (2021) Sri Lankan elementary school children's errors in multiplication. *International Journal of Research in Social Sciences*, 11 (4) 77-87.
5. Mukunthan, T. (2021). Errors made by children in subtraction. *ACADEMICIA: An International Multidisciplinary Research Journal*, 11(3), 407-416. [https://DOI: 10.5958/2249-7137.2021.00623.6](https://DOI:10.5958/2249-7137.2021.00623.6)
6. Mukunthan, T., & Anantharajah , S. (2021). Reading interests of primary school children. *Muallim Journal of Social Sciences and Humanities*, 5(2), 102-112. <https://doi.org/10.33306/mjssh/124>
7. Munasinghe, D.M.W. (2021) *Perception of School Community on introducing Activity -Based Oral English for Students in Government School system*. Published ACADEMICIA: An International Multidisciplinary Research Journal, ISSN: 2249-7137 Vol. 11, Issue 12, December 2021, <https://saarj.com>

8. Munasinghe. D.M.W. (2021) *The Creativity develops through language for the Preschool Child in the 21<sup>st</sup> Century, International Journal of Research in Social Sciences*, <http://www.ijmra.us>
9. Tharanga, I. S., & Ketheeswaran, K. (2021). ORAL HEALTH EDUCATION IN THE CLASSROOM AND IT'S INFLUENCE ON COMPETENCIES AND HEALTH HABITS OF YOUNG ADULTS IN SRI LANKA. *Isagoge-Journal of Humanities and Social Sciences*, 1(7), 107-122.

### **Conference proceedings/abstracts/extended abstracts**

1. Dilani. J, Priyadarshani, H. D. C., & Maheshika ,L (2021).The Impact of Part-Time Jobs on Student's Academic Performances, *IRCUWU Uwa Conference*.
2. De Silva D.V.M., Anuruddhika B.G.H., Rathnayake R.N.P., Alwis K.A.C., Kugamoorthy S., Ketheeswaran K., Deepthini D.D.I., Chathurika D, Weerakoon W.M.S. (2021). Difficulties Encountered by the Students in Completing the Research Project in Undergraduate Degree Programmes, *Open University Research Sessions (OURS)*, 16th & 17th September 2021, OUSL, Sri Lanka.
3. Munsinghe, M., Mukunthan, T. (2021). An analysis of the extent to which students use the facilities provided by the open university of Sri Lanka. *Open University Research Session 2021(OURS)*, The Open University of Sri Lanka ,Nawala.

## **DEPARTMENT OF SECONDARY & TERTIARY EDUCATION**

### **Books/ Book Chapters**

1. Hummel, S., Brodacz-Geier, M., Perera, K.D.R.L.J., Siriwardena, M.G.D.A., & Monirith, L. (2021). Digital teaching and learning e-pedagogy and digitally enhanced learning environments In: S. Hummel, ed. *CONTESSA: Contemporary Teaching Skills for South-East Asia* (pp. 254-275). University of Graz.  
<https://doi.org/10.25364/401.2021.CONTESSA>.



2. Irugalbandara, A. I. (2021). *New Approach to Aesthetic Education. Sri Lanka: Shiksha Publications..*

### **Journal Publications**

1. Careemdeen, J. D. and Awang M. M, (2021). The Relationship between Social Capital and Soft Skills among University Students. *Journal of Education, Society and Behavioural Science* ISSN: 2456-981X, 34(10): 40-46, 2021; Article no.JESBS.74371. (Past name: British Journal of Education, Society & Behavioural Science, Past ISSN: 2278-0998).
2. Careemdeen, J. D., Awang M. M, and Ahmad A. R., (2021). The Influence of Social Pedagogy Towards Educational Well-Being in Sri Lanka. *The New Educational Review, Vol 65, No 03.* ISSN 1732-6729 (Scopus).
3. Careemdeen, J. D., Awang M. M, and Ahmad A. R., Dahalan, S (2021). Instrument Development for Socio-Educational Support and Socio-Educational Participation towards Educational Well-Being. *Journal of Educational and Social Research. Vol 11 No 5,* E-ISSN 2240-0524, ISSN 2239-978X. (Scopus).  
<https://scie-journal.com/index.php/SiLeT/article/view/81>
4. Irugalbandara, A. I. (2021). The potential of Zoom technology for enabling creativity in the drama classroom through peer-assisted learning and group collaboration in pre service teacher education. *NJ Drama Australia Journal*, <https://doi.org/10.1080/14452294.2021.2013630> (Press).
5. Irugalbandara, A. I., English R., & Campbell, M. (2021). Classroom space and creative student engagement: A focus on the Sri Lankan drama classroom. *World Studies in Education*, 21(2):45-57.  
<https://doi.org/10.7459/wse/21.2.04>
6. Irugalbandara, A. I., Hou, Y., Trussler, P., & Carrington, s. (2021). Transformation through social interactions: International research collaboration. *Research in Comparative and International Education* (in press).
7. Karunanayaka, S. P., & Naidu, S. (2021). Impacts of Authentic Assessment on the Development of Graduate Attributes. *Distance Education*, 42(2), 231-252.  
<https://doi.org/10.1080/01587919.2021.1920206>

8. Mendis, B. S.M. (April, 2021). FATALISM: CONTRIBUTION OF WILLIAM OF OCKHAM. *Mualim Journal of Social Sciences and Humanities*, 22-27.
9. Nawastheen, F. M. (2021). Sri Lankan teachers' concerns towards implementation of curriculum reforms in the competency based curriculum reforms. *Muallim Journal of Social Sciences and Humanities*, 5(1), 1-18. <https://doi.org/10.33306/mjssh/107>
10. Nawastheen, F. M. (2021).Concerns-Based Adoption Model in The Successful Curriculum Implementation – A Literature Review. *Inam International E-Journal of Tamil Studies*, 7(28), 45–57. Retrieved from <https://inamtamil.com/index.php/journal/article/view/20>.
11. Nawastheen, F. M., & Perera, S.A.S.K. (2021). Students' Perceptions on Participating in Remote Learning Activities in the Time of Covid-19 Pandemic. *Studies in Learning and Teaching*, 2(3). Retrieved from <https://scie-journal.com/index.php/SiLeT/article/view/81>
12. Nawastheen, F. M., Gafoordeen, N. & Fathima Hifaza, M.F. (2021). Classroom Management Practices in the Secondary Schools – Teachers' Perspectives from Kalutara Educational Zone in Sri Lanka. *International Journal of Research and Scientific Innovation (IJRSI)* 8 (1), pp.306-311. DOI: <https://dx.doi.org/10.51244/IJRSI.2021.8116>
13. Perera, K. D. R. L. J., & Lekamge, G. D. (2021). The Impact of Open and Distance Learning Material on Mindfulness Practices of Primary School Teachers. *Open Journal of Social Sciences*, 9(5), 83-94. <https://doi.org/10.4236/jss.2021.95007>
14. Perera, K. D. R. L. J. (2021). Students' Perceptions of School Related Conditions Impacting Their Motivation and Engagement in Learning. *Open Journal of Social Sciences*, 9(9), 353-377. <https://doi.org/10.4236/jss.2021.99025>
15. Sandanayake, T.C., Karunanayaka, S.P. & Madurapperuma, A.P.(2021). A framework to design open educational resources-integrated online courses for undergraduate learning: A design-based research approach. *Education and Information Technologies* (2021), 1-20, DOI: <https://doi.org/10.1007/s10639-020-10393-z>

16. Tennakoon, S., & F. M. Nawastheen. (2021). Teachers' Awareness and Participation in the School-Based Teacher Development Programme in Mathugama Education Zone" *International Journal of Research and Innovation in Social Science (IJRISS)* 5 (11), pp.242-245. DOI: <https://dx.doi.org/10.47772/IJRISS.2021.51117>

### **Conference proceedings/abstracts/extended abstracts**

1. Careemdeen, J. D., Awang M. M, and Ahmad A. R., (2021) CONCEPTUALIZING THE SOCIO-EDUCATIONAL SUPPORT FOR STUDENT LEARNING. *Putrajaya-KL International Conference on Innovative Technology, Education & Humanities 2021 PICTECH2021*. Malaysia, 29th MAY 2021.
2. De S. Sirisuriya, S.C.M., Ranathunga, L., Karunanayaka, S.P., & Abdullah, N.A. (2021). Pedagogical Effectiveness of Learner Interface of the Course in Web-Based e-Learning [Paper presentation]. *13th International Conference on Information & Communication Technology and System (ICTS 2021)*, 20-21 October 2021.
3. De Silva D.V.M., Anuruddhika B.G.H., Rathnayake R.N.P., Alwis K.A.C., Kugamoorthy S., Ketheeswaran K., Deepthini D.D.I., Chathurika D, Weerakoon W.M.S. (2021). Difficulties Encountered by the Students in Completing the Research Project in Undergraduate Degree Programmes, *Open University Research Sessions (OURS)*, 16th & 17th September 2021, OUSL, Sri Lanka [https://371121d2-bece-4e46-8040-b1fca87a20fe.filesusr.com/ugd/3c3b14\\_0016642ef6fa4b92bfdf8273ad4c03a3.pdf?index=true](https://371121d2-bece-4e46-8040-b1fca87a20fe.filesusr.com/ugd/3c3b14_0016642ef6fa4b92bfdf8273ad4c03a3.pdf?index=true)
4. Irugalbandara, A. I. (2021). Best Practices in Bachelor of Education Honours in Drama and Theatre Degree in the Open University of Sri Lanka. In "*Discover and Disseminate: Best Practices in Higher Education*" - *Good Practices in the Teaching Learning Process in Higher Education*, National Action Research Conference on Higher Education. University of Sri Jayawardenapura, Sri Lanka.
5. Irugalbandara, A. I., Hou, Y., Trussler, P., & Carrington, S. (2021). Transformation through social interactions: International research collaboration. *Research in Comparative and International Education* (in press).

6. Irugalbandara, A.I. (January, 2021). Classroom Space and Creative Student Engagement: A Focus on the Sri Lankan Drama Classroom. Abstract Published in *3rd International Research Symposium on Social Sciences and Humanities (IRSSSH)-2020*. Advances in Social Sciences and Humanities: Challenges and Opportunities, University Grants Commission, Sri Lanka.
7. Jayakodi, J.M.R.D., & Perera, S.A.S.K. (2021, November). Informal and Non-formal Education for Empowerment of Female Home-makers: A Case Study of a Women Farmers' Organization in the Western Province [Paper presentation]. *International Research Symposium 2021 of the Faculty of Education*, University of Colombo, Sri Lanka.
8. Jayasinghe, S.N. (2021, November). Senior Secondary Students' Right to Participation in the School Administration: Theory, Policy and Practice. Paper presented at the 1st *International Research Symposium of the Faculty of Education*, University of Colombo, Sri Lanka.
9. Jayasinghe, S.N. (2021, September). An Investigation on the Implementation of the Right to Participation in Teaching-Learning process at the Senior Secondary School Level. Paper presented at the *14th International Research Conference*, General Sir John Kotelawala Defense University, Ratmalana, Sri Lanka.
10. Karunanayaka, S.P. (2021). Re-designing learning environments to enhance creation and sharing of Open Educational Resources. [Paper presentation]. *Conference of the Celebration of the Centenary Year of Humanities and Social Science Education in Sri Lanka (1921-2021)* 21 December 2021.
11. Karunanayaka, S.P., & Naidu, S. (2021). Moving to the Center: Systemic Adoption of Open Educational Practices. [Paper presentation]. *OERCamp Global 2021 Conference*, 9-11 December 2021.
12. Karunanayaka, S.P., & Naidu, S. (2021). Reengineering open educational practices for systemic change. [Paper presentation]. *Open Education Global 2021 Conference (OE GLOBAL-2021)*, 27 September- 1 October 2021.

13. Karunanayaka, S.P., Weerakoon, W.M.S., Nawaratne, N.M.R.K., Ramathaas, P., Weerasinghe, M.D.B.P. & Wijesekera, H.D. (2021). Promoting digital education practices among teachers and students in Sri Lankan secondary schools. [Paper presentation]. *ICDE Virtual Global Conference 2021*, 25-29 October 2021.
14. Karunanayake, S. (2021, June 22-23). Navigating the Doctoral Journey: Reflections on Skill Development [Paper presentation]. *10th Annual Conference White Rose Doctoral Training Partnership*, United Kingdom. <https://wrntp.ac.uk/events/wrntp-10th-annual-conference/>
15. Karunanayake, S. (2021, June 23 & 24). Navigating the Doctoral Journey: Reflections on Skill Development, *10th Annual Conference White Rose Doctoral Training Partnership*, UK.
16. Karunanayake, S. (2021, May 24). Changing the Mode of Conducting Interviews: A Response to the COVID-19 Pandemic, *Fifteenth Research Students' Education Conference (RSEC)*, School of Education, University of Leeds, UK.
17. Mangaleswarasharma, R. & Jung, J.Y.J. (2021, September). Role of Cognitive Intelligence in Coping with Examination Stress [Paper Presentation]. *European Conference on Educational Research (ECER-2021)*. Geneva, Switzerland (Virtual).
18. Pande, J., Alka Singh, A. & Karunanayaka, S.P. (2021). Adaptation of open educational resources: Exploring perceptions of the teachers at the Open University of Sri Lanka. [Paper presentation] *34th Annual Conference of the Asian Association of Open Universities (AAOU)*, 1-3 June 2021, Colombo, Sri Lanka.
19. Peramunugamage, A., Rathnayake, U. & Karunanayaka, S.P. (2021). Design of a framework to foster collaborative learning through a Moodle mobile plugin. [Paper presentation]. *PhD Symposium – EDEN Virtual Annual Conference*, hosted by UNED, Madrid, 21-24 June 2021.
20. Perera, S.A.S.K., Amarasuriya, S.D., & Herath, H.M.J.C. (2021, December). Meditation and Education: Perceived Impact of Mindfulness Meditation on Teacher Immunity to Workplace Stressors [Presentation]. *Symposium on Meditation Research*, University of Colombo, Sri Lanka.

21. Perera, S.A.S.K., Amarasuriya, S.D., & Herath, H.M.J.C. (2021, November). A Qualitative Study on the Perceived Impact of Mindfulness Meditation on Teacher Immunity to Workplace Stressors [Poster presentation]. *Colombo Medical Congress 2021* of the Faculty of Medicine, University of Colombo, Sri Lanka.
22. Perera, K. D. R. L. J. (2021, June 1-3). Factors Associated with Student Disengagement from Learning: A Review of the Relevant Literature [Paper presentation]. 34th Annual Conference of the Asian Association of Open Universities, Colombo, Sri Lanka.
23. Perera, K. D. R. L. J. (2021, September 16-17). Mixed Methods Research Approach: Strengths and Shortcomings [Paper presentation]. Open University Research Sessions, Colombo, Sri Lanka.
24. Perera, K. D. R. L. J. (2021, November 26). Applying Thematic Analysis to Analyse Qualitative Data: A Researcher's Experience [Paper presentation]. *International Research Symposium, Faculty of Education, University of Colombo*, Colombo, Sri Lanka.
25. Perera, K. D. R. L. J. (2021). Increasing Students Motivation and Engagement Through Self-Determination Theory, *Shiksha Magazine*, Sri Lanka Association of Advancement of Education, Colombo.
26. Wanasinghe, W.A.M.G.P.K. & Wanasinghe W.M.S (2021) Job satisfaction of graduate teachers in secondary schools of north central province. *3rd international research symposium on Social Sciences and Humanities 2020*. Colombo. National Centre for advanced Studies in Humanities and Social Sciences. 22-23 January 202-1pp47.

