

**Grenfell Campus, Memorial University**

**School of Science and the Environment**

**Publications 2020**

**Journal Articles**

Abedin, J., & Unc, A. (2020). Addition of biochar to acidic boreal podzolic soils enhances micronutrient availability and crop productivity. *Open Agriculture*, 5(1), 188-201. <https://doi.org/10.1515/opag-2020-0021>

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Altdorff, D., Sadatcharam, K., Unc, A., Krishnapillai, M., & Galagedara, L. (2020). Comparