

## Publications 2022

1. Abeykoon, A.M.K.L., Tan, C. Y. and Jayasundera, B. (2022). Significant role of the initial precursor sulfur concentration in the photoelectrochemical hydrogen production of Cu<sub>2</sub>ZnSnS<sub>4</sub> photocathode prepared by thermal evaporation. *J. Nanophoton.*
2. Abeykoon, A.M.K.L., De Silva, R.C.L., Nayanajith, L. D. C. and Kottegoda, I.R.M. (2022). A review on appropriate graphene synthesis methods for diverse applications. *Sri Lankan Journal of Physics* 23(2):125-141.
3. Agampodi, V. A. and Collet, C. (2022). Anti-Inflammatory effects and keratinocyte regenerative potential of *Cassia alata* (Linn) leaf extracts and their implications for wound healing. *Journal of Applied Biological Sciences* 16(03):503–526.
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5. Amunugoda, P.N.R.J. (2022). International agreements and entry points to adaptation and adoption of modern forest technologies, ecological restoration, climate change, ecotourism and agro forest enterprise based advanced materials of Sri Lanka and Regional Countries. *Front Adv Mat Res*:32-43.
6. Arawwawala, L.D.A.M., Chamikara, N.H.A. and Perera, P.K. (2022). Sarpagandhachurna and its plant ingredients: Physico-chemical, phytochemical and antioxidant profiles. *International Journal of Ayurveda* 7(4):1-12.
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9. Deepika, K., Karunagoda, K., Perera, P.K., Arawwawala, L.D.A.M. (2022). Quality assessment of a decoction of *Sesamum indicum* L and *Nigella sativa* L: Polysystic ovary syndrome. *Asian Journal of Pharmacognosy* 6(1): 32 -41.

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11. Dissanayake, D.A.T.W.K., Malavipathirana, S., Ranasinghe, P., Mubarak, M.N.A. and Navarathne, A. N. (2022). Direct determination of Glyphosate and major metabolite; aminomethylphosphonic acid, AMPA in water by Liquid chromatography and tandem mass spectrometry at modified reverse phase columns: Single Laboratory Method Validation. *Journal of Chromatography A*.
12. Dissanayake, T.W.K., Malavipathirana, S., Ranasinghe, P., Mubarak, M.N.A. and Navarathne, A.N. (2022). Challenges in direct determination of Glyphosate and aminomethylphosphonic acid in water by liquid chromatography-tandem mass spectrometry at modified reverse phase columns: Effect of matrix interferences in fresh and hard water systems. *Journal of Separation Science*45(19):3691-3699.
13. Divisekera, D.M.W.D., Samarasekera, J.K.R.R., Hettiarachchi, C., Gooneratne, J. and Gopalakrishnan, S. (2022). Development of probiotic beverages using Finger millet [*Eleusine coracana* (L.) Gaertn.] and Banana [*Musa* spp.] as prebiotic substrates. *Asian plant research journal*:123-131.
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16. Jayasinghe, M.D., Madage, S.S.K., Jayawardana, T.M.D.A., Halmillawewa, A.P., Hewajulige, I.G.N. and Divisekera, D.M.W.D. (2022). The Study of Identifying Potential Microbial Contaminations Associated with Production of King Coconut Water (*Cocos nucifera* var. *aurantiaca*). *Journal of Food Quality*.
17. Jayasinghe, M.D., Madage, S.S.K., Hewajulige, I.G.N., Jayawardana, T.M.D.N., Halmillawewa, A.P. and Divisekera, D.M.W.D. (2022). Identification of Potentially Hazardous Microorganisms and Assessment of Physico-chemical Deterioration of Thermally Processed King Coconut (*Cocos nucifera* var. *aurantiaca*) Water Processed under Different Processing Conditions in Sri Lanka. *Journal of Food Quality*.
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antacid effect of effervescent granules containing extracts of *Evolvulusalsinoides*. *The Pharmaceutical Journal of Sri Lanka*12 (1): 9-19.

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21. Kodikara, B.K., Undugodaa, L.J.S., Karunaratne, H.S. and Vital, R. (2022). Antibacterial and Antiviral Properties of *Coriandrum Sativum* and *Zingiber Officinale* against Human Respiratory Tract Related Bacterial and Viral Infections: A Review with a Focus on the Case of SARS-CoV. *Advances in Technology*, 2(3):361-381.
22. Kodikara, S.K.A.S., Lewandowski, P.M., De Silva, C.S., Gunarathna, S.D., Madarasinghe, S. K., Ranasinghe, P., Jayatissa, L. P. and Dahdouh-Guebas, F. (2022). Heavy metal pollution in selected upland tributaries of Sri Lanka: comprehension towards the localization of sources of pollution. *Journal of Water and Health* 20(3):505-517.
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33. Pushpakumara, A.G.S.K., Madage, S.S.K., Gunasekara, N., Samaranayake, M.D.W. and Herath, H.M.T. (2022). Designing of Ready to Eat Convenient Mid - Day Meal for Children (5- 10 yrs) and Adolescents (11-19 yrs) of Sri Lanka Based on Nutritional Perspective. *European Journal of Nutrition & Food Safety*14(7):1-12.
34. Rajapakse, R.M.G. (2022). Low-cost ternary composite of graphite, kaolinite and cement as a potential working electrode for general electrochemical applications. *Chemical Papers*76:6653–6658.
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38. Samaranayake, M.D.W., Abeysekera, W.K.S.M., Hewajulige, I.G.N., Somasiri, H.P.P.S., Mahanama, K.R.R., Senanayake, D.M.J.B. and Premakumara, G.A.S. (2022). Fatty acid profiles of selected traditional and new improved rice varieties of Sri Lanka. *Journal of Food Composition and Analysis*:112.
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44. Thennakoon, T.M.E.S., Abeysinghe, P. D., Ranasinghe, P., Pathirana, R.N., Alex White, Dilantha, W.G., Fernando, W.G., Abeysinghe, S. and Premakumara, S. (2022). Total phenolic content, total flavonoid content and *in vitro* antioxidant activities measured by the FRAP, ABTS, DPPH and ORAC assays of Sri Lankan black and green tea (*Camellia sinensis*) infusions. *Food Biology* 11:1-10.
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48. Wijayawardene, N.N., Rajakaruna, Dong-Qin Dai., Jayasekara, S., Warnakula, L., Ariyawansa, K.G.S.U., Fernando, E.Y., Jayasekera, P., Karunarathna, S.C., Singhalage, D., Ukuwela, K., Jayalal, R.G.U., Jayasinghe, R.P.P.K., Muthumala, C.K., Madawala, S., Hewajulige, I.G.N., Rajawardana, D.U., Ediriweera, A., Ediriweera, S., Alawathugoda, D., Rajawatta, K.M.W., Xing-Chen Jin., Chandana, E.P.S., Nanayakkara, C. and Wijesundara, S. (2022). Necessity of a National Fungarium and a Culture Collection for Fungi in Sri Lanka. *Chiang, Mai J. Sci.* 49(2):248-271.