## **DEPARTMENT OF SPECIAL NEEDS EDUCATION**

### **Books/ Book Chapters**

1. Hummel. S., Brodacz-Geier, M. Ketheeswaran, K., Monirith.L., (2021).Contessa: *Contemporary Teaching Skills for South -East Asia - Embracing the differences* 4.2 teaching and learning in diversity module 4.

## **Journal Publications**

1. Ketheeswaran, K. (2021). Perception of stakeholders on the Special Education Unit (SEN) and the inclusive education system in schools with SEN in Ampara District, Sri Lanka. *Muallim Journal of Social Sciences and Humanities*, 85-101.
2. Ketheeswaran, K. (2021). Supporting the Special Education Unit System in Promoting Inclusive Education. *European Journal of Special Education Research*, 7(3).
3. Tharanga, I. S., & Ketheeswaran, K. (2021). ORAL HEALTH EDUCATION IN THE CLASSROOM AND ITS INFLUENCE ON COMPETENCIES AND HEALTH HABITS OF YOUNG ADULTS IN SRI LANKA. *Isagoge-Journal of Humanities and Social Sciences*, 1(7), 107-122.

## **Conference proceedings/abstracts/extended abstracts**

1. De Silva, D. V. M., Anuruddhika, B. G. H., Rathnayake, R. N. P., Alwis, K. A. C., Kugamoorthy, S., Ketheeswaran, K., Deepthini, D. D. I. Chathurika, D. and Weerakoon, W. M. S., (2021, September 16 – 17), Difficulties Encountered by the Students in *Completing the Research Project in Undergraduate Degree Programmes, Open University Research Sessions 2021, Colombo, Sri Lanka*.
2. Ketheeswaran, K. (2021, November 6), Perception of stakeholders on inclusive education practices in the government schools in the Batticaloa district [Paper Presentation]. *National conference on inclusive education. National Institute of Education, Maharagama, Sri Lanka*.
3. Priyadarshani, H. D. C., & Jesuiya, D. (2021). Teacher's Perception on Online Teaching Method during COVID-19: With Reference to School Level Teachers at Faculty of Education, the Open University of Sri Lanka. *Shanlax International Journal of Education*, 9(2), 132-140.
4. Priyadarshani, H. D. C., Jesuiya, D. & Maheshika, L (2021). The Impact of Part-Time Jobs on Student's Academic Performances, *IRCUWU Uwa Conference*.

# **FACULTY OF ENGINEERING TECHNOLOGY**



## FACULTY OF ENGINEERING TECHNOLOGY

Department	Books/ Book Chapters	Journal Publications	Conference proceedings/ abstracts/ Extended abstracts
Department of Agricultural and Plantation Engineering	0	5	16
Department of Civil Engineering	1	3	11
Department of Electrical and Computer Engineering	1	3	12
Department of Mathematics & Philosophy of Engineering	0	1	0
Department of Mechanical Engineering	8	4	4
Department of Textile & Apparel Technology	0	2	2
<b>Total</b>	<b>10</b>	<b>18</b>	<b>45</b>

# DEPARTMENT OF AGRICULTURAL AND PLANTATION ENGINEERING

## Books/Book Chapters

None

## Journal Publications

1. H.P. Shashika Subhashini, C.S. De Silva and N.R.N Silva (2021). Effect of silicon application on growth and yield of tomato (*Lycopersicon esculentum* Mill.) Var. Rajitha grown under water stress Journal of Dry zone Agriculture. University of Jaffna.7(1):22-35.
2. J.H.D Charmara and C.S De Silva (2021). Issues related to weed control faced by paddy farmers in Hambantota District of Sri Lanka. *VISTAS Journal*, 14 (1) 35-49.
3. K.S. Suseema, C.S. De Silva and I. Dissanayaka (2021) Determining response to nitrogen of promising rice line (*Oryza sativa* L.) in the low country wet zone of Sri Lanka. *Journal of Dry zone Agriculture*. 7(2) 1-20.
4. S.Saravanan, C.S. De Silva, T.Mikunthan (2021). Characterization and seasonal variation of intake wells for drinking water at Vadamarachchi Aquifer of Jaffna District in Sri Lanka. *Journal of Engineering and Technology*. 9(1) 15-31.
5. T Somarathna, MG Thammitiyagodage, KKDS Ranaweera, GAS Premakumara, MA Akbarsha, B Kadalmani, NS Weerakkody (2021).In Vivo and In Vitro Toxicity Profiles of Hexane Extract of *Alpinia malaccensis* Rhizome in Rat and Cell Line Models. *Journal of Toxicology*.2021,ArticleID9578474.  
<https://doi.org/10.1155/2021/9578474>

## Conference proceedings/abstracts/extended abstracts

1. A.M.S.U.M. Attanayake, D.M.S Duminda, C.S. De Silva (2021) Assessment of soil properties and yield under different input systems in alfisols for Rice (*Oryza sativa* l.) crop. *Book of Abstracts Open University Research Sessions*. pp 08.
2. A.M.S.U.M. Attanayake, D.M.S. Duminda, C.S. De Silva (2021) Assessment of soil properties and yield under diverse cropping systems in alfisols for Maize (*Zea mays* l.) crop. *Book of Abstracts Open University Research Sessions*. pp07.
3. C.S De Silva and T. Ariyananda (2021). Artificial groundwater recharge using rainwater in Kilinochchi District in Sri Lanka. *Proceedings of the International Conference on Looming water crisis and climate change in South Asia: Rainwater Harvesting as an adaptation strategy*. pp 67.
4. D. Gururaj, S. Rajeshkanna, C.S. De Silva (2021). Management of Okra mosaic virus and its vector: okra leaf hoppers (*Empoasca devastans*) through plant extracts *Book of Abstracts, Open University Research Sessions*. pp11.
5. E.M.D. Perera, C.S. De Silva, R.R. Ratnayake (2021) Estimation and mapping soil organic carbon in paddy growing soils of Monaragala District, Sri Lanka. *Book of Abstracts, Open University Research Sessions*. pp10.
6. E.T.N.Fernando, N S Weerakkody, UASK Edirisinghe (2021) Development of a natural curry cube using pumpking seed powder. OURS the Annual academic conference. The Open University of Sri Lanka, Nawala . 20 August 2021.
7. H.P.S. Subhashini, N.R.N. Silva, C.S. De Silva (2021). Effect of silicon on nutritional quality and yield parameters of Tomato (*Solanum lycopersicum*) grown under water stress condition *Book of Abstracts, Open University Research Sessions*. pp12.

8. H.M.H.P. K Herath, A.G.A.W. Alakolanga, N.S. Weerakkody, N.K.B. Adikaram, L. Jayasinghe, (2021). Antioxidant Activity and Total Phenolic Content of some Underutilized vegetables in Sri Lanka, Young scientists Conference on Multidisciplinary Research, 21st October, 2021., Sri Lanka. ISSN 2815-0260, 126.
9. K.D.C. Premarathna, M.K.F. Nadheesha, S.S. Udumann, C.S. De Silva (2021). Downward movement of exchangeable potassium and magnesium after long term application of fertilizer under different placement techniques: A case study at Ranawana Coconut Estate, Kurunegala. *Book of Abstracts, Open University Research Sessions*. pp 20.
10. K.M.L.A.K. Munasinghe, A.G.A.W. Alakolanga, N.S. Weerakkody, N.K.B. Adikaram, L. Jayasinghe, (2021). Antioxidant Property and Total Phenolic Content of Selected Underutilized Fruits in Sri Lanka, Young scientists Conference on Multidisciplinary Research, 21st October, 2021., Sri Lanka. ISSN 2815-0260, 127.
11. K.G.A.I. Rasanjali, C.S. De Silva, L.K.R.R. Jayakody (2021). Effect of super absorbent polymers and different irrigation intervals on growth and yield of Tomato (*Lycopersicon esculentum* mill) under temperature stress condition. *Book of Abstracts, Open University Research Sessions*. pp 30.
12. P.D. Ariyasena, D.A.U.D. Devasinghe, D.M.D. Disanayake, C.S. De Silva (2021) Growth, physiology, and weed abundance in Rice (*Oryza sativa* L.) under diverse input systems in the Dry zone of Sri Lanka. *Book of Abstracts Open University Research Sessions*. pp 09.
13. R.P.D.N. Kumara, C.S. De Silva, H.K.L.K. Gunasekara (2021). Influence of different levels of nitrogen fertilizer and irrigation on Radish (*Raphanus sativus*) under increased temperature conditions. *Book of Abstracts, Open University Research Sessions*. pp 29.
14. I.Rathnayaka, C.S. De Silva, S. Maheepala, G. Seneviratne, R. Liyanage (2021). Nutritional properties and hydrolyzing rates of rice grown with biofilm bio-fertilizer (BFBF). *Book of Abstracts, Open University Research Sessions*. pp 24.

15. Abeywickrama U. L. M., Widanapathirana C. U., Herath H. M. U. N (2021). Safe use of Pesticides – Investigating the knowledge gap of Piper nigrum Pepper farmers in Kandy District. *Proceedings of 8 th Ruhuna International Science & Technology Conference*. Faculty of Science University of Ruhuna, Matara, Sri Lanka February 17, 2021 ISSN: 1391-8796.
16. H.P.S. Subhashini, N.R.N Silva, C.S. De Silva (2021). Effect of silicon on quality parameters of Tomato (*Solanum lycopersicum*) in water stress condition. Open University Research Sessions 2021. Book of Abstract. pp 13.

## DEPARTMENT OF CIVIL ENGINEERING

### Books/Book Chapters

1. “Lecture Notes in Civil Engineering, Volume 174” (Editorial Board), Dissanayake, R., Mendis, P., Weerasekera, K. S., De Silva, S. & Fernando, S. (2020). *ICSBE 2020* Springer, <http://www.springer.com/series/15087>

### Journal Publications

1. Eriyagama, N.; Smakhtin, V.; Udamulla, L.( 2021). Sustainable surface water storage development pathways and acceptable limits for river basins. *Journal of Water* 13 (5) 645. (<https://www.mdpi.com/journal/water>)
2. Jayawickrama, P.G.D.S., Jayawardana, D.M.H.H., Samarawickrama, M.N.C. and Fernando, D.I., 2021. Safe Foundation Criteria for Low-Rise Building Structures on Drained Coarse-Grained Steep Soil Slopes in Sri Lanka. *Engineer: Journal of the Institution of Engineers*, Sri Lanka, 54(3), pp.99–122. DOI: <http://doi.org/10.4038/engineer.v54i3.7464>
3. Ranasinghe, R.S. (2021) “Simulation of breaking waves over different seabed configurations using phase-resolving wave models,” *Journal of the National Science Foundation of Sri Lanka* 49(1), 67-78. DOI: <http://doi.org/10.4038/jnsfsr.v49i1.9451>

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1. Cadir, B and Udamulla, L, (2021). The use of fly ash stabilized sand mixtures as a capping material in landfills in Sri Lanka, *8th International Symposium on Advances in Civil and Environmental Engineering Practices for Sustainable Development*, pp 204-208, 07th October, Faculty of Engineering, University of Ruhuna, Sri Lanka.
2. Chathuranga R.A.I, Udamulla K.M.L.A, (2021). Use of M-Sand for Manufacturing Concrete Paving Blocks for Sri Lankan Roads. *25th International Forestry and Environment Symposium*, 22-23 January, Department of Forestry and Environmental Science, University of Sri Jayewardenepura, Sri Lanka.
3. Kajenthiran, T., Premananthan, S., Pratheep, J., and Weerasekera, K. S. (2021) “Case study: Design and improvement of a flood resilient rural road“. *Proceedings of the 8th International Symposium on Advances in Civil and Environmental Engineering Practices for Sustainable Development (ACEPS-2021)*, 7th October 2021. Faculty of Engineering University of Ruhuna Hapugala, Galle, Sri Lanka, pp. 368-376. [ISSN 2279-1329].
4. Kajenthiran, T., Premananthan, S., Pratheep, J., and Weerasekera, K. S. (2021) “Flood Mitigation of a Rural Road in Batticaloa District”. *Proceedings of the Open University Research Sessions (OURS 2021)*, 16-17 September 2021. [ISSN–2012-9912].
5. Munaweera, W.S.N and Udamulla, L, (2021). The influence of coconut fibres on the properties of interlocking concrete paving blocks, *8th International Symposium on Advances in Civil and Environmental Engineering Practices for Sustainable Development*, pp 209-213, 07th October, Faculty of Engineering, University of Ruhuna, Sri Lanka..
6. Priyadarshani R.M.S, Udamulla K.M.L.A, (2021). Stabilisation of Fine Grained Soil Using Fly Ash and Lime to Use as Embankment Material *25th International Forestry and Environment Symposium*, Department of Forestry and Environmental Science, 22-23 January, University of Sri Jayewardenepura, Sri Lanka.
7. S.A.G.M. Pamarathna and H.G.P.A. Ratnaweera, 'Soil Water Characteristic Curves for two landslides prone areas in Sri Lanka', to be presented at the *International Conference in Geotechnical Engineering, ICGE2020*, Colombo, December 2021.

8. Samroos, Y.B.M and Udamulla, K.M.L.A,( 2021). Use of crushed concrete aggregate waste in stabilization of clayey soils for subbase pavement construction and embankment material. *8th International Symposium on Advances in Civil and Environmental Engineering Practices for Sustainable Development*, pp 36- 42, 07th October, Faculty of Engineering, University of Ruhuna, Sri Lanka.
9. Tennakoon, C and Udamulla, K.M.L.A, (2021). Geotechnical engineering properties of peat, stabilized with a combination of fly ash and waste glass powder. Proceedings of the *12th International Conference on Structural Engineering and Construction Management 2021*, Kandy, Sri Lanka, 17-19 December 2021.
10. W.G.D. Nadeeshan and H.G.P.A. Ratnaweera, 'Sewer effluent discharge characteristics in the Colombo Regional Centre area', to be presented at the *International Conference in Geotechnical Engineering, ICGE2020*, Colombo, December 2021..
11. Yathusan, K and Udamulla, K.M.L.A, (2021). The use of compacted tropical clay treated with rice husk ash as a suitable hydraulic barrier material in waste containment applications *8th International Symposium on Advances in Civil and Environmental Engineering Practices for Sustainable Development*, pp 43-47, 07th October, Faculty of Engineering, University of Ruhuna, Sri Lanka.

## **DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING**

### **Books/Book Chapters**

1. Rodrigo, W. U. D., Premaratne, I. A., & Ratnayake, H. U. W. (2021). Proceedings of *International Conference on Sustainable Expert Systems: Icses* (Vol. 176). Springer Nature.

### **Journal Publications**

1. Jayathilleke, H. R., De Mel, W. R., & Ratnayake, H. U. W. (2021). Dynamic Optimization Self-adaptive AI Controller for a Four-wheel Independent Drive Electric Rover. *Advances in Technology, I(1)*.

2. Nayomi M. D. R. and Samaliarachchi Lalith A., Investigation of Wind Power Penetration Potential for Sri Lanka Power System, ENGINEER, *Journal of the Institution of Engineers, Sri Lanka*, ENGINEER -Vol. LIV, No. 01, pp. [15-26], 2021, © The Institution of Engineers, Sri Lanka.
3. W.M.U. Wijeratne, K.A.C.Udayakumar and, R.H.G Sasikala, Load Optimization in Ceylon Steel Corporation through Economic Demand Response Model: A Case Study , ENGINEER, *Journal of the Institution of Engineers, Sri Lanka*, ENGINEER -Vol. LIV, No. 02, pp. [15-24], 2021, © The Institute of Engineers, Sri Lanka.

