

Recent Publications

- Pattnaik, M., Pandey, P., Martin, G. J., Mishra, H. N. & Ashokkumar, M. (2021). Innovative Technologies for Extraction and Microencapsulation of Bioactives from Plant-Based Food Waste and Their Applications in Functional Food Development. *Foods*, 10(2), pp. 30-. doi:10.3390/foods10020279
- Di, H., Martin, G. J. & Dunstan, D. E. (2021). Characterization of particle deposition during crossflow filtration as influenced by permeate flux and crossflow velocity using a microfluidic filtration system. *Frontiers of Chemical Science and Engineering*, 15(3), pp. 552-561. doi:10.1007/s11705-020-1962-5
- Wang, Q., Chen, G. Q., Lin, L., Li, X. & Kentish, S. E. (2021). Purification of organic acids using electrodialysis with bipolar membranes (EDBM) combined with monovalent anion selective membranes. *Separation & Purification Technology*, 279 pp. 9-. doi:10.1016/j.seppur.2021.11973
- Lee, J., Kentish, S. & Chen, G. (2021). The Use of Ultrasound in the Recovery of Food Materials: Sonocrystallization and Membrane Processing. In Muthukumarappan, K. & Knoerzer, K. (Eds.) *Reference Module in Food Science* Elsevier. doi:10.1016/B978-0-08-100596-5.22992-2
- Liu, B., Gurr, P. A. & Qiao, G. G. (2020). Irreversible Spoilage Sensors for Protein-Based Food. *ACS Sensors*, 5(9), pp. 2903-2908. doi:10.1021/acssensors.0c01211
- Wijesinghe, D., Suter, H., Scales, P. & Chen, D. (2020). Lignite addition during anaerobic digestion of ammonium rich swine manure enhances biogas production. *Journal of Environmental Chemical Engineering*, doi:10.1016/j.jece.2020.104669
- Wijesinghe, D. T., Dassanayake, K. B., Sommer, S. G., Scales, P. & Chen, D. (2019). Biogas Improvement by Adding Australian Zeolite During the Anaerobic Digestion of C:N Ratio Adjusted Swine Manure. *Waste and Biomass Valorization*, 10(7), pp. 1883-1887. doi:10.1007/s12649-018-0210-4
- Chen, G. Q., Wei, K., Hassanvand, A., Freeman, B. D. & Kentish, S. E. (2020) Single and binary ion sorption equilibria of monovalent and divalent ions in commercial ion exchange membranes, *Water Research*, 175, 115681. doi.org/10.1016/j.watres.2020.115681.
- Abdellah, M., Scholes, C., Liu, L. & Kentish, S. (2020). Efficient degumming of crude canola oil using ultrafiltration membranes and bio derived solvents. *Innovative Food Science & Emerging Technologies*, 59 pp. 9-. doi:10.1016/j.ifset.2019.102274
- Wong, M. C., Hendrikse, S. I., Sherrell, P. C. & Ellis, A. V. (2020). Grapevine waste in sustainable hybrid particleboard production. *Waste Management*, 118 pp. 501-509. doi:10.1016/j.wasman.2020.09.007
- Ma, Z., Hassan, M. M., Allais, L., He, T., Leterme, S., Ellis, A., ... Qin, J. G. (2019). Comparison of partial replacement of fishmeal with soybean meal and EnzoMeal on growth performance of Asian seabass *Lates calcarifer*. *Comparative Biochemistry and Physiology Part C: Toxicology & Pharmacology*, 216 pp. 29-37. doi:10.1016/j.cbpc.2018.10.006
- Hassanvand, A., Chen, G. Q., Webley, P. A. & Kentish, S.E. (2019) An investigation of the impact of fouling agents in capacitive and membrane capacitive deionisation. *Desalination*, 457, 96-102.