

RESEARCH PUBLICATIONS OF OUSL STAFF- 2018



THE OPEN UNIVERSITY OF SRI LANKA

FACULTY OF HEALTH SCIENCES

FACULTY OF HEALTH SCIENCES

Department	Books/ Book Chapters	Journal Publications	Conference proceedings /abstracts/ extended abstracts
Department of Basic Sciences	-	-	09
Department of Medical Laboratory Science	-	05	04
Department of Nursing	-	03	19
Department of Pharmacy	-	04	06
Department of Psychology and Counselling	-	01	06
Total	-	13	44

DEPARTMENT OF BASIC SCIENCES

Books/Book Chapters

None

Journal Publications

None

Conference proceedings/abstracts/extended abstracts

1. Amirthalingam, S., Dassanayaka, M.P., Balasooriya, B.L.W.K., & Vivehananthan, K. (2018). Optimization of Growth Conditions for Biodegradation of Phenol by *Pseudomonas aeruginosa*. *Proceedings of the 17th Agricultural Research Symposium of Wayamba University of Sri Lanka*, 81-85.

2. Dassanayaka, M.P., Vivehananthan, K.,& Hettiarachchi, G.H.C.M. (2018). Isolation and Screening of Three Phenol Degrading *Pseudomonas* spp from different Waste Environments in Sri Lanka. *Open University International Research Sessions (iOURS2018)*, 99.
3. Dassanayaka, M.P., Vivehananthan, K.,& Hettiarachchi, G.H.C.M. (2018). Screening of Phenol Catabolic Genes in Bacteria Isolated from Sri Lankan Petroleum Contaminated Site. *Proceeding of 5th International Conference on Agriculture*, 29
4. Dassanayaka, M.P., Vivehananthan, K.,& Hettiarachchi, G.H.C.M. (2018). Molecular Confirmation of Phenol degradation by *Klebsiella pneumoniae*. *Proceeding of Wayamba University Research Congress*, 1-2.
5. Dassanayaka, M.P., Vivehananthan, K.,& Hettiarachchi, G.H.C.M., (2018). Isolation of two phenol biodegrading bacteria *Pseudomonas aeruginosa* and *Alcaligenes faecalis* from petroleum contaminated wastewater in Sri Lanka. *Proceeding of Wayamba University International Conference, Sri Lanka*, 106.
6. Madhuranga, W.S.P., Vivehananthan, K.,& Dassanayaka, M.P. (2018). Enhanced Biodegradation Efficiency of Phenol by *Klebsiella pneumoniae*, *Stapylococcus warneri*, *Klebsiella variicola* and *Ochrobactrum intermedium*. *Proceeding of 7th YSF Symposium*, 82-85.
7. Rajapaksha, R.W.P.M., Dennis, M.N.,&Vivehananthan, K. (2018). 16S rDNA Metagenomic analysis of bacterial diversity associated with seed potato imported into Sri Lanka for cultivation. *Australian Bioinformatics and Computational Society Conference*, ABACBS University of Melbourne, Australia.
8. Rajapaksha, R.W.P.M., Vivehananthan, K.,&Warshamana., I.K. (2018). Next Generation Sequencing for the Detection of Quarantine Important Microbial Pathogens in Imported Seed Potato. *Proceedings of South Asian Biotechnology Conference 2018 (SABC)*, 70.
9. Rajapaksha, R.W.P.M., Vivehananthan, K., Warshamana, I.K. (2018). Quarantine Pathogen *Ralstonia solanacearum* in Potato Seed Lots Imported to Sri Lanka. *Wayamba University Research Congress*.