### **Conference proceedings/abstracts/extended abstracts**

1. Caldera, M. M., Meedin, G.S.N. & Perera, I. (2020). A Peer Recommendation Model to Avoid Hate Speech Engagements in Multiplex Social Networks. *From Innovation to Impact 2020*.
2. Caldera, M. M., Meedin, G.S.N. & Perera, I. (2020). Time Series Based Trend Analysis for Hate Speech in Sri Lankan Social Media Platforms During COVID 19 Pandemic. *20th International Conference on Advances in ICT for Emerging Regions*, Sri Lanka.
3. Caldera, M. M., Meedin, G.S.N., Perera, W.A. S. N. & Perera, I. (2021). Classification of Trending Videos in YouTube. *From Innovation to Impact 2021*. , Sri Lanka.
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5. Herath, M.H.M.N.D. (2021). Sri Lanka vehicle number plate recognition using YOLO. *International Conference on Innovation and Emerging Technologies 2021* (32), Faculty of Technology University of Sri Jayewardenepura Sri Lanka.
6. IWMHD Bandara, B Hettige, DDM Ranasinghe (2021), Three Address Code Based Semantic Processor for Sinhala, *14th International Research Conference KDU IRC 2021*.



7. M. Bandara, S. Viduranga, N. Rodrigo and M. Ranasinghe, "Architectures used in Artificial Cognitive Systems for Embodiment," *2021 5th SLAAI International Conference on Artificial Intelligence (SLAAI-ICAI)*, 2021, pp. 1-6, IEEE Xplore, DOI: [10.1109/SLAAI-ICAI54477.2021.9664660](https://doi.org/10.1109/SLAAI-ICAI54477.2021.9664660)
8. Meedin, G.S.N., Caldera H.M.M.,(2020). Hate Speech Corpus Generation using Crowd. *76th Annual Sessions - 2020*, Sri Lanka. Page-166.
9. Meedin, G.S.N., Caldera,H.M.M.,Perera, I.,(2020). A User Experience Measuring Technique to Moderate Social Media Contents through Crowdsourcing. *From Innovation to Impact 2020*.
10. Priyadarshana, S. W. D., & Premaratne, I. A. (2021, September). Hybrid Energy Storage Solution for Standalone Photovoltaic Systems. *Open University Research Sessions*, Colombo, Sri Lanka.
11. Ranasinghe V. A. S. A., Ranasinghe D.D.M., (2021), Non-Verbal Communication Based Emotion Detection in Online Interviews, *77th Annual sessions of the Sri Lanka Association for the Advancement of Science*, December 6-11<sup>th</sup>
12. Seshamany V., Ranasinghe D. D.M, (2021), Digitization of National Identities of citizens using Blockchain Technology, *77th Annual sessions of the Sri Lanka Association for the Advancement of Science*, December 6-11<sup>th</sup>.

## **DEPARTMENT OF MATHEMATICS & PHILOSOPHY OF ENGINEERING**

### **Books/Book Chapters**

None

### **Journal Publications**

1. Satheesh,G.M.K.B. Karunasena, M. Warushawithana (2021), "Power Aware Ant Colony Optimized Routing In Heterogeneous Wireless Sensor Network", *International Journal of Engineering Research and Applications* 11(7).

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## DEPARTMENT OF MECHANICAL ENGINEERING

### Books/Book Chapters

1. Herath, H. M. K. K. M. B., Karunasena, G. M. K. B., & Herath, H. M. W. T. (2021). *Development of an IoT Based Systems to Mitigate the Impact of COVID-19 Pandemic in Smart Cities*. In *Machine Intelligence and Data Analytics for Sustainable Future Smart Cities* (pp. 287-309). Springer, Cham.
2. Herath, H. M. K. K. M. B., Karunasena, G. M. K. B., Ariyathunge, S. V. A. S. H., Priyankara, H. D. N. S., Madhusanka, B. G. D. A., Herath, H. M. W. T., & Nimanthi, U. D. C. (2021). *Deep learning approach to recognition of novel COVID-19 using CT scans and digital image processing*.
3. Herath, H. M. K. K. M. B., Karunasena, G. M. K. B., Herath, H. M. W. T., Priyankara, H. D. N. S., Madushanka, B. G. D. A., & De Mel, W. R. (2021). *Integration of IoT and Fog Computing for the Development of COVID-19 Cluster Tracking System in Urban Cities*. In *Computational Intelligence for COVID-19 and Future Pandemics* (pp. 145-169). Springer, Singapore.
4. Herath, H. M. K. K. M. B., Karunasena, G. M. K. B., Madhusanka, B. G. D. A., & Priyankara, H. D. N. S. (2021). Internet of Medical Things (IoMT) Enabled TeleCOVID System for Diagnosis of COVID-19 Patients. In *Sustainability Measures for COVID-19 Pandemic* (pp. 253-274). Springer, Singapore.
5. Herath, H. M. K. K. M. B., Karunasena, G. M. K. B., Priyankara, H. D. N. S., & Madhusanka, B. G. D. A. (2021). *High-performance cardiovascular medicine: artificial intelligence for coronary artery disease*.
6. Herath, H. M. K. K. M. B., Prematilake, R. D. D., & Madhusanka, B. G. D. A. (2022). Integration of Fog Computing and IoT-Based Energy Harvesting (EHIoT) Model for Wireless Sensor Network. In *Energy Conservation Solutions for Fog-Edge Computing Paradigms* (pp. 215-231). Springer, Singapore.
7. Madhusanka, B. G. D. A., & Ramadass, S. (2021). Implicit Intention Communication for Activities of Daily Living of Elder/Disabled People to Improve Well-Being. In *IoT in Healthcare and Ambient Assisted Living* (pp. 325-342). Springer, Singapore.

8. Sanjeewa, E. D. G., Herath, K. K. L., Madhusanka, B. G. D. A., Priyankara, H. D. N. S., & Herath, H. M. K. K. M. B. (2021). Understanding the hand gesture command to visual attention model for mobile robot navigation: service robots in domestic environment. *In Cognitive Computing for Human-Robot Interaction* (pp. 287-310). Elsevier.

### **Journal Publications**

1. Medagedara N.T. (2021). Study of Experimental Hysteresis Loops under Non-Proportional Loading, Engineer – *Journal of the Institute of Engineers Sri Lanka*, Vol.LIV(3), 27-38.
2. Pathirana T., Gunawardane P.D.S.H, Medagedara N.T. (2021). A Deep Neural Network Model for Upper Limb Swing Pattern to Control an Active Bionic Leg, *Instrumentation Journal*, 8(1), 51-60.
3. Premaratne, U., Warnakulasooriya, S., & Nandana, R. (2021). Characterization of Event-Based Sampling Encoders for Industrial Internet of Things Using Input–Output Mutual Information. *IEEE Transactions on Industrial Informatics*, 17(8), 5495-5505.
4. Herath, H. M. K. K. M. B., & de Mel, W. R. (2021). *Controlling an Anatomical Robot Hand Using the Brain-Computer Interface Based on Motor Imagery*. *Advances in Human-Computer Interaction*, 2021.

### **Conference proceedings/abstracts/extended abstracts**

1. Abdelhafez, M. E., Ramadass, S., Abdelwahab, M., & Madhusanka, B. G. D. A. (2021, November). A Study of Connection Speeds in Transport Layer Security Version 1.3 (TLS 1.3) Using Different Handshake Modes. In *The International Conference on Information, Communication & Cybersecurity* (pp. 517-525). Springer, Cham.
2. Gunawardane PDSH, Pathirana APTD, Medagedara N.T. (2021). Towards Developing a Simple Lumped Parameter-based State Estimator for PneuNets, *21st International Conference on Advances in ICT for Emerging Regions (ICTER 2021)*, UCSC Colombo, 01st-03rd December 2021.
3. Gunawardane PDSH, Shenaal Harshana, Pathirana APTD, Medagedara N.T. (2021). Computational Study of Cymatics with Experimental Analysis, *SLAAS Proceedings of the 77th Annual Sessions (7 – 8) December 2021*.

4. Perera, R. K. K., Priyankara, H. D. N. S., & Madhusanka, B. G. D. A. (2021, August). A Fire Detection and Extinguishing Mobile Robot for Industrial Environments. In *2021 10th International Conference on Information and Automation for Sustainability (ICIAfS)* (pp. 393-398). IEEE.

## **DEPARTMENT OF TEXTILE & APPAREL TECHNOLOGY**

### **Books/Book Chapters**

None

### **Journal Publications**

1. Chathura. N. Herath.(2021). Bursting strength of core spun cotton/spandex single jersey and 1x1 rib knitted fabrics. *Fibres and Polymers*, 22(4), 1160-1169. ISSN 1229-9197.
2. Lqbal W, Jiangb Y, Owais M, Siddiquic R, Ahmedd R, Xong Q, Afzalf S, Gunasekara D.S.W, Hussainh R (2021), The measurement of dynamic tension fluctuation in a flat knitting machine, *International Journal of Innovation, Creativity, and Change*. Volume 15, Issue 6, 2021, pp 900-911.

### **Conference proceedings/abstracts/extended abstracts**

1. Navodya. P U. and Herath. C N. (2021 Sep.). Pineapple leaf fibre (PALF) based Textile composites for Cladding Boards, *Proceeding of the Open University Research Sessions (OURS 2021)*. Nugegoda, Sri Lanka, ISSN 2012-9912 © The Open University of Sri Lanka.
2. Munasinghe A.H.S.H, Wijerathne D.S, (2021), An Analysis of Trend forecasting for Denim Jean practices in men's wear category, Sri Lanka, Abstract published online on 7-12-2021 by the research symposium- FGS-UVPA2021, Faculty of Graduate Students, University of Visual and Performing Art, pp 29.

**FACULTY OF  
HEALTH  
SCIENCES**

## FACULTY OF HEALTH SCIENCES

Department	Books/ Book Chapters	Journal Publications	Conference proceedings /abstracts/ extended abstracts
Department of Basic Sciences	4	3	1
Department of Medical Laboratory Sciences	0	4	7
Department of Nursing	0	4	15
Department of Pharmacy	0	5	9
Department of Psychology & Counseling	0	5	4
<b>Total</b>	<b>4</b>	<b>21</b>	<b>36</b>

### DEPARTMENT OF BASIC SCIENCES

#### Books/Book Chapters

1. Vivehananthan, K (2021). Handbook of Laboratory Management: Focusing on Molecular Biology, pp 1- 51. ISBN 978-624-97796-4-8.
2. Vivehananthan, K. (2021). Application of Biotechnology and ITS Regulation: Training Programme Report 2009. pp 1-31. ISBN 978-624-97796-0-0.
3. Vivehananthan, K. (2021). Construction and Screening of Large DNA Insert Libraries: Research Report 2003. pp 22. ISBN 978-624-97796-2-4.

4. Vivehananthan, K (2021). Science, Technology and Innovation System in the context of Biotechnology in Sri Lanka: Country Strategy Paper 2015, pp 10. ISBN 978-624-97796-1-7.

### **Journal Publications**

1. Vivehananthan, K Thevashayinath. S and Abeygunawardena I (2021). Extraction and Screening of Biofilm producing Bacterial isolates in short term and long term Catheters. *Advances in Technology, 1 (2)*, 329-345. ISSN 2773-7098.
2. Vivehananthan K and Heshani Weligodage (2021). Effect of Different Process Parameters on the formation of Silver Nanoparticles using Crude and Modified Neem (*Azadirachta indica*) Leaf Extracts. *Advances in Technology, 1 (2)*, 266-276. ISSN 2773-7098.
3. Vivehananthan, K and Luphzy, M.P.D.L (2021). Detection of *mecA* gene and identification of potential methicillin-resistant *Staphylococcus aureus* in hospital wastewater samples. *Advances in Technology. 1 (1)*, 89-100. ISSN 2773-709.

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1. Arampola, A.M.U.B., Munasinghe, W.G.H.P.K., & Kumari, P.M.S.S. (2021). Analysis of flood frequency at lower reach of Kelani river in Sri Lanka. *Proceedings of the Open University Research Sessions (OURS 2021)*, Sri Lanka. pp 65.

## **DEPARTMENT OF MEDICAL LABORATORY SCIENCES**

### **Books/Book Chapters**

None

## Journal Publications

1. Wimalasiri-Yapa, B. R., Barrero, R. A., Stassen, L., Hafner, L. M., McGraw, E. A., Pyke, A. T., & Frentiu, F. D. (2021). Temperature modulates immune gene expression in mosquitoes during arbovirus infection. *Open biology*, 11(1), 200246.
2. Herath, S., Balendran, T., Herath, A., Iddawela, D., & Wickramasinghe, S. (2021). Comparison of diagnostic methods and analysis of socio-demographic factors associated with *Trichomonas vaginalis* infection in Sri Lanka. *PLOS ONE*, 16(10), e0258556.
3. Weeramange, C. E., Liu, Z., Hartel, G., Li, Y., Vasani, S., Langton-Lockton, J., & Punyadeera, C. (2021). Salivary High-Risk Human Papillomavirus (HPV) DNA as a Biomarker for HPV-Driven Head and Neck Cancers. *The Journal of Molecular Diagnostics*, 23(10), 1334-1342.
4. Sheriff, F. A., Dissanayake, R. K., Wijesundara, C., Bandaranayaka, K. O., & Chathuranga, G. (2021). Prevalence, knowledge and selected associated factors of anaemia among non-pregnant females of reproductive age in a tea estate community in Hantana, Kandy district, Sri Lanka. *American journal of blood research*, 11(4), 438.

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1. De Silva, K.K.D.S., Jayarathna, N., Wijeratne, D.T., Jayhilleke, B.G. (2021). Using electronic course material for learning: perceptions of medical laboratory science undergraduates 'Proceedings of the 34<sup>th</sup> Annual Conference of Asian Association of Open Universities (AAOU2021) held from 21-23 October 2020 at Cinnamon Grand Hotel, Colombo, Sri Lanka.
2. De Silva, S.L., Gunarathna, H.D.N.T., Rajakulasooriya, R.S.R., Thambavita, D. (2021). Assessment of knowledge and practices related to technical requirements recommended by ISO 15819:2012 standards among medical laboratory technology staff in tertiary care hospitals and institutions in Western Province, SRI Lanka. *Proceedings of the 30<sup>th</sup> anniversary academic sessions*. (pp 58).



3. Dissanayake, R.K., Ranaweera, K.K.P.T., & Priyadarshani, A.M.B. (2021). The effect of bilirubin on laboratory investigations on serum creatinine: A comparison study between Jaffe reaction and Creatinase enzymatic method with creatinine in phosphate buffered saline solution and serum. *Proceedings of Clinical and Experimental Health Sciences*. (pp. S10).
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5. Rathnayake, R.G.L., Hettiaratchi, U.P.K., & Perera, P.P.R. (2021). Association of serum leptin with BMI, body fat percentage and Q223R leptin receptor gene polymorphism in an adult female population. *Proceedings of 3rd Conference of College of Biochemists of Sri Lanka*. (pp. 33).
6. Weeramange, C.E., Liu, Z., Hartel, G., Li, Y., Vasani, S., Langton-Lockton, J., Kenny, L., Tang, K.D., & Punyadeera, C.(2021). Diagnostic and prognostic utility of salivary high-risk Human Papillomavirus detection in Oropharyngeal cancer. *Proceedings of Griffith Cancer Research Network Symposium, 28<sup>th</sup> October 2021*.
7. Weeramange, C.E., Liu, Z., Hartel, G., Li, Y., Vasani, S., Langton-Lockton, J., Kenny, L., Tang, K.D., & Punyadeera, C.(2021). *Utility of Salivary Human Papillomavirus DNA for HPV driven Oropharyngeal Cancer Detection. Proceedings of Saliva Symposium Australia* (online) 10<sup>th</sup> June 2021.

