

# 2021 Refereed Science Publications

Journal articles and conference proceedings papers from Scion – January to December 2021

Addison, S. L., Smail, S. J., Garrett, L. G., & Wakelin, S. A. (2021). Fertiliser use has multi-decadal effects on microbial diversity and functionality of forest soils. *Applied Soil Ecology*, 163. doi:10.1016/j.apsoil.2021.103964

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Ammitzboll, H., Jordan, G. J., Baker, S. C., Freeman, J., & Bissett, A. (2021). Diversity and abundance of soil microbial communities decline, and community compositions change with severity of post-logging fire. *Molecular Ecology*, 30(10), 2434-2448. doi:10.1111/mec.15900

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Barbier, M., Le Guen, M. J., McDonald-Wharry, J., Bridson, J. H., & Pickering, K. L. (2021). Quantifying the Shape Memory Performance of a Three-Dimensional-Printed Biobased Polyester/Cellulose Composite Material. *3D Printing and Additive Manufacturing*, 8(3), 193-200. doi:10.1089/3dp.2020.0166

Bartlett, M. J., Arslan, F. N., Bankston, A., & Sarabipour, S. (2021). Ten simple rules to improve academic work- life balance. *PLoS Computational Biology*, 17(7). doi:10.1371/journal.pcbi.1009124

Bayne, K., & Renwick, A. (2021). Beyond sustainable intensification: Transitioning primary sectors through reconfiguring land-use. *Sustainability (Switzerland)*, 13(6). doi:10.3390/su13063225

Bayne, K., Wreford, A., Edwards, P., & Renwick, A. (2021). Towards a bioeconomic vision for New Zealand – Unlocking barriers to enable new pathways and trajectories. *New Biotechnology*, 60, 138-145. doi:10.1016/j.nbt.2020.09.004

Bedoya, C. L., Hofstetter, R. W., Nelson, X. J., Hayes, M., Miller, D. R., & Brockerhoff, E. G. (2021). Sound production in bark and ambrosia beetles. *Bioacoustics*, 30(1), 58-73. doi:10.1080/09524622.2019.1686424

Bridson, J. H., Gaugler, E. C., Smith, D. A., Northcott, G. L., & Gaw, S. (2021). Leaching and extraction of additives from plastic pollution to inform environmental risk: A multidisciplinary review of analytical approaches. *Journal of Hazardous Materials*, 414. doi:10.1016/j.jhazmat.2021.125571

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