DEPARTMENT OF MEDICAL LABORATORY SCIENCES

Books/Book Chapters

None

Journals

1. Manatunga, D., De Silva, R., De Silva, K., Malavige, G., Wijeratne, D., Williams, G., Jayasinghe, C., & Udagama, P. (2018). Effective delivery of hydrophobic drugs to breast and liver cancer cells using a hybrid inorganic nanocarrier: A detailed investigation using cytotoxicity assays, fluorescence imaging and flow cytometry. *European Journal of Pharmaceutics and Biopharmaceutics*, 128, 18-26.
2. Manatunga, D., De Silva, R., De Silva, K., Wijeratne, D., Malavige, G., & Williams, G. (2018). Fabrication of 6-gingerol, doxorubicin and alginate hydroxyapatite into a bio-compatible formulation: enhanced anti-proliferative effect on breast and liver cancer cells. *Chemistry Central Journal*, 12, 119.
3. Palanivelu, V., Maghami, S., Wallace, H., Wijeratne, D., Wood, F., & Fear, M. (2018). Loss of Type A neuronal cells in the dorsal root ganglion after a non-severe full-thickness burn injury in a rodent model. *Burns*, 44(7), 1792-1800.
4. Wijeratne, D., Fernando, S., Gomes, L., Jeewandara, C., Ginneliya, A., Samarasekara, S., Wijewickrama, A., Hardman, C., Ogg, G., & Malavige, G. (2018). Quantification of dengue virus specific T cell responses and correlation with viral load and clinical disease severity in acute dengue infection. *PLOS Neglected Tropical Diseases*, 12(10), p.e0006540.
5. Wijeratne, D., Rodger, J., Stevenson, A., Wallace, H., Prêle, C., Wood, F., & Fear, M. (2018). Ephrin-A2 affects wound healing and scarring in a murine model of excisional injury burns.

Conference proceedings/abstracts/extended abstracts

1. Ponniah, A. J., Logitharajah, S., Mell, M., Thuwarahan, N., Rajakulasooriya, R. S.R., & Fancis, V.R. (2018). Vancomycin minimum inhibitory concentration for methicillin resistant *Staphylococcus aureus* isolates in Teaching Hospital, Batticaloa. *Annual Scientific Sessions of the Sri Lankan Society for Microbiology*, Colombo.
2. Rajakulasooriya, R.S.R., Deeyagahage, H.K., Nisansala, G.G.T., Kudavidanage, B.P., & Gunasekara, T.D.C.P. (2018). Optimization of a multiplex PCR for the identification of *Acinetobacter* species isolated from clinical specimens: a preliminary study. *The 19th International Postgraduate Research Conference of University of Kelaniya*.
3. Rathnasinghe, R.M.G.V., Jayawardena, K.L.C.M., Gunawardena, M.N.S., Nadeera, B.M., Herath, H.M.S.P., & De Silva, B.S.S. (2018) Mothers' experiences on children with haemophilia. *Proceedings of International Nursing Congress of University of Peradeniya*, Sri Lanka.

4. Wijeratne, D., Fernando, S., Gomes, L., Jeewandara, C., Jayarathna, G., Perera, Y., Wickramanayake, S., Wijewickrama, A., Ogg, G., & Malavige, G. (2018). Association of dengue virus specific polyfunctional T cell responses with clinical disease severity in acute dengue infection. *Symposium on Emerging Viral Infections*.

DEPARTMENT OF NURSING

Books/Book Chapters

None

Journal Publications

1. Karan, B., Mayuran, J., Niththiyananthasivam, V., Prasath, F., Laavanya, M., Deivy, T., & Priyanthi, W.N. (2018). Factors affecting the B.Sc. Nursing education among nurses at Teaching Hospital, Jaffna. *International Journal of Research and Review*, 5(5), 10-14 DOI: inrein.com/10.4444/ijrr.1002/570.
2. Rathnayaka, C.M., Halyale, M.G., Taranga, N., Herath, H.M.S.P., & De Silva, B.S.S. (2018) Perceived Factors Related to delayed presentation of breast cancer among women with stage 3 and 4 in Sri Lanka. *OUSL Journal*.
3. Thuvaraka, S., Vijayanathan, S., Pakeerathy, M., Subathra, R., Laavanya, M., & Priyanthi, W.N. (2018). Challenges faced by nurses in implementation of nursing process in special units at Teaching Hospital, Jaffna. *International Journal of Science and Health Care Researches (IJSHR)*, 3(1), 61- 64 DOI: inrein.com/10.4444/ijshr.1003/87 Journals.