## DEPARTMENT OF NURSING

### Books/Book Chapters

None

### Journal Publications

1. Ali, A., Khaliq, A., Laavanya, L., Meherali, S., Lassi.Z.S. (2021). Prevalence and predictors of teenage pregnancy in Pakistan: a trend analysis from Pakistan Demographic and Health Survey datasets from 1990 to 2018. *International Health*, 2021,0,1-7. <https://doi.org/10.1093/inthealth/ihab025>
2. Edussuriya, S.J., Subhashini, S.Y. S., Amarasinghe, K.D.S., Kumari, G.S.D., Perera, .K. M.O.N. & Munidasa, K.G.P.K. Experiences of Patients on Natural Herbal Treatments for Diabetes Mellitus at the Diabetes Clinic in Base Hospital - Matara, Sri Lanka. *Journal of Patient Experience. Volume 8* 1-5 DOI: 10.1177/23743735211039313.
3. Lasanthi, K.G.R., Somarahna, R.I.B.D., Ranathunga R.M.S.B., Wickramasinghe, W.G.A.N., De Silva B. S. S. & Marikar, F. M. M. T. (2021). Understanding experiences of young adult males with below-knee amputation. *Philippine Journal of Nursing*, 91(1), 30 - 38.
4. Yapa, H.E., Purtell, L., Chambers, S. and Bonner, A. (2021), Alterations in symptoms and health-related quality of life as kidney function deteriorates: A cross-sectional study. *Journal of Clinical Nursing*, 30, 1787-1796. <https://doi.org/10.1111/jocn.15738>.

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1. Athukorala, A.D.M., Hatanarachchi, H.A.W.S., Wijesinghe, W.A.S.M., Wickramasinghe, P.C., Karunathilaka, C.D.M.P., & Sriyani, K.A. (2021). Awareness of breast cancer screening measures among female school teachers in Giriulla educational zone. Proceedings of the *Research Conference in Health Sciences 2021*, Faculty of Allied Health Sciences, University of Jayawardena, p 106.

2. Dilrukshi K.K.J., & De Silva, B. S. S. (2021). Knowledge and Practices of Foot Care among Patients with Diabetes Mellitus in the Asian Countries: A Systematic Review. Proceedings of the *4th Research Symposium of the Faculty of Allied Health Sciences*, University of Ruhuna, Galle, Sri Lanka. August 26, 2021. ISSN: 2659-2029.
3. Doole1, N. H. T, Shantha, D.M.S., Wijesekara, W. M. D. N. K., Abeywardhana, K. M. T. D, CDMP Karunathilaka & De Silva, B. S. S. (2021). An Exploration of Mothers' Experience of Children with Thalassaemia Depending on Iron Chelation Therapy in Thalassaemia Centre of Provincial General Hospital Badulla. *14th International Research Conference of General Sir John Kotelawala Defence University, Ratmalana*, Sri Lanka. 9th and – 10th of September 2021. P. 21. ISBN 978-624-5574-37-7.
4. Herath, C. J., Nuwansala, H. U. C., Rathnayake, R. G. L., Madushani, G., & Amarasinghe, H.P. K. (2021). The validity of the quality assessment tools used at the open university of Sri Lanka. Proceedings of the *34th Annual Conference of the Asian Association of Open Universities* (2021), 94.
5. Kumudumalee, R.M.A., Nishanthi, S.V., Lakmali, L.R.B., Thudugala, T.N.K., & Sriyani K.A. (2021). Learning challenges experienced by student nurses during clinical placements at operating theatre. *Proceeding of the Open University Research Sessions (OURS 2021)*. The Open University of Sri Lanka. p.1-4.
6. Pathirana, R. P. N. D. & De Silva, B. S. S. (2021). Reasons for Cessation of Exclusive Breastfeeding in the Asian Countries; A Systematic Review. Proceedings of *SLIIT International Conference on Advancements in Sciences and Humanities*, 3-4 December, Colombo, 543-554.
7. Perera A. N. M., Weerasinghe K. M. P. S., Kumari H. P. S., Perera O. S. M., Kodagoda A. S. K. & De Silva B. S. S. (2021). Family caregivers' experiences of people with Dementia at the elderly clinic, Colombo South Teaching Hospital, Sri Lanka. Proceedings of the *Research Conference in Health Sciences 2021 - Faculty of Allied Health Sciences*, University of Sri Jayewardenepura, Sri Lanka. 31st March 2021. P.151.
8. Sagarika, K. R. L. H., Charini, A. G. D., Rajapakshe, R. P.A., Priyadarshani, K. A. N., Hewabatage, P.N., & Priyanthi, W. N. (2021). Patient perception related to normal hospital diet consumption in a selected teaching hospital, Sri Lanka. *International Conference on Nursing*.

9. Senarathna K. M. C. S., Chandrasekara U. G. M. H., Helapalla K. M. S., Jayarathna G. V. A. P., Saumika M. A. R., & De Silva B. S. S. (2021). Psychological experiences of informal caregivers of patients with dementia. Proceedings of the *Research Conference in Health Sciences 2021* - Faculty of Allied Health Sciences, University of Sri Jayewardenepura, Sri Lanka. 31st March 2021. P.124.
10. Upasena, K.D.A.M., Kumara, U.M.S.S., Siriwardhana, K.A.S.M., Gunarathna, M.A.V.S., & Sriyani, K.A, (2021). Awareness and self-reported practices regarding leptospirosis among paddy farmers in Weligepola Medical Officer of Health (MOH) area in Ratnapura district of Sri Lanka. Proceedings of the *Research Conference in Health Sciences 2021*, Faculty of Allied Health Sciences, University of Jayawardena, p 193.
11. Weerabahu, R., Dharmasiri, U., Wickramasinghe, M., Sirinilame, S. & Sriyani, K.A. (2021). Nurses' perception towards the use of advanced medical devices in critical care units. Proceedings of the *4th Research Symposium of the Faculty of Allied Health Sciences*, University of Ruhuna, 26th August 202, p.17.
12. Wijekoon W.M.N.K, Jayathilake S.N.B.G.C.K , Maldeniya D.R.R., Dassanayake C.P.K.D, Kodagoda, A.S.K., De Silva B.S.S. (2021), Maternal experience with congenital surgical problems in neonates managed in a pediatric intensive care unit. Proceedings of *08th International Conference on Multidisciplinary Approaches*, Faculty of Postgraduate Studies, University of Jayawardena. 22nd and 23rd November 2021.
13. Wimalasooriya, P.B.A.D.K., Ranathunga, N.A.D.C.K.S., Bandara, W.M.D.B.,N. M. Patterson, & De Silva, B. S. S. (2021). The psychosocial factors related to post-partum depression among mothers in the post-partum period at the De Soyza Maternity Hospital for Women in Sri Lanka. *Proceedings of the Open University Research Sessions 2021(OURS 2021)*. 16th and – 17th of September 2021. P. 80. ISSN 2012-9912.
14. Yapa, H. E., Chambers, S., Purtell, L. & Bonner, A. (2021). Exploring the impact of chronic kidney disease at various grades along its trajectory. Renal Society of Australasia Annual Conference, Melbourne, Australia. June 18, 2021, p.30.

15. Yapa, H. E., Purtell, L., Chambers, S. & Bonner, A. (2021). Factors influencing health-related quality of life in people with chronic kidney disease. *Renal Society of Australasia Annual Conference, Melbourne, Australia*. June 18, 2021, p.29-30.

## DEPARTMENT OF PHARMACY

### Books/Book Chapters

None

### Journal Publications

1. Gunasekara, W.A.S.K., Ranawaka, R.A.T.S., Chathuranga, G.L.D., Kankanamge, S.U., Balasuriya, A.(2021), Importance of following proper inhalation techniques and awareness regarding asthma among clinical patients. *Journal of complementary and alternative medical research*, 15(03), 1-13. DOI: 10.9734/JOCAMR/2021/v15i330266.
2. Chathuranga, G.L.D., Manathunga, H.S., Gunasekara, W.A.S.K., Jayasekara, K.B., Sanjeevani, A.(2021), Compliance and adherence to drug treatment on patients with chronic kidney disease in high prevalence areas of North central province, Sri Lanka. *International journal of Community Medicine and Public Health*, 8(7), 3231-3237. DOI: 10.18203/2394-6040.ijcmph20212571.
3. Wijayawardhana, N., Cooray, D., Jayasuriya, B., Uluwaduge, I., Meedin, F., & Arawwawala, M.(2021), Antimicrobial activity of a combination of three natural plant extracts and development of a herbal soap. *Pharmaceutical Sciences Asia*, 48(6), 523-534 DOI:10.29090/psa.2021.06.21.031.
4. Wickramasinghe, A.S.D., Kalansuriya, P., & Attanayake, A.P. (2021). Herbal medicines targeting the improved  $\beta$  cell functions and  $\beta$  cell regeneration for the management of diabetes mellitus. *Evidence-Based Complementary and Alternative Medicine*, <https://doi.org/10.1155/2021/2920530>

5. Welideniya DT, Jayathilaka AS, Acharige AD, Samanthi KAU, Wanninayake UK, Perera SS, Rajapaksha W, Fernando CC, Hewadikaram M, Buddhika J, Gunasekara P, Karunaratne V, Amaratunga GAJ, Gunasekera DS. Practical and scalable synthesis of beclomethasone dipropionate. *Steroids*. 2021 Dec 3:108948. doi: 10.1016/j.steroids.2021.108948. Epub ahead of print. PMID: 34871605.

### **Conference proceedings/abstracts/extended abstracts**

1. Wickramasinghe, A.S.D., Attanayake, A.P., & Kalansuriya, P. (2021, October). Optimization of high fat diet fed streptozotocin induced Wistar rat model for screening antidiabetic agents. *International Conference on Applied and Pure Sciences*, Sri Lanka.
2. Wickramasinghe, A.S.D., Attanayake, A.P., Kalansuriya, P. (2021, March). Optimization of encapsulation efficiency of Coccinia grandis (L.) Voigt extract encapsulated nanoliposomes. *Proceedings of 18th Academic Sessions*, University of Ruhuna, p. 95.
3. Wickramasinghe, A.S.D., Attanayake, A.P., & Kalansuriya, P. (2021, July). Glucose-lowering activity of Coccinia grandis (L.) Voigt leaf extract encapsulated nanoliposomes in Wistar rats induced with diabetes mellitus. *College of Biochemists of Sri Lanka, 3rd Conference*, Sri Lanka.
4. Wickramasinghe, A.S.D., Attanayake, A.P., Kalansuriya, P. (2021, March). Effect of water: ethanol ratio on extraction yield, total polyphenol content and total flavonoid content of selected sri lankan medicinal plants. *Proceedings of 18th Academic Sessions*, University of Ruhuna, p. 97.
5. Samarakoon, D.D.N.W., Kumara, R.S., Buddhika, R.B.J., Jayasuriya, W.J.A.B.N. Pharmacognostical evaluation and antibacterial activity of the flowers of Impatiens balsamina. L (Kudalu). *Proceedings of the Annual Scientific Sessions 2021 of the Pharmaceutical Society of Sri Lanka*. p. 42.
6. L.R Sendanayake, L.R., Amarasiri H.A.D.B., Jayasundera A.C.A., Adassooriya N.M., (2021), November). Methotrexate-Loaded Halloysite Nanotubes as a Controlled Release Drug Delivery Formulation. *Proceedings of Peradeniya University International Research Sessions 2021*, Sri Lanka.

7. Nidangoda, H.A.D.W., Bandara, H.W.M.K.G.S., Premarathne, M.M.A.B., Wijenayake, U.S., Mamunuwa, A.M.V.G.N., Gunarathna, N.K.C., Eriyagama, A.M.S.D. Medication adherence and quality of life among patients with psoriasis in two Provinces in Sri Lanka. *Proceedings of the Annual Scientific Sessions 2021 of the Pharmaceutical Society of Sri Lanka*. p. 46.
8. Perera K.P.K, Priyamali P.D.Y.P, Priyangika K.A.I, Mannapperuma U. (2021) Patients' knowledge and adherence to warfarin therapy and its relationship to anticoagulation control at the warfarin clinic of the Colombo National Hospital. *Proceedings of the Annual Scientific Sessions 2021 of the Pharmaceutical Society of Sri Lanka*. p. 31.
9. Jayasiri, K.S., Silva, G.N., Vithanarachchi S.M., (2021), October). Plant-extract based synthesis of zinc oxide particles and evaluation of their antioxidant effect. *Proceedings of the Young scientists conference on Multidisciplinary Research 2021 of the National Institute of Fundamental studies*, Sri Lanka.

## **DEPARTMENT OF PSYCHOLOGY & COUNSELING**

### **Books/Book Chapters**

None

### **Journal Publications**

1. Jayawardena, H. K. H., & Gamage, G. P. (2021). Exploring challenges in mental health service provisions for school-going adolescents in Sri Lanka. *School Psychology International*.  
<https://doi.org/10.1177/01430343211043062>
2. Gamage, G.P. and Herath, H.M.C.J. (2021), "Mental health of undergraduate distance learners: a cross-sectional study", *Asian Association of Open Universities Journal*, Vol. ahead-of-print No. <https://doi.org/10.1108/AAOUJ-08-2021-0097>

3. Hapangama, A., de Silva, R., Williams, S. S., de Zoysa, P. T., Wickremasinghe, R.R., Kuruppuarachchi, K. L., & Ravindran, A. (2021). Randomized controlled trial evaluating the effectiveness of cognitive behavioral group therapy (CBGT) compared to a waitlist control in the treatment of university students with social anxiety disorder. *Journal of the Postgraduate Institute of Medicine*, E1511-10.
4. Power, Alison, Michael Palapal Sy, Maggie Hutchings, Tracy Coleman, Alla El-Awaisi, Gatera Fiston Kitema, Jean Gallagher, Chulani Herath, Nichola McLarnon, Shobhana Nagraj, Veronica O'Carroll, Melissa Owens, Vikki Park, Emma Pope, Lisa-Christin Wetzlmair, P Jane Greaves, Elizabeth S Anderson, (2021), Learning in lockdown: exploring the impact of COVID-19 on interprofessional education, *British Journal of Midwifery*.
5. Gamage, G.P., Herath, H.M.Chulani.J., (2021), Mental health of undergraduate distance learners: a cross-sectional study, *Asian Association of Open Universities Journal*.

#### **Conference proceedings/abstracts/extended abstracts**

1. Chulani Herath, H.U.C. Nuwansala, R.G.L. Rathnayake, R.A.N. Dilsha, Gayeshi Madushani, H.P.K Amarasinghe (2021) Validity of the Quality Assessment Tools Used in the Open University of Sri Lanka, *International Conference of Asian Association of Open Universities*.
2. Chulani Herath & G.P. Gamage (2021) Depression, Anxiety, and Stress among Undergraduate students in the Open University of Sri Lanka: A Cross-sectional Study, *International Conference of Asian Association of Open Universities*.
3. Chulani Herath "Sri Lankan Undergraduate Healthcare Students' Perceptions of Interprofessional Learning: A Cross-Sectional Study" was presented in the context of the Session "Interprofessional Education' *3rd European Conference of Health Workforce Education & Research* on 7th and 8th January 2021.
4. Nilakarawasam, N., de Silva, R., Alwis, D., de Silva, R., Bulathwaththa, T., Dilsha, N., & Athapaththu, B. (2021). Developing a proactive motivational individual student support system at OUSL: A preliminary study for identification of influential factors. *34th Annual Conference of the Asian Association of Open Universities* (p. 64). Colombo : The Open University of Sri Lanka.



**FACULTY OF HUMANITIES  
AND SOCIAL  
SCIENCES**

## FACULTY OF HUMANITIES AND SOCIAL SCIENCES

Department	Books/ Book Chapters	Journal Publications	Conference proceedings /abstracts/ extended abstracts
Department of Language Studies	2	6	9
Department of Legal Studies	0	3	9
Department of Social Studies	4	8	10
Department of English Language Teaching(DELT)	0	0	0
<b>Total</b>	<b>6</b>	<b>17</b>	<b>28</b>

### DEPARTMENT OF LANGUAGE STUDIES

#### Books/Book Chapters

1. De Silva, R. (2021). Assessment Literacy and Assessment Practices of Teachers of English in a South-Asian Context: Issues and Possible Washback. In Lanteigne, B., Coombe, C, & Brown, J.D. (Eds.). Challenges in Language Testing Around the World. Springer. [DOI:10.1007/978-981-33-4232-3\\_31](https://doi.org/10.1007/978-981-33-4232-3_31)
2. Edirisinghe, Anuruddhi, Maithree Wickramasinghe, Manikya Kodithuwakku et al. Fatalities: Accidents, Suicides and Femicides of Girls and Women in Sri Lanka. Sri Lanka: United Nations Population Fund. <https://srilanka.unfpa.org/en/publications/fatalities>

## **Journal Publications**

1. Abeysekera, N. K. and Wijesinghe, K. G. S. A. (2021). "Programme in English for Legal Studies-Stakeholders' Perception on the New Normal Experience". *VISTAS Refereed Journal*, Volume 14, Issue 2.
2. De Silva, R. & Devendra, D. (2021). Undergraduate Researcher Stories: Insights for Mentoring in an Open and Distance Learning Context. *Journal of Education* (bujoe). Sage. DOI:10.1177/00220574211032579.
3. Medawattegedara, L. (2021). Air Mobility, Ten Heads and Universal Authority: Exploratory Study of King Ravana in the Folktales of Sabaragamuwa. *OUSL Journal 2021*: Volume II.
4. Medawattegedara, L. (2021). Nai-Polomg Vairaya: Chronic Anger in an Ancient Folktale. Sadesa: Volume I 2021.
5. Pullenayegem, J., De Silva, R., Jayatilake, G. (2021). Contradictions in learner interactions in a blended learning writing course: An activity theory analysis. *Journal of Learning for Development (JL4D)*,8 (2), 327-345.
6. Medawattegedera, V.V. (2020/2021). Popularizing English language poetry in Sri Lanka: Some current practices. In H. Rambukwella, K. Fedricks, & P. Kariyawasam (Eds.), *Sahityaya: Special Volume*. Battaramulla: Department of Cultural Affairs.

## **Conference proceedings/abstracts/extended abstracts**

1. Abeysekera, N. K., Satharasinghe, S. A. A. K. and Wijesinghe, K. G. S. A. (2021). "Using Zoom Technology for Language Teaching in Challenging Situations – The OUSL Experience During COVID 19". *AAOU Conference Proceedings* (Abstract)
2. De Silva, R. & Devendra, D. (2021). Exploring the research trajectories of senior academics: a qualitative study at the Open University of Sri Lanka. Conference Proceedings of the *Asian Association of Open Universities (AAOU) 2021*.

3. De Silva, R. & Wijesinghe, S. (2021). Developing a Computer-Assisted English Language Test for Undergraduates for Diagnostic and Placement Purposes: Challenges and the Way Forward. *Conference Proceedings of ALTAANZ Online Research Forum*, December 2-3 ,2021.
4. Medawattegedara, L. (2021). “What do you know of the Sciences?”: Perceptions of Female Education Inscribed in a Sample of Ancient Folktales of Ceylon. Centre for Women’s Research *16th National Convention on Women’s Studies*.
5. Medawattegedara, L. (2021). Air Mobility, Ten Heads and Universal Authority: Exploratory Study of King Ravana in the *Folktales of Sabaragamuwa*. *Conference Presentation: OURS2021*.
6. Medawattegedera, V.V. and Medawattegedera, L.. (2021 June) “I will show you fear in a handful of dust” – Challenges of teaching response to literary texts using the online mode: Student perceptions. [Conference Presentation] Annual Conference of the *Asian Association of Open Universities*, Colombo, Sri Lanka.
7. Nilakarawasam, N., De Silva, Radhika, Alwis, D., De Silva, Ransirini, Dilsha, N., Bulathwatta, T. & Athapaththu, B. (2021). Developing a proactive motivational individual student support system at OUSL: a preliminary study for identification of influential factors. *Conference Proceedings of the Asian Association of Open Universities (AAOU) 2021*.
8. Vinothini,A. (2021) . Paḷamoli nānūru for the Development of Life . *International Conference on “Tamil Literature”*, Department of Tamil, Rathinam College of Arts and Science. 21.09.2021.
9. Vinothini,A. (2021) . The Art of Kuravanji Literature. *International Conference on “Contribution of Literature in Arts”*, Department of Tamil, Shri Shankarlal Shasun Jain College for Women T.Nagar. 17.04.2021.

## DEPARTMENT OF LEGAL STUDIES

### Books/Book Chapters

None

### Journal Publications

1. Adikari, A.A.C.J. & Wijesinghe W.A.S.S. (2021). Making Intellectual Property a Common Good to Combat Global Pandemics and the COVID-19 Technology Access Pool (C-TAP): Responding the Challenges Exerted by Big Pharma and Some High-Income Countries. *Vidyodaya Journal of Management*, 7(2), 69-99.
2. Hettiarachchi, C.A., Reeve, B. & Wijesinghe, W.A.S.S. (2021). A Comparative Doctrinal Analysis of Food Advertisement Laws in Sri Lanka with Selected Jurisdictions. *Journal of the College of Community Physicians in Sri Lanka*, 27(2), 339-349. <https://doi.org/10.4038/jccpsl.v27i2.8393>
3. Hettiarachchi, C.A., Wijesinghe W.A.S.S. (2021) Food-Medicine Interface and its Application in International Level, Comparative Jurisdictions and Sri Lankan Legal Context. *World Nutrition*, 12(1), 103-111. <https://doi.org/10.26596/wn.2021121103-111>

### Conference proceedings/abstracts/extended abstracts

1. Damayanti H.N, (2021) Efficacy of Collective Actions Approach for Sustainable Fishing in Palk Bay Region Efficacy of Collective Actions Approach for Sustainable Fishing in Palk Bay Region, *iPURSE 2021*, University of Peradeniya.
2. Damayanti H.N, (2021), Towards Equitable Sharing of Fishing Harvest in Palk-Bay Region; State Responsibility on Assuring Viable Solutions to Fishing Issues, *4th International Conference on Contemporary issues of Commerce, Education, Arts and Information Technology*, Colombo, Sri Lanka.
3. Hewameealla. S. ,The Right to Property in the Indian Constitution: Contemporary Challenges, *04th International Conference on Contemporary issues of Commerce, Education, Arts and Information Technology (ICCEAIT 2021)* 29th October 2021 Colombo.

4. Jeewanthi M.K.G.,(2021). *Food safety and Sustainable Development Goals*, Annual Research Conference at the Faculty of Graduate Studies, University of Colombo.
5. Jeewanthi M.K.G.,(2021).*Puzzling out the Issue of Obesity Under the Human Rights Based Approach*, 14<sup>th</sup> International Research Conference, General Sir John Kotelawala Defence University.
6. Panditharatne, W.N.G, Thilakarathne, Y.G.T.Y, (December, 2021) Analysis of the Effectiveness of Selected International Labour Standards in Ensuring Employment Wellbeing in the aftermath of the Covid-19 Pandemic. *04th International Conference on Sociology & Law*, Colombo, Sri Lanka.
7. Thilakarathne, Y.G.T.Y, Panditharatne, W.N.G, (December,2021), Necessity of incorporating a provision of right to life into the Constitution of Sri Lanka- A legal Analysis. *4th International Conference on Sociology & Law*, Colombo, Sri Lanka.
8. Wijesinghe W.A.S.S. (2021, November 1-12) Public Health and Trademark Debate: A Proposal to Develop a Policy Coherence in Sri Lankan IP Law in the Context of Proposed Tobacco Plain Packaging Measures [Conference Session] 17th World Intellectual Property Organization (WIPO)- World Trade Organization (WTO) Colloquium for Teachers of Intellectual Property, (WTO) Geneva, Switzerland.
9. Wijesinghe W.A.S.S., & Adikari A.A.C.J. (2021, December 09-10) Protection of Intellectual Property Rights and Advancing Public Health in the Time of the Global Pandemic: The Impact of the Increasing Use of Three-Dimensional (3D) Printing of COVID-19 Medical Equipment [Paper Presentation] *18th International Conference on Business Management (ICBM) 2021*, University of Sri Jayewardenepura, Sri Lanka.

## DEPARTMENT OF SOCIAL STUDIES

### Books/Book Chapters

1. Madhubhashini, G.T. (2021). *Communication and Media Studies: Theories and practices*. Maradana: Godage Publishers.
2. Madhubhashini, G.T. (2021). *Jeewitha Kawiya: Nirmanathmaka Isaw Soya Yana Sanniwedana Prawesayak*. Author publication.
3. Piyarathne, Anton (2021). *Folk religious practices as an indigenous approach to negotiating disaster risks in Sri Lanka*. In Dilanthi Amaratunga, Richard Haigh and Nuwan Dias eds. Pp. 737-750. Switzerland: Springer International Publishing.
4. Piyarathne, Anton (2021). *Who are the Sri Lankans in Australia?: An outline for mental health workers*. In Multicultural Responsiveness in Counselling and Psychology. Vicki Hutton and Susan Sisko eds. Pp. 51-96. New York: Palgrave Macmillan.

### Journal Publications

1. Madhubhashini, G.T. (2021). Traditional forms of communication for agricultural related livelihood in rural Sri Lanka. *The Journal of Development of Communication*. 32(1). 60-67.
2. Madhubhashini, G.T. (2021). The role of Television as an educational medium in empowering rural students in Sri Lanka during Covid 19 pandemic. *Journal of languages, Communication and Humanities*. 4(2). 89-100.
3. Madhubhashini, G.T. (2021). Traditional folk communications among indigenous people: Veddhas Community in Sri Lanka. *The Journal of Development Communication*. 32(2). 15-22.
4. Madhubhashini, G.T. (2021). The role of Traditional forms of communication in the context of Covid 19 in Rural Sri Lanka. *Asian Journal of Applied communication*. 11(2). 37-52.

5. Madhubhashini, G.T. (2021). The role of traditional folk media in empowering rural communities in Sri Lanka. *VISTAS Journal of Humanities and Social Sciences*. (14(1). 50-60.
6. Madhubhashini, G.T. (2021). The use of traditional forms of communication for honey gathering in rural Sri Lanka. *International Journal of media and communication Research*.3(1). 1-10.
7. Madhubhashini, G.T. (2021). The reality of information poverty in Sri Lanka. *Madhya Sameeksha*. 4. 80-86.
8. Madhubhashini, G.T. (2021). Opportunities and challenges faced by mid-career academics in the discipline of Humanities and Social Sciences in the context of Open and Distance Learning. *VISTAS Journal of Humanities and Social Sciences*. 14(2). 119-140.

#### **Conference proceedings/abstracts/extended abstracts**

1. Abeysinghe, H.M.P.P.K. & Angammana, B.H. (2021. December 21-22). A Study on Available Library Services for Differently- Able Users in North Western Province (NWP) Public Libraries, Sri Lanka (Conference Poster presentation abstract). *International Symposium of Rajarata University ISymRU 2021* , Faculty of Technology, Rajarata University of Sri Lanka, Mihintale, P.168.
2. Angammana. B. H. & Perera. J. A. P. S. (2021, October 21). Conducting day-school via ZOOM during COVID 19 lockdown: Students' & facilitator's reflections. (Conference Abstract presentation abstract). *Youn Scientists conference on multi disciplinary research 2021*, Young scientists association, National Institute of fundamental studies. Kandy. P. 140.
3. Jayarathna. R.N. H. M. D. & Angammana. B. H. (2021. December 21-22). Use of Kinesics: Family-Centered Ethical Identities of Personal Communication in an Urban and a Semi-Urban Context (Conference Abstract presentation abstract). *International Symposium of Rajarata University ISymRU 2021* , Faculty of Technology, Rajarata University of Sri Lanka, Mihintale, P.159.
4. Madhubhashini, G.T. (2021, June 1-3). Challenges and opportunities of e-learning via zoom [Paper presentation]. *34th Annual conference of the Asian Association of Open Universities*, The Open University in Sri Lanka, Sri Lanka.



5. Priyadarshani. A. A. N. , Angamma. B. H. & Abeysinghe. H. M. P. P. K. (2021. December 21-22). Impact of the Main Family for being Pregnant in Teenage in a Selected Semi Urban Village in Sri Lanka (Conference Poster presentation abstract). *International Symposium of Rajarata University ISymRU 2021* , Faculty of Technology, Rajarata University of Sri Lanka, Mihintale, p.167.
6. Piyarathne, Anton (2021). “*Moorthi’s Dream: An Ethnography of Dream as the Nexus Between Human and their Guardian Deity*”(ID 208), paper presented at the 5th DREAMS, PHANTASMS AND MEMORIES: International Interdisciplinary Conference on 25<sup>th</sup> & 26th November 2021. Organised by InMind Support.
7. Piyarathne, Anton (2021). “*The Pattini worshipping cult and indigenous approach to negotiating natural disasters in Sri Lanka*”(ID 208), paper presented at the Open University Research Sessions 2021 (OURS 2021) conducted on 16th & 17th September 2021. Organised by the Open University of Sri Lanka.
8. Piyarathne, Anton (2021). “*Cultivating development: an anthropological interpretation of the struggle to building a reservoir for kids*, a paper presented at the International Virtual Conference on Small-Scale Food Producers Legacies and Future Challenges, conducted on 19<sup>th</sup> and 20<sup>th</sup> of March 2021. The research conference was jointly organised by IUAES Commission on The Anthropology of Food and Nutrition-(ICAF), IUAES Commission on Anthropology and Environment-(CAE), Intercultural University of the State of Puebla-(UIEP).
9. Welikala, Sepalika. (2021) *Homogenizing Rights in a Global Legal Landscape: Wither Legal Pluralism in Sri Lanka?* Presented at the Law and Society Association Annual Meeting, Chicago, USA. 26-30 May 2021.
10. Welikala, Sepalika. (2021) *Legitimacy and Compliance during a pandemic - Experience from Sri Lanka*. Presented at the 2021 Asian Law and Society Virtual International Conference, hosted by Faculty of Law, Chulalongkorn University, Thailand. 17-18 September 2021.

## **DEPARTMENT OF ENGLISH LANGUAGE TEACHING (DELT)**

### **Books/Book Chapters**

None

### **Journal Publications**

None

### **Conference proceedings/abstracts/extended abstracts**

None

**FACULTY OF  
MANAGEMENT STUDIES**

## FACULTY OF MANAGEMENT STUDIES

Department	Books / Book Chapters	Journal Publications	Conference proceeding/ abstracts/ extended abstracts
Department of Accounting and Finance	0	6	11
Department of Human Resource Management	0	5	3
Department of Marketing Management	0	7	15
Department of Organizational Studies	0	1	9
<b>Total</b>	<b>0</b>	<b>19</b>	<b>38</b>

### DEPARTMENT OF ACCOUNTING AND FINANCE

#### Books/Book Chapters

None

#### Journal Publications

1. Liyanagamage, C. (2021). Effect of Inter-Industry Competition and Financial Freedom on Competitiveness of Commercial Banking Sector, *Financial Studies*, Vol 25 (1), pp 30-47.
2. Liyanagamage, C. (2021). Bank Competition and Economic Growth: The short-run and long-run effects, *International Journal of Finance and Banking Studies*, Vol 10, Issue 1, pp. 20-33.
3. Liyanagamage, C. (2021). Banking sector competitiveness: Does competition for off-balance sheet banking matter. *International Journal of Research in Business and Social Science* Vol. 10(2), PP 195-202.