Conference proceedings/abstracts/extended abstracts

1. Devika, M.T.S., Thushani, W., Samarasekara, G.L.S., & Madhavi, A.V.P. (2018) Evidence based practice of nurses in Sri Lanka: nurses' perspectives. *International Scientific Sessions on Nursing Research of Joint Collaboration of Government Nursing Officers' Association and KIU*, 77.
2. Dissanayake, D.M.C.D., Herath, H.M.S.S., Kumari, D.M.E.M., Kumari, M.I.M.D., Kumari, L.Y.S.S., & De Silva, B.S.S. (2018). Experiences of the patients with fourth stage breast cancer in teaching hospital, Anuradhapura. *Proceedings of 1st Symposium of Faculty of Allied Health Sciences of University of Ruhuna*, 12.
3. Godigamuwa, G.R.H.K., Jayarathna, M.S., Wimalasena, W.G.I.P., Rathnayaka, R.M.S.L., Chamika, R.M.A., & De Silva, B.S.S. (2018). Exploration of mothers' experiences with very premature babies in Neonatal Intensive Care Unit.

Teaching Hospital Kandy. *Proceedings of 1st Symposium of Faculty of Allied Health Sciences of University of Ruhuna*, 62.

4. Kelaniyabandara, K.W.K.B.C.L., De Silva, W.K.P., Rathnayaka, R.T.D.K., Adikari, A.M.S.P., Nuwansala, H.U.C., & Priyanthi, W.N. (2018). Patient related factors affecting accuracy of fasting blood sugar value among people with type 2 diabetes mellitus. *1st Research Symposium of Faculty of Allied Health Sciences of University of Ruhuna*, 71.
5. Kumari, S., Kalansooriya, K.A.U.S.U., Rathnayaka, K.D.T.K., Wijenayake, R.H., Thillainathan, K., & De Silva, B.S.S. (2018). End of life experiences of patients with cancer: A phenomenological study. *International Critical Care Nursing Conference of Colombo, Sri Lanka*.
6. Madhavi, A.V.P., Gamage, T.V., & Kuruppu, N.R.(2018).The examination of mothers' knowledge on antenatal exercises for safe labour practices in antenatal clinic, General Hospital, Galle. *Proceedings of the International Nursing Congress of University of Peradeniya of Sri Lanka*, 32.
7. Malika, W.A.S., Gallage, G.P.M., Gamage, G.G.S.P.G., Perera, D.S., Piyarathna, J.G., & Sriyani, K.A.(2018). Knowledge, practices and barriers regarding infection control among hospital cleaners in the National Hospital of Sri Lanka, Colombo. *Proceedings of the International Nursing Congress of University of Peradeniya of Sri Lanka*, 127-128.
8. Manawadu, S.P., Shalika, N.A.N., Thalpahewa,N.T., De Silva, S.M.L.W., Saumika, M.A.R., & De Silva, B.S.S. (2018). Knowledge, attitudes and practices regarding warfarin therapy, among the patients at Sri Jayawardenapura General Hospital. *Proceedings of 1st Symposium of Faculty of Allied Health Sciences of University of Ruhuna*, 47.
9. Nimalsiri, W.H.A., Dissanayake, G.E.M.N.K., Dharmarathne, N.D.C.V.K., Kuruppu, N. R., & Madhavi, A.V.P. (2018). Usage of facebook as a communication channel: adolescents' perspective. *Proceedings of 1st Symposium of Faculty of Allied Health Sciences of University of Ruhuna*, 63.
10. Nishshanka, N.A.S., Gayathri, E.A.C., Kumari, S.A.M.P., Lakmali, R.P.G.S.S., Senadheera, A.S.P.L., & Sriyani, K.A. (2018). Nurses' perspective on leadership qualities of nurse managers. *11th International Conference of General Sir John Kotelawala Defence University of Sri Lanka*, 31.
11. Peiris, T.N.C., Abeysekara, H.M.C., Muthuhetti, H.R., Senadheera, A.S.P.L.,&Sriyani, K.A. (2018). Mothers' experiences of having a preterm baby

in the special care baby unit, Teaching Hospital, Anuradhapura. *Proceedings of the International Nursing Congress of University of Peradeniya of Sri Lanka*, 61-62.