4. Liyanagamage, C. (2021). Determinants of Financial Sustainability of Financial Intermediaries. *International Journal of Finance and Banking Studies*, Vol 10, Issue 1, pp. 1-10.
5. Liyanagamage, C. (2021). Examining the Competitiveness of Sri Lankan Banking Sector, *International Journal of Research in Business and Social Science* Vol.10(3).
6. Liyanagamage, C. and Madusanka, P.H.A.C. (2021). Modeling for Stock Price Forecasting in Colombo Stock Exchange: An Historical Analysis of Stock Prices, *International Journal of Applied Economics, Finance and Accounting*, Vol 9, Issue 1, pp. 1-9.

### **Conference proceedings/abstracts/extended abstracts**

1. Senevirathne, W.A.R., Gunasekara, R.P., Nisansala D.W., Herath, A. D., & Nilwala, W.M. (2021). The digital transformation in online learning trends amidst Covid-19 pandemic in Sri Lanka. *Proceedings of the Open University Annual Research Session* held on 16-17 September 2021.
2. Senevirathne, W.A.R., Weerasekara, C., Nilwala, W., Silva, J., Gunasekara, R., & Nisansala, W. (2021). Potentiality to achieve financial well-being through financial literacy among employees and professionals in Sri Lanka. *Proceedings of the 3rd International Conference on Social Sciences and Humanities*. Colombo, Sri Lanka. held from 22nd -23rd January 2021.
3. Chandrasena, S., & Senevirathne, W.A.R. (2021). Challenges and panacea in online learning amidst in Covid-19 pandemic: Empirical study in higher education sector in Sri Lanka. *Proceedings of the 3rd International Conference on Social Sciences and Humanities*. Colombo, Sri Lanka. held from 22nd -23rd January 2021.
4. A.B.P Edirisinghe, A.B.P., & Senevirathne, W.A.R. (2021). Study on financial literacy and investor behavior in the Colombo Stock Exchange. *Proceedings of the 3rd International Conference on Social Sciences and Humanities*. Colombo, Sri Lanka. held from 22nd -23rd January 2021.

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6. Senevirathne, W.A.R., Sivalogathan, V., Gunasekara, R.P., & Nisansala, W.D. (2021). Review of Prevailing Trends in Online Learning Amidst in Covid-19 Pandemic, Empirical Study in Higher Education Sector in Sri Lanka., Proceedings of the The 34<sup>th</sup> Asian Association of Open Universities (AAOU) Conference – Hosted by the Open University of Sri Lanka, held on 1-3 June 2021, Colombo Sri Lanka.
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8. Hapugoda, J.C., Rathnayake, T., Senevirathne, W.A.R., Perera, H.U., Seneviratne, P., Abeysekara, N. & Sivalogathan, V. (2021). An empirical study of the influencing factors and learner preferences for the selection of a study programme with the focus on undergraduate management studies, Proceedings of the The 34<sup>th</sup> Asian Association of Open Universities (AAOU) Conference – Hosted by the Open University of Sri Lanka to be held on 1-3 June 2021, Colombo Sri Lanka.
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## **DEPARTMENT OF HUMAN RESOURCE MANAGEMENT**

### **Books/Book Chapters**

None

### **Journal Publications**

1. de Zoysa, W. Manjulie and Sivalogathan,V. (2021) A Study on The Mediation Effect of Work-Life Balance on The Relationship Between Psychological Empowerment and Job Satisfaction among Female Bank Employees of Sri Lanka, *Sri Lankan Journal of Human Resource Management* Vol. 11, No. 1, 2021.
2. L.I.Malalasekara and Sivalogathan, V., (2021) Factors Influencing Job Satisfaction Of Nurses Attached To National Institute Of Nephrology, Dialysis And Transplant (Nindt), *Journal of Management Issues (JMI)*, Faculty of Management Studies, The Open University of Sri Lanka.
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## **DEPARTMENT OF MARKETING MANAGEMENT**

### **Books/ Book Chapters**

None

### **Journal Publications**

1. Lakmali, A.A.I., Abeysekera, N. and Silva, D.A.C.S. (2021), "Effectiveness of customer social participation for academic purposes: a case of informal WhatsApp groups", *Asian Association of Open Universities Journal*, Vol. ahead-of-print No. ahead-of-print. <https://doi.org/10.1108/AAOUJ-08-2021-0093>.



2. Pathirana, L. P. D. S., & Abeysekera, N. (2021). Relationship between Brand Tribalism and Tribe Behavioral Intention: Research Propositions on Electrical Material Sector in Sri Lanka, Faculty of Commerce and Management Studies, University of Kelaniya, Sri Lanka, p.110,2021.
3. Pathirana, L. P. D. S., & Abeysekera, N. Impact of brand tribe characteristics on word of mouth intention: A mediating effect of brand trust in Sri Lankan electrical material sector. *International Journal of Multidisciplinary Academic Research*, vol. 2 iss. (1) 2021.
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5. Shanmuganathan, K., Abeysekera, N, Gamini, L. P. S, and Chandralal L. K. P. (2021). A study in the association between social capital and people's involvement in the tourism context. *TRANS Asian Journal of Marketing & Management Research (TAJMMR)*, 10(2-3), 4-18.
6. Perera, MJ R, Johar G.M, Kathibi A, Halinah Atan, ,AbeysekeraN, Dharmaratne,I.R(2021), PLS-SEM Based Service Quality and Satisfaction Analysis in Sri Lanka's Open Distance Learning, *Insights into Economics and Management*, Vol. 9, 56-82.
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2. Jayasinghe, W. (2021, September). Customer Engagement, CRM and Intimacy: A Study of Mobile App Effectiveness. *Business, Law, and Management- International e-Conference, Colombo , Sri Lanka*.

3. Abeysekera, N., (2021), Colonial and Decolonial Thinking and Indigenous Marketing: The Case of Sri Lanka, *12th ICMS conference BML Munjal University, India*.
4. Sandakalum, G.A.D.D., Abeysekera, N. & Rathnayake, T.H., (2021), Impact of Social Media Marketing on Impulsive Purchasing Behavior: An Empirical Study on The Online Fashion Retail Industry in Sri Lanka, *6th Interdisciplinary Conference of Management Researchers (ICMR) – 2021*.
5. Lakmali, A.A.I., Perera, R.H.A.T., Rathnayake, T.H., Hapugoda, J.C., Fernando, M.A., Makubura, M.G.C.D., Sapukotanage, S. & Abeysekera, N., (2021), Determinants of Learner Satisfaction on Online Pre-Submission Progress Presentation: With Special Reference to Bachelor of Management Studies (BMS) Degree Program, *International Conference on Innovation in Open and Distance Learning 2021 (INNODEL 2021)*.
6. Lakchan, U.G.C. & Rathnayake, T.H., (2021), The Influence of E-Word of Mouth Marketing on The Students' Intention Towards Management Degree Selection; with Special Reference to Undergraduates of The Open University of Sri Lanka, *Open University Research Session 2021 (OURS 2021)*.
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8. Perera, R. H. A.T., (2021). Effect of Gender on the Choice of Areas Of Specialization – With Special Reference To Selected Undergraduates In Sri Lanka, *BPU Webinar Series, Pedagogical Efficacy In Global Context, 2nd International Online Conference. Buddhist and Pali University of Sri Lanka*
9. R.A.M. Madumanjalee, R.H.A.T. Perera., (2021). Factors Influencing Customer Satisfaction of Ceylinco General Insurance Motor Policy: Special Reference to Western Province in Sri Lanka. *Proceedings of the Open University Research Sessions (OURS 2021).ISSN 2012-9912.*

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11. A.M.D.S. Jayawardhana, R.H.A.T. Perera, N. Abeysekara., (2021). Feelings of Financial Guilt: Exploring The Factors That Influence Financial Guilt During The ovid-19 Pandemic. Proceedings of The *Open University Research Sessions* (OURS 2021). ISSN 2012-9912.
12. Lakmali, A. A. I., Perera, R. H. A.T., Rathnayaka , T. H ., Hapugoda, J.C., Fernando, M.A., Mahakubura, M.G.C.D., Sapukotanage, S., & Abeysekera, N. (2021). Determinants of learner satisfaction on online pre-submission progress presentation: with special reference to Bachelor of Management Studies INNODEL 2021, University of Terbuka, Indonesia.
13. Senevirathne, G.K.T.D.,& Lakmali, A.A.I. (2021), The determinants of consumer purchase intention towards organic rice in Sri Lanka: with special reference to Panadura city, *Open University Research Sessions* -September 2021.128. <https://ours.ou.ac.lk/proceedings>.
14. Fernando, C.A., & Lakmali, A.A.I. (2021). Determinants of work-life balance among banking professional: an inquiry into a private bank in Sri Lanka.*Open University Research Sessions* -September 2021.138.<https://ours.ou.ac.lk/proceedings>.
15. Upeksha,H.G.G.,& Lakmali, A.A.I. (2021), Determinants of work-life balance among banking professionals: an inquiry into a private bank in Sri Lanka.*Open University Research Sessions*-September 2021.112. <https://ours.ou.ac.lk/proceedings>.

## **DEPARTMENT OF ORGANIZATIONAL STUDIES**

### **Books/Book Chapters**

None

## **Journal Publications**

1. Hapugoda, J. C. & Sooriyarachchi, M. R. (2021). A Simulation Study for Performance Comparison between Generalized Linear Mixed Modeling (GLMM) and Generalized Regression Neural Networks (GRNN) in Joint Modeling of Mixed Responses. *Tropical Agricultural Research*, 32(1): 49-57.

## **Conference proceedings/abstracts/extended abstracts**

1. Hapugoda, J., Fernando, A., & Mahakumbura, C. (2021). Impact Of ‘Work From Home’ On Employee Productivity: With Reference To The Sri Lankan Work Community. *Open University Research Sessions 2021(OURS 2021)*, 121.
2. Hapugoda, Jayani, Fernando, A., & Mahakumbura, C. (2021). Learner Perceptions On The Mode Of Delivery Of Mathematics Courses: The Case Of Sri Lankan Open And Distance Learners In Management Studies. *Proceeding of the 34th Annual Conference of the Asian Association of Open Universities (2021)*, 1, 95.
3. Jayawardhana, A. M. D. S., Fernando, M. A. M. A., & Mahakumbura, M. G. C. D. (2021). Has Gender Created any Difference in the Job Stress, in “Work From Home” Environment During COVID-19? Special Reference to Private Sector Employees in Sri Lanka. *The 2nd International Conference 2021*, 16.
4. Lakmali, A. A. I., Perera, R. H. A. T., Rathnayake, T. H., Hapugoda, J. C., Fernando, M. A., Makubura, M. G. C. D., Sapukotanage, S., & Abeysekera, N. (2021). Determinants Of Learner Satisfaction On Online Pre-Submission Progress Presentation: With Special Reference To Bachelor Of Management Studies (Bms) Degree Program. *International Conference on Innovation in Open and Distance Learning (INNODEL)*, 27.
5. Jayani Hapugoda, Aruni Fernando and Chalitha Mahakumbura (2021). Learner Perceptions on the Mode of Delivery of Mathematics Courses: The Case of Sri Lankan Open and Distance Learners in Management Studies. *Proceedings of the Conference of Asian Association of Open Universities 2021*, Sri Lanka.

6. Jayani Hapugoda, Tharindu Rathnayake, Asanka Senevirathne, Harini Perera, Prajna Seneviratne, Nalin Abeysekara and Vasthiyampillai Sivalogathan (2021). An Empirical Study of the Influencing Factors and Learner Preferences for the Selection of a Study Programme with the Focus on Undergraduate Management Studies. Proceedings of the *Conference of Asian Association of Open Universities 2021*, Sri Lanka.
7. Hapugoda, J., Fernando, A., & Mahakumbura, C. (2021). Impact of 'Work From Home' On Employee Productivity: With Reference To The Sri Lankan Work Community. *Open University Research Sessions 2021(Ours 2021)*, 121.
8. Atapattu, A .D.D.H., Sewwandi, D.K. (2021) Impact of Training and Development on performance of Executive-level employees in Licensed Special Banks: Employees' Perspective (With special reference to ABC Bank PLC Head Office), *Open University Research Sessions (OURS 2021)*, p.136, The Open University of Sri Lanka.
9. Hapugoda, J. C. & Sooriyarachchi, M. R. (2021). Joint Marginalized Multilevel Model for Study Program Completion and Performance of Students: The Case of Sri Lankan Open and Distance Learners in Management Studies. Proceedings of the International Conference Multidisciplinary Approaches in Science 2021, University of Colombo.

# **FACULTY OF NATURAL SCIENCES**

## FACULTY OF NATURAL SCIENCES

Department	Books/ Book Chapters	Journal Publications	Conference proceedings /abstracts/ extended abstracts
Department of Botany	0	20	8
Department of Chemistry	1	21	19
Department of Mathematics	2	3	5
Department of Physics	0	17	14
Department of Zoology	0	16	31
Department of Computer Science	0	0	7
<b>Total</b>	<b>3</b>	<b>77</b>	<b>84</b>

### DEPARTMENT OF BOTANY

#### Books/Book Chapters

None

#### Journal Publications

1. Daulagala, P.W.H.K.P., Marasinghe, L.D.K. & Samithri, Y.A.S. (2021). Analysis of physicochemical and bacteriological parameters of raw and treated water of Roseneath water purification plant in Dunumadalawa forest reserve in Kandy, Sri Lanka. *Asian Journal of Research in Botany*, 6(3), 42-50.
2. Fernando, D. R., A. van der Ent, M., H. A. S. Weerasinghe, D. S. A. Wijesundera, G. W. A. R. Fernando, A. E. Fernando, M. C.M. Iqbal, C. H. Miranda\*, J. M. Gosse\*, Y. A. S. Samithri and N. Rajakaruna. 2021. Assessment of plant diversity and foliar chemistry on the Sri Lankan ultramafics reveals inconsistencies in the metal hyperaccumulator trait. *Ecological Research*; <https://doi.org/10.1111/1440-1703.12282>.

3. Fernando, Denise R. M., Ent, Antony, Weerasinghe, Asiri S., Wijesundara, Douglas Siril A., Fernando, Gunawarna W. A. Rohan, Fernando, Anthony E., Iqbal, Mohamed C. M., Miranda, Charlotte H., Gosse, Jordan M., Samithri, Sadhana, and Rajakaruna, Nishanta (2021). Assessment of plant diversity and foliar chemistry on the Sri Lankan ultramafics reveals inconsistencies in the metal hyperaccumulator trait. *Ecological Research*.
4. Daulagala, P.W.H.K.P. (2021) Chitinolytic endophytic bacteria as biocontrol agents for phytopathogenic fungi and nematode pests – A review. *Asian Journal of Research in Botany*, 5(3): 14-24.
5. Daulagala, P.W.H.K.P. (2021) Association of L-form bacteria with plants and their application in biological control of phytopathogenic fungi and bacteria: A review. *Journal of Advances in Microbiology*, 21(10): 77-86.
6. Kuruppuarachchi, J., Sayakkarage, V., & Madurapperuma, B. (2021) Environmental Literacy Level Comparison of Undergraduates in the Conventional and ODLs Universities in Sri Lanka. *Sustainability*, 13(3), 1-16 <https://doi.org/10.3390/su13031056>.
7. ArunaDeshapriyaHewamadduma and Weerasinghe, T.K. (2021) - Treatment of Textile Effluent Containing Reactive Black 5 Dye using Advanced Oxidation, *International Journal of Scientific Research and Engineering Development*— Volume 4 Issue 1, Pages 61 -76 Jan-Feb 2021, [www.ijred.com](http://www.ijred.com).
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9. Perera, K.A.R.S, and Amarasinghe, M. D. (2021). Vegetation structure, biomass and carbon retention capacity of mangroves at Northeast coast of Sri Lanka, *Ceylon Journal of Science*, 50(2): 183-191, <http://doi.org/10.4038/cjs.v50i2.7881>.
10. Karunanayake, K.O.L.C., & Adikaram, N.K.B. (2021). Response of endemic *Mangifera zeylanica* (Blume) Hook. f. fruit to common postharvest pathogens of cultivated mango (*Mangifera indica* L.) fruit in Sri Lanka. *Ceylon Journal of Science*, 50(1), 75–82. DOI:<http://doi.org/10.4038/cjs.v50i1.7849>.



11. Weerakoon, S.R. & Somaratne, S. (2021). Development of a core collection from Sri Lankan traditional rice (*Oryza sativa*) varieties for phenotypic and genetic diversity. *NUSANTARA BIOSCIENCE*, 13, 61-68. <https://doi.org/10.13057/nusbiosci/n130109>.
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13. Munasinghe, S., Somaratne, S., Weerakoon, S.R., Ranasinghe, C. (2021). In vitro production of sesquiterpenes by electro-elicitation in *Gyrinops walla Gaetner* calli and cell suspension cultures. *The EuroBiotech Journal*, 5(2), 70-78. DOI:10.2478/ebtj-2021-0011.
14. Munasinghe, S., Somaratne, S., Weerakoon, S.R., Ranasinghe, C. (2021). Sustainable utilization of *Gyrinops walla Gaetner*: In vitro production of sesquiterpenes by chemical and biological elicitation. *Journal of Genetic Engineering and Biotechnology*, 19(1), 134. DOI: 10.1186/s43141-021-00187-2.
15. Munasinghe, S.P., Somaratne, S., Weerakoon, S.R., Ranasinghe, C. (2021). In vitro propagation of *Gyrinops walla Gaetner* 'Walla patta', a vulnerable agarwood producing species in Sri Lanka. *Sri Lankan J. Biol.* 2021, 6 (2): 1 – 6. DOI:10.4038/slj.v6i2.82.
16. Mohammed, A., & Weerasinghe, T. K. (2021). The Degree of Success in Environmental Mitigation Measures of Development Projects in Sri Lanka with Special Reference to Peraru Water Supply and Sanitation Project. *European Journal of Applied Sciences*, 9(1), 174–194. <https://doi.org/10.14738/aivp.91.9065>
17. Sanjeevan S, Weerasinghe T.K. and Satheeswaran S. (2021) Impact Of Seawater Intrusion Bund On Soil & Water Conservation Along The Coastal Line Of Poonakary, Sri Lanka, *International Journal of Progressive Sciences and Technologies (IJPSAT)* ISSN: 2509-0119. © 2021 *International Journals of Sciences and High Technologies* <http://ijpsat.ijsh-t-journals.org> Vol. 27 No. 2 July 2021, pp.242-255 <http://ijpsat.ijsh-t-journals.org> ISSN: 2509-0119.

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20. Herath, A.T. (2021). Assessment of Microbiological and Chemical Quality of Spring water in Riverston of Knuckles Mountain Range in Sri Lanka. *Journal of Science*, 12(2), 79-88.

#### **Conference proceedings/abstracts/extended abstracts**

1. Alahakoon, A.A.C.B. & Daulagala, P.W.H.K.P. (2021) Post dispersal survival and germination of seeds of *Pterocarpus marsupium* and *Elaeocarpus ganitrus*. *Proceedings of the Postgraduate Institute of Science Research Congress (RESCON, 2021)*, Sri Lanka. p.102.
2. Ranagala. K, Weerasinghe, T.K. &Wijethunga, I (2021). Study on Environmental Reporting Practices of Sri Lanka with special reference to Plantation Companies, Abstract was published in the Proceedings of the *International Conference on Environmental Governance (ICGE 2021)*, Colombo, Sri Lanka held on 24<sup>th</sup> – 25<sup>th</sup> November 2021 at BMICH. Pg 61.
3. Rasanjali, K.G.A., De Silva, C.S. and Jayakody, L.K.R.R. (2021). Effect of super absorbent polymers and different irrigation intervals on growth and yield of tomato (*Lycopersicon esculentum* Mill) under temperature stress condition. *Open University Research Sessions (OURS 2021)*.
4. Sandanayake C.L.T., Weerakoon S. R., Somaratne S., &Karthikayan N. (2021). Effect of Nano-CuO and Nano-ZnOMicronutrient Fertilizers on Physiological Parameters of selected Rice (*Oryza sativa* L.) Varieties. *Ruhuna International Science and Technology Conference – 2021 (RISTCON 2021)*, 17<sup>th</sup> February 2021, University of Ruhuna, Sri Lanka. Pp 12.

5. Sandanayake, C. L. T., Weerakoon, S. R., Karthikeyan, N. & Somaratne, S. (2021). Growth and Yield performances of rice (*Oryza sativa* L.) varieties under nano-micronutrient fertilizers, nano- CuO and nano- ZnO. *Proceedings of Open University Research Sessions 2021 (OURS 2021), 16<sup>th</sup> and 17<sup>th</sup> September 2021, The Open University of Sri Lanka*. Pp. 35. (Ext. Abstract Pp. 1-5).
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7. Perera, D.D.N., Herath, A.T., Randika, J.L.P.C., Ruwandeepika, H.A.D. and Jayalal, R.G.U. (2021). Evaluation of microbiological quality of commercially available bottled drinking water in Colombo district, Sri Lanka. *International Peradeniya University Research Session*.
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## DEPARTMENT OF CHEMISTRY

### Books/Book Chapters

1. Shironica P. Karunanayaka and Som Naidu, I. A. Premaratne and K. G. S. K. Perera, M. N.K. de Zoysa and S. R. Hettiarachchi, S. A. S. Kaushalya Perera, S. A. Ariadurai and J. C. N. Rajendra, T. C. Sandanayake and D. D. M. Ranasinghe. 2021. “*Pathways to Open Educational Practices*”, The Open University of Sri Lanka, Nawala, Nugegoda, Sri Lanka (ISBN 978-955-23-1763-7).

## Journal Publications

1. Abeysinghe, D.T., Alwis, D.D.D.H., Kumara, K.A.H., & Chandrika, U.G. (2021). Nutritive Importance and Therapeutics Uses of Three Different Varieties (*Murrayakoenigii*, *Micromelum minutum*, and *Clausena indica*) of Curry Leaves: An Updated Review. *Evidence-Based Complementary and Alternative Medicine*, 2021. <https://doi.org/10.1155/2021/5523252>
2. Abeysinghe, D.T., Kumara, K.A.H., Kaushalya, K.A.D., Chandrika, U.G., & Alwis, D.D.D.H. (2021). Phytochemical screening, total polyphenol, flavonoid content, in vitro antioxidant and antibacterial activities of Sri Lankan varieties of *Murrayakoenigii* and *Micromelum minutum* leaves. *Heliyon*, 7(7), e07449. <https://doi.org/10.1016/j.heliyon.2021.e07449>
3. Alwis, D. D. D. H., Chandrika, U. G., & Jayaweera, P. M. (2021). Photostability of apocarotenoids on the surface of TiO<sub>2</sub> semiconductor nanoparticles. *Journal of Photochemistry and Photobiology A: Chemistry*, 407, 113061.  
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concentration dependent curcumin interaction with serum biomolecules using ATR-FTIR  
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### Books/Book Chapters

None

### Journal Publications

1. Bandaranayaka, K. O., Dissanayake, U. I. and Rajakaruna, R. S. (2021). Experimental aspects of life cycles of two hard tick species, *Rhipicephalus (boophilus) microplus* and *Hyalommaaisaaci* (Acari: Ixodidae), on New Zealand white rabbits. *Ceylon Journal of Science*. 50(1):47. <http://doi.org/10.4038/cjs.v50i1.7846>
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4. Gaminda, K. A. P., Thomas, I. B. K., Abeysinghe, D. T., Jayasinghe, C. D., & Senthilnithy, R. (2021), Deoxyribozymes in detection of Pathogenic bacteria. *Biotechnologia acta*, T.14. No.5.

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8. Nayanakanthi Nilakarawasam, Radhika De Silva, Dusantha Alwis, Thejani Bulathwatta, Ransirini De Silva and Nimmi Dilsha (2021). Developing a proactive motivational individual student support system at OUSL: A preliminary study for identification of influential factors, Proceedings of the *34th Annual Conference of Asian Association of Open Universities (AAOU2021)* Colombo, Sri Lanka.
9. Nilakarawasam, N., De Silva, K.R.M., Alwis, D.D.D.T., De Silva, R., Dilsha, R.A.N., Bulathwatta, B and Athapattu, B.C.L. (2021). Developing a proactive motivational individual student support system at OUSL: A preliminary study for identification of influential factors. In *Proceedings of the 34th Annual Conference of the Asian Association of Open Universities (AAOU 2021)*, 1-3 June 2021, The Open University of Sri Lanka, Nawala
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13. Ranasinghe, K., Gunathilaka, N., Amarasinghe, D., Rodrigo, W., and Udayanga, L. (2021). Diversity of midgut bacteria in larvae and females of *Aedes aegypti* and *Aedes albopictus* from Gampaha District, Sri Lanka. *Parasites Vectors*, 14:433. Diversity of midgut bacteria in larvae and females of *Aedes aegypti* and *Aedes albopictus* from Gampaha District, Sri Lanka | Parasites & Vectors | Full Text (biomedcentral.com)
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1. Alawattegama, R.D.D.W.M.R.S. and Dahanayaka, D.D.G.L. (2021), Assessing spatial allocation of coastal and marine utility areas in the North-Western region of Sri Lanka, *Proceedings of the Young Scientists Conference on Multidisciplinary Research-2021*, Young Scientists Association, National Institute of Fundamental Studies, Sri Lanka, P 55
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6. De Silva B.D. and Illeperuma R.J. (2021). Evaluation of Effectiveness of “Touch DNA” Evidence in Criminal Investigations in Sri Lanka. *Proceedings of Peradeniya University International Research Sessions 2021, Sri Lanka, Vol. 23, 11th & 12th November 2021 p. 416.*
7. Galappaththy, T., Fernando, T.S.P., Padmalal, U.K.G.K. (2021) The behavioural response of the Red Wattled Lapwing (*Vanellus indicus*) in different habitats. *Proceedings of the Open University Research Sessions (OURS 2021)* p. 41.

8. Gaminda, K. A. P., Jayasinghe, C. D., Abeysinghe, D. T., & Senthilnithy, R. (2021). Magnetically Retrievable Iron Oxide Nanoparticle Platform for Biosensor Development. *International Symposium of Rajarata University of Sri Lanka*, Poster ID 55
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16. Karunananda H.T.A.R, Fernando T.S.P., and Gunawardena M.P. (2021) Birds as a Potential Resource in Sustainable Tourism at a Leading Tourist Resort in Sri Lanka, *Proceedings of the 25th International Forestry and Environment Symposium (25)* pp98.
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20. Michael J. R., De Silva Y.Y.K. and Dahanayaka D.D.G.L., (2021) Assessing the impact of COVID-19 on fisheries production and exports in Sri Lanka & forecasting future trends, *Proceedings of the Twenty Seventh Scientific Sessions of the Sri Lanka Association for Fisheries and Aquatic Resources*, 10th December 2021. Department of Zoology and Environmental Management, Faculty of Science, University of Kelaniya, Sri Lanka.

21. Payagala, T.R., De Silva, M.D., Edirisinghe, C.K., Fernando, T.S.P., Padmalal, U.K.G.K. and Illeperuma, G.D. (2021). Developing a low-cost semi-autonomous electric fence monitoring system. *In Proceedings of the Annual Session, WILDLANKA Symposium-2020; held on 6th and 7th April 2021* (pp 14) Department of Wildlife Conservation, Sri Lanka.
22. Perera, W.P.T.A., Wickramasinghe, D. and Dahanayaka, D.D.G.L. (2021), Satellite Remote Sensing Observations of the Changes of Night Lighting in the Hambantota Area, – *14th International Research Conference*, General Sir John Kotelawala Defense University, p 13.
23. Ranasinghe R.P.T.I., Fernando T.S.P. and Wijesinghe M.R (2021). Exposure to Pb and Cd induces changes in the blood profile of the Japanese Quail (*Coturnix japonica*) HATCHLINGS. *In Proceedings of the Annual Session, WILDLANKA Symposium-2020; held on 6th and 7th April 2021* (pp 23) Department of Wildlife Conservation, Sri Lanka.
24. Ranasinghe, H.A.K., Gunathilaka, P.A.D.H.N., Amarasinghe, L.D. and Rodrigo, W.W.P. (2021). Molecular characterization of midgut bacteria in larval and adult stages of *Aedes albopictus* in Gampaha district, Sri Lanka. *Proceedings of the 41st annual sessions of Institute of Biology*, Sri Lanka, 30.
25. Rodrigo, W.W.P. and Dharmadasa, R.M. (2021). Evaluation of genetic diversity of *Phyllanthus debilis* populations in Sri Lanka using Maturase K (matK) gene region. *5th Biennial Research Symposium – 2021*, Industrial Technology Institute, Sri Lanka, 15.
26. Samarakoon, P.S., Jayasinghe, C.D., Jayawardena, U.A., Nilakarawasam, N. (2021). Glycemic, Lipidemic and Immunomodulatory effects of fenugreek (*Trigonella foenumgraceum*) seed consumption on male albino Wistar rats. *Proceedings of the OUSL Annual Academic Sessions, 16-17 September 2021*
27. Samarasighe, W.M.P., Jayawardena, K.H., Ranasinghe, C., Somaratne, S. and Gunaherath. G.M.K.B. 2021. Preliminary investigation of wound healing potential of the leaves and barks of *Ziziphus oenoplia* (L.) Miller. *Proceeding of the Open University Research Sessions (OURS 2021)*, 16th-17th September 2021, 33.

28. Tennakoon, T.K., Somarathna, L., Wijesinghe, M.R., Ranawaka, G.R.&Fernando, T.S.P. (2021). Morphometric variation between Rattus species in Sri Lanka and its taxonomic implications. *In Proceedings of the Annual Session, WILDLANKA Symposium – 2020*; held on 6 - 7 April 2021 (pp 40). Department of Wildlife Conservation, Sri Lanka.
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30. W.M.Priyantha Samarasinghe, K. Hector Jayawardena, Chandani Ranasinghe, Dharshani U. Dhanapala, SenaviratneSomaratne, G. M. Kamal B. Gunaherath (2021). Preliminary investigation of wound healing potential of leaves and bark of *Ziziphus oenoplia* using the cell migration and chorioallantoic membrane assays, *2nd Commonwealth Chemistry Posters*, 30th Sept. and 1st Oct 2021, P 111.
31. Weerawardhana, M.A.B.S., Fernando, T.S.P. and Balasuriya, D.N. (2021). A sensor for detecting elephants using their urine: A case study. *In Proceedings of the Annual Session, WILDLANKA Symposium-2020; held on 6th and 7th April 2021* (pp 1) Department of Wildlife Conservation, Sri Lanka.