12. Premarathne, P.N.W.S.L.K., Samarakoon, S.M.W.N.K., Gallangoda, G.S.S., Senadheera, A.S.P.L., & De Silva, B.S.S. (2018). Mothers' experiences on normal vaginal delivery: A phenomenological study at Teaching Hospital, Peradeniya. *Proceedings of International Nursing Congress of University of Peradeniya of Sri Lanka*.
13. Rathnasinghe, R.M.G.V., Jayawardena, K.L.C.M., Gunawardena, M.N.S., Nadeera, B.M., Herath, H.M.S.P., & De Silva, B.S.S. (2018). Mothers' experiences on children with haemophilia. *Proceedings of International Nursing Congress of University of Peradeniya of Sri Lanka*
14. Samaranatha, M.S., Gangani, J.M.N., Kumari, S.A.D.C., Damayanthi, M.W.C.S. & Sriyani, K.A. (2018). Overview of teenage pregnancies in two urban hospitals. *South Asia Conference on Multidisciplinary Research of Colombo, Sri Lanka*, 13.
15. Sandamali, W.M.T. & De Silva, B.S.S. (2018). The effectiveness of Duloxetine compared with Pregabalin in painful diabetic peripheral neuropathy: A systematic review. *Proceedings of International Nursing Congress of University of Peradeniya of Sri Lanka*.
16. Senarath, H.L.C.D., Nilmini, S.K.R.D., Gammuduwatta, A.V., Kalpani, K.N., Ranaweera, R.A.N.D., & De Silva, B.S.S. (2018). Exploration of the experiences of family caregivers towards end of life care of the patients with cancer. *Proceedings of 1st Symposium of Faculty of Allied Health Sciences of University of Ruhuna*, 46.
17. Shyamalee, H.M., Pushpakanthi, U.D.K., Neranji, M.W.N., Vithanarachchi, M.T., Hewabattage, P.N., & De Silva, B.S.S. (2018) Work related factors for low back pain among intensive care Nurses. *Proceedings of 1st Symposium of Faculty of Allied Health Sciences of University of Ruhuna*, 57
18. Silva, Weerasekara, I.C., Gunarathna, T.A., Gunarathna, N.A., Wijerathna, W.M.D.I., Pathirana, D.H., & Samarasekara P.W.G.D.P. (2018). Psychosocial and physiological adjustment needs of postmenopausal married women in one MOH area in Kalutara. *Open Univeristy Internatoonal Reserach Sessions(iours2018)*, OUSL, Sri Lanka
19. Thenabsdu, S. P., Bulathwatta, A. M., Dissanayake, R. M. S. K., Rathnayake, S. S., & De Silva, B. S. S. (2018). Factors related to blood donation among

undergraduates of Faculty of Health Sciences. *The Open University of Sri Lanka*.
1st Biannual Academic sessions, Graduate Nurse Foundation of Sri Lanka.

DEPARTMENT OF PHARMACY

Books/Book Chapters

None

Journals

1. Amarasiri, H. A. D. B., & Dorabawila, S. S. K. B. M. (2018). Does Electronic Medical Records Make Cost Benefits to Non-Profit Seeking Health Care Institutes? *International Journal of Scientific & Research Publications (IJSRP)*, 8(5): 159–166. doi:10.29322/ijsrp.8.5.2018, 7726.
2. De Silva, T., & Fernandopulle, B. M. R. (2018). Fostering reflective capacity in undergraduate pharmacy education in Sri Lanka. *Pharmaceutical Journal of Sri Lanka*, 8(1).
3. Shanika, L.G.T., Wijekoon, C.N., Jayamanne, S., Coombes, J., Perera, D., Pathiraja, V.M., Mamunuwa, N., Mohamed, F., Coombes, I., Lynch, C., De Silva, H.A., & Dawson, A.H. (2018). Opportunities for medication review and reconciliation by a clinical pharmacist to prevent drug-related hospital readmissions: evidence from a case series in Sri Lanka. *Pharmaceutical Journal of Sri Lanka*, 8(1). <http://doi.org/10.4038/pjsl.v8i1.38>.
4. Wickramasinghe, A.S.D., Kalpitha, A.A.N., Perera, P.P.R., & Chandrika, U.G. (2018). A preliminary study on Estimated Glycaemic Index and microstructure of starch, in boiled *Cucurbita moschata* (squash) found in Sri Lanka. *International Journal of Advanced Research*, 6 (5), 506-512. doi:10.21474/IJAR01/7058.