## **DEPARTMENT OF COMPUTER SCIENCE**

### **Books/Book Chapters**

None

### **Journal Publications**

None



## Conference proceedings/abstracts/extended abstracts

1. Perera, M.J., Megasooriya, G., & Abeysinghe, A.M. (November 26, 2021). Online Student Engagement and Satisfaction During the Covid-19 Pandemic Situation. *International Conference on Business Innovation 2021 (ICOBI 2021)* (pp. 121-133). Emerald Publishing.
2. Karunathilake, N. & Perera, M.J.R. (2021) Determinants of customer satisfaction in tourism industry in Sri Lanka, Proceeding of the *Open University Research Sessions (OURS 2021)* ISSN 2012-9912 © The Open University of Sri Lanka, 139  
<https://www.ou.ac.lk/home/images/Research/publications/Updated%20OURS%202021%20Conference%20Proceedings%20.pdf>
3. Priyangika, S. & Perera, R. (2021) determinants of successful knowledge management in software development industry in Sri Lanka, Proceeding of the *Open University Research Sessions (OURS 2021)* ISSN 2012-9912 © The Open University of Sri Lanka, 137  
<https://www.ou.ac.lk/home/images/Research/publications/Updated%20OURS%202021%20Conference%20Proceedings%20.pdf> .
4. Silva, H.D., Ahangama, S., Perera, S. (2021). Sinhala Text Extraction from YouTube Thumbnails using Convolutional Spiking Neural Networks. *From Innovation to Impact 2020, Sri Lanka*
5. Caldera, H.M.M., Perera, S., Meedin, G.S.N., Perera, I. (2021). Classification of Trending Videos in YouTube, *From Innovation to Impact 2020, Sri Lanka*.
6. Perera, W.A.S.N., Perera, I., Ahangama, S. (2021). Hate Speech Detection on Sinhala Social Media Text Using LSTM and FastText. *Proceeding of the Open University Research Sessions (OURS 2021), Sri Lanka, 16th & 17th September 2021*.
7. Perera, W.A.S.N., Perera, I., Ahangama, S. (2021). Identifying Hate Content with Facebook Posts in Sinhala Language Using Emoticons and Reactions-based Text Analysis. *SLAAS 77th Annual Sessions - 2021, Sri Lanka*.

**POSTGRADUATE INSTITUTE  
OF ENGLISH**

## POSTGRADUATE INSTITUTE OF ENGLISH

	Books/ Book Chapters	Journal Publications	Conference proceedings/ abstracts/Extended abstracts
<b>Total</b>	<b>3</b>	<b>1</b>	<b>5</b>

### Books/ Book Chapters

1. Rambukwella, H. (2021). What got “left” behind: *The limits of Leftist Engagements with Art and Culture in Post-colonial Sri Lanka*, in, *Forms of the Left in Postcolonial South Asia: Aesthetics, Networks and Connected Histories*, ed., Sanjukta Sunderason and Lotte Hoek. London: Bloomsbury Academic.
2. Jansz, M. & Schreiber, B. R. (2021). *Engaging with Englishes through collaborative online international learning (COIL)*. In A.F. Selvi & B.Yazan (Eds.) *Language teacher education for global Englishes* (pp 61-66). Routledge
3. Wijesekera, H.D. (2021). Recognizing Diversity: *Multiethnic Sinhala- and Tamil-medium schools in Sri Lanka*. In Christina P. Davis and Chaise LaDousa (Eds). *The Language, Education, and Identity: Medium in South Asia* (pp. 182-205). Routledge.

### Journal Publications

1. Rambukwella, H. (2021). The politics of language scholarship: there are no truly global concerns. *International Journal of the Sociology of Language*, 2021(267-268), 253-257. <https://doi.org/10.1515/ijsl-2020-0057>

## Conference proceedings/abstracts/extended abstracts

1. Karunanayaka, S.P., Weerakoon, W.M.S., Nawaratne, N.M.R.K., Ramathaas, P., Weerasinghe, M.D.B.P. & Wijesekera, H.D. (2021). Promoting digital education practices among teachers and students in Sri Lankan secondary schools. [Paper presentation]. *ICDE Virtual Global Conference 2021*, 25-29 October 2021
2. Schreiber, B.R. & Jansz, M. (2021, March 19). Global Englishes via telecollaboration in teacher training: What does it change? *AAAL 2021 Virtual Conference*, USA.
3. Wijesekera, H. D. (2021). Breaking intergroup barriers through heteroglossic policy and practices: Bilingual education in Sri Lanka for cultural inclusivity". *7th International Research Conference in Humanities & Social Sciences – Collaborate and Discover: break the Barriers*. 18-19 March 2021
4. Wijesekera, H. D. (2021). Heteroglossia in Bilingual Education classrooms: A 'third space' for investment in inclusive social capital and social justice". *The Canadian Center for Studies and Research in Bilingualism and Language Planning (CCERBAL) Symposium*. 29 April- 1 May 2021.
5. Wijesekera, H. D. (2021). Transformation through transglossia: Sociological and applied linguistic realities and opportunities in multiethnic, bilingual education pedagogy in Sri Lanka. *53rd Annual Meeting of the British Association of Applied Linguistics*. 9-10 Sep 2021.

**CENTRE FOR  
EDUCATIONAL  
TECHNOLOGY & MEDIA  
(CETMe)**

## CENTRE FOR EDUCATIONAL TECHNOLOGY & MEDIA (CETMe)

Department	Books/ Book Chapters	Journal Publications	Conference proceedings /abstracts/ extended abstracts
<b>Total</b>	<b>0</b>	<b>1</b>	<b>11</b>

### Books/Book Chapters

None

### Journal Publications

1. Pullenayegem, J., De Silva, R. & Jayatilleke, B G (2021). Contradictions in Learner Interactions in a Blended-Learning Writing Course: An Activity Theory Analysis. *Journal of Learning for Development; JL4D*. 8(2),327-345.

### Conference proceedings/abstracts/extended abstracts

1. De Silva, D., Jayarathna, N., Wijeratne, D. & Jayatilleke, B. G. (2021, June 1-3). Using Electronic Course Material for Learning: Perceptions of Medical Laboratory Science Undergraduates. 34th Annual Conference of the Asian Association of Open Universities (AAOU), Colombo, Sri Lanka. Conference Proceedings Vol II, 523-532. [https://aaou2020.ou.ac.lk/assets/AAOU2021%20Volume2\\_Final\\_Online\\_Published.pdf](https://aaou2020.ou.ac.lk/assets/AAOU2021%20Volume2_Final_Online_Published.pdf)
2. Jayakody, M. K. (2021). A Study on the Causes of Common Inaccuracies Found in the Course Material of OUSL. Vol. 1. *34th Annual Conference of the Asian Association of Open Universities (AAOU 2021)*. OUSL. <https://aaou2020.ou.ac.lk/conference-proceedings.html>
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4. Jayatilleke, B.G. & Kulasekara,G. (2021). An activity theory analysis of the online course delivery at the Open University of Sri Lanka during The COVID outbreak. *34th Annual Conference of the Asian Association of Open Universities - Vol II* (2021) 75-83.
5. Jayatilleke, B. G.; Fernando, T. S. P.; Nishshanka, K. M.; Nayanajeehwi, S. G, & Ranawaka, G. R. (2021). Learners perceived impact on virtual learning activities in an undergraduate human biology course. 34th Annual Conference of the Asian Association of Open Universities (AAOU), Colombo, Sri Lanka. Conference Proceedings Vol II, 63-74  
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6. Kulasekara, G. U. & Senadheera, P. (2021). Digital plagiarism in online assessments and students' awareness on plagiarism. *Unequal World Online Conference*. 8-9 December 2021. <http://unequal.world>.
7. Ranasinghe, D. U. (2021, June 1-3). A study of the effectiveness of learning Sinhala as a second language online". 34th Annual Conference of the Asian Association of Open Universities (AAOU), Colombo, Sri Lanka. Conference Proceedings Vol II, 359-364  
[https://aaou2020.ou.ac.lk/assets/AAOU2021%20Volume2\\_Final\\_Online\\_Published.pdf](https://aaou2020.ou.ac.lk/assets/AAOU2021%20Volume2_Final_Online_Published.pdf)
8. Ranasinghe, D. U. (2021, September 16-17). A behavioral study on the change of learning patterns due to the change in the lecture delivery mode. *The Open University Research Sessions 2021*, 5.
9. Senadheera, P & Kulasekara,G.U. (2021). Designing of online formative assessments and its impact on students' learning. *International Council for Open and Distance Education (ICDE) Virtual Global Conference Week 2021: 25 - 29 October 2021*. Online Conference.
10. Senadheera, P & Kulasekara,G.U. (2021) Expanding the Frontiers of Learning through Disruptive Technology: A case study from the Open University of Sri Lanka. In N. Burcea, L. M. Beardsley-Hardy, & S. Nasir (Eds.) *Book of Abstracts, Unequal World Conference: The Right to Education Transforming the World Through Inclusive Quality Education*. January 24-25, 2021. (pp.72). <http://unequal.world/wp-content/uploads/2021/02/Book-of-Abstracts-Unequal-World-2021.pdf>

11. Tilakawardana, S (2021, June 1-3). Data Monopoly and Social Media Pedagogy: Curious Case of Data Capitalism and Platformed Fetishism in Life-Long Learning. 34th Annual Conference of the Asian Association of Open Universities (AAOU), Colombo, Sri Lanka. Conference Proceedings Vol II, 114-124.  
[https://aaou2020.ou.ac.lk/assets/AAOU2021%20Volume2\\_Final\\_Online\\_Published.pdf](https://aaou2020.ou.ac.lk/assets/AAOU2021%20Volume2_Final_Online_Published.pdf)



# **LIBRARY**

## LIBRARY

	Books/ Book Chapters	Journal Publications	Conference proceedings /abstracts/ extended abstracts
<b>Total</b>	<b>1</b>	<b>0</b>	<b>4</b>

### Books/Book Chapters

1. Gunasekera, H.P.S.D. (2021). The effectiveness of information organization and authority control: library professionals experience. In Barbara Jane Holland (Ed.) Handbook of Research on Knowledge and Organization Systems in Library and Information Science (pp. 270-287) Pennsylvania: GIG Global Publisher. DOI: 10.4018/978-1-7998-7258-0

### Journal Publications

None

### Conference proceedings/abstracts/extended abstracts

1. Nanayakkara T.S, K. P. and Kaushamalika P.K.M. (2021). PROFESSIONAL AND WORK BASE KNOLEDGE SHARING HABITS AMONG THE LIBRARY STAFF: A CASE STUDY OF THE OPEN UNIVERSITY OF SRI LANKA (OUSL). *Open University Research Session (OURS 2021)* (p. 97). Nawala- Nugegoda: OUSL.
2. Dilrukshi Kumari B.D.L. and Kaushamalika P.K.M. (2021). A STUDY ON THE AVAILABILITY AND USAGE OF REFERENCE SOURCES IN THE NAGODA NIDAHAS SWARNA JAYANTHI LIBRARY. *International Conference of University Librarians Association of Sri Lanka (ICULA)* (pp. 39-44). Colombo: University Librarians Association of Sri Lanka.
3. Fernando, S.R. and Weerakoon, W.R.W.M.A.U. (2021). Reading habits and factors affecting reading habits of Advanced Level grade students. Book of Abstracts *Open University Research Sessions 2021 (OURS 2021)*, 47. [RS%202021%20Conference%20Proceedings%20.pdf](#).

4. Gunasekera, H.P.S.D. & Suraweera, Namali (2021, 26th - 27th August).Critical success factors in online learning examining the role of learner support [Conference presentation abstract] *Proceedings of the GARI multidisciplinary symposium*, Colombo, Galle Face Hotel

**CENTRE FOR  
ENVIRONMENTAL  
STUDIES AND  
SUSTAINABLE  
DEVELOPMENT (CESSD)**

## CENTRE FOR ENVIRONMENTAL STUDIES AND SUSTAINABLE DEVELOPMENT (CESSD)

	Books/ Book Chapters	Journal Publications	Conference proceedings /abstracts/ extended abstracts
<b>Total</b>	<b>0</b>	<b>0</b>	<b>3</b>

### Books/Book Chapters

None

### Journal Publications

None

### Conference proceedings/abstracts/extended abstracts

1. Igalavithana, A.D, Mahagamage, M.G.Y.L., Gajanayake, P., Kojima, F., Yu Fukunaga & Abeynayaka, A (2021) Microplastic pollution in coastal water environments of Sri Lanka: X-press pearl Shipwreck and Kelani River Case study, "Plastic Litter in Sri Lankan Water Environments: A Source of Marine litter", *11<sup>th</sup> IconSWM-CE & IPLA Global Forum 2021 (ISWMAW)*, IGES Centre Collaborating with UNEP on Environmental Technologies (CCET-IGES), 3<sup>rd</sup> December 2021.
  
2. Peiris, B.A.D., Maddumage M.D.S.R., Manage, P.M., Jayawardhena, J.K.P.C., Weerasekara, K.A.W.S. & Mahagamage, M.G.Y.L. (2021) Species Diversity and Abundance of Phytoplankton and Zooplankton along the Hamilton Canal, Sri Lanka, *Eighth International Symposium on Water Quality and Health: challenges Ahead*. Postgraduate Institute of Science (PGIS), University of Peradeniya, 26<sup>th</sup>-27<sup>th</sup> November 2021, p.44.
  
3. Gamage, S. G. & Mahagamage, M. G. Y. L. (2021) Selection, usage, and disposal of personal care and cosmetic products in Sri Lanka; an environmental and health concern, *International Conference on Applied and Pure Sciences 2021*, Faculty of Science, University of Kelaniya, Sri Lanka, 29<sup>th</sup> of October 2021, p.126.

# **REGIONAL EDUCATION SERVICES**

## REGIONAL EDUCATION SERVICES

	Books/ Book Chapters	Journal Publications	Conference proceedings /abstracts/ extended abstracts
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>

### **Books/Book Chapters**

None

### **Journal Publications**

None

### **Conference proceedings/abstracts/extended abstracts**

None

# **ADMINISTRATIVE STAFF & OTHER**



## ADMINISTRATIVE STAFF & OTHER

Division	Books/ Book Chapters	Journal Publicati ons	Conference proceedings /abstracts/ extended abstracts
Finance Division	0	0	0
Students Affairs and Welfare Division	0	0	1
Legal & Docume ntation Division	0	0	1
Operations Division	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>2</b>

### FINANCE DIVISION

#### Books/Book Chapters

None

#### Journal Publications

None

#### Conference proceedings/abstracts/extended abstracts

None

## **STUDENTS AFFAIRS AND WELFARE DIVISION**

### **Books/Book Chapters**

None

### **Journal Publications**

None

### **Conference proceedings/abstracts/extended abstracts**

1. Matharaarachchi, N (2021). Impact of Non-Financial Rewards on Employee's Job Satisfaction (Administrative Officers in the selected Universities in Sri Lanka) - Awarded as a Best Presenter in Category A- Proceedings of the *5th CIPM International Research Symposium 2021* held from 02nd July 2021 at Colombo, Sri Lanka.

## **LEGAL AND DOCUMENTATION DIVISION**

### **Books/Book Chapters**

None

### **Journal Publications**

None

### **Conference proceedings/abstracts/extended abstracts**

1. Rajapakse, R.L.W. (2021). Personal Data Protection in the Context of Employment; A Discussion of Law in Sri Lanka in the Light of the GDPR. *14th International Research Conference of General Sir John Kotelawala Defence University, Sri Lanka (KDU-IRC 2021)*.

## **OPERATION DIVISION**

### **Books/Book Chapters**

None

### **Journal Publications**

None

### **Conference proceedings/abstracts/extended abstracts**

None

## SUMMARY

### RESEARCH PUBLICATIONS OF OUSL

#### – ACADEMIC STAFF IN 2021

<b>Faculty/ Institute/ Division</b>	<b>Books/ Book Chapters</b>	<b>Journal Publications</b>	<b>Conference Proceedings/ Abstracts/ Extended abstracts</b>
Education	7	28	33
Engineering Technology	10	18	43
Health Sciences	4	21	36
Humanities and Social Sciences	6	17	28
Faculty of Management	-	19	38
Natural Sciences	3	77	84
Postgraduate Institute of English	3	1	5
Centre for Educational Technology and Media (CET-me)	-	1	11
Library	1	-	4
Centre for Environmental Studies and Sustainable Development(CESSD)	-	-	3
Regional Educational Services (RES)	-	-	-
Administrative Staff	-	-	2
<b>Total</b>	<b>34</b>	<b>182</b>	<b>287</b>