Conference proceedings/abstracts/extended abstracts

1. De Silva, D.T.N., Fernandopulle, B.M.R, Yasarathna, K.W.G.K.P., Wijesinghe, K.G.C.D., Gunasekara, A.D.M., Beneragama, B.V.S.H., Panapitiya, L., & Weerarathne, E.D.(2018). Antithrombotic Medicines in State Sector of Sri Lanka from 2006 to 2017: Utilization, Expenditure and Gaps in Access. *Sri Lanka Medical Association – 131st Anniversary International Medical Congress*.
2. Fernandopulle, B.M.R., Wijesinghe, K.G.C.D., Yasarathna, K.W.G.K.P., De Silva, D.T.N., Beneragama, B.V.S.H., Panapitiya, L., Sri Ranganathan, S.,

&Weerarathne, E.D. (2018). Trends in Utilization of Antibiotics Over a 25 Year Period in The State Sector (1993 – 2017) in Comparison with Documented Antimicrobial Resistance Patterns to *Escherichia Coli* in Sri Lanka. *Sri Lanka Medical Association-131st Anniversary International Medical Congress*.

3. Gunasekara, A.D.M., Fernandopulle, B.M.R., De Silva, D.T.N., Panapitiya, L., Beneragama, B.V.S.H.,& Weerarathne, E.D (2018). Impact of the priority medicines for Non-Communicable Diseases circular on the availability of medicines in the Medical Supplies Division, Sri Lanka. *International Conference on Health Sciences of University of Sri Jayewardenepura*.
4. Mamunuwa, A.M.V.G.N., Jayamanne, S.F., Coombes, J., De Silva, A., Lynch, C.B., & Wickramasinghe, N.D.D. (2018). Pharmacist counselling; a new practice for improving outpatient management of diabetes in Sri Lanka. *Sri Lanka Medical Association – 131st Anniversary International Medical Congress*.
5. Pirunthaapan, P., Vasanthan, A.D., Roshini, M., Dilsha, R.A.N., & Wimalasooriya, M.G.C.R. (2018). Prevalence of polypharmacy in adult patients attending medical clinics at Teaching hospital, Batticaloa. *Open University International Research Sessions (iOURS) 2018*, 62.
6. Warusavithana, S.P., Kumudumala, R.H.J., Balasuriya, A., Nelumdeniya, N.R.M., & De Silva, D.T.N. (2018). Assessment of knowledge, attitudes and practices among patients on consumption of medicines at RajyaOsusala, Colombo 07. *Pharmaceutical Society of Sri Lanka - Annual Scientific Sessions*.

DEPARTMENT OF PSYCHOLOGY AND COUNSELING

Books/Book Chapters

None

Journals

1. Gan, Y., Gong, Y., Chen, Y., Cao, S., Li, L., Zhou, Y., Herath, C., Li, W., Song, X., Li, J., Yang, T., Yin, X., & Lu, Z. (2018). Turnover Intention and related factors among general practitioners in Hubei, China: a cross-sectional study. *BMC Family Practice* [https:// www. ncbi. nlm.nih.gov/ pubmed/ 2979 344 3](https://www.ncbi.nlm.nih.gov/pubmed/29793443).

Conference proceedings/abstracts/extended abstracts

1. De Silva, B. G. R., De Zoysa, P.,& Williams, S. S., (2018). The Development of a Culturally Sensitive Psychological Intervention for Sinhalese Undergraduate

University Students with Social Anxiety Disorder. *Annual Research Symposium of University of Colombo.*

2. Gunasekara, A.S.,&Gamage, G.P.(2018). Premenstrual Dysphoric Disorder (PMDD) and the academic, emotional and interpersonal impact on students at University of Colombo.*Open University International Research Sessions (iOURS)2018,OUSL,Sri Lanka*
3. Gunasekara, M. K. U. M.,&Gamage, G.P. (2018). Association Between Pain Coping Strategies and Depression, Anxiety, Stress Among Adults With Chronic Mechanical Low Back Pain (CMLBP) In Gampaha District.*Open University International Research Sessions (iOURS),2018,OUSL,Sri Lanka*
4. Hearth, H.M.C.J. (2018). Development of Disability and Rehabilitation Services in South Asia.*International Summit on Disability and Development: Achieving Disability Inclusive UN SDGs of China.*
5. Herath, C. (2018). A Comparative study of Interprofessional Education in Global Health Professional Education: A Systematic Review.*International Conference on Health Sciences of University of Sri Jayewardenepura.*
6. Randeniya, D &Gamage, G.P. (2018). A Review Study on Attitudes of Sri Lankan Undergraduates towards Gender Based Violence. *National Symposium on Gender in Higher Education (NSGHE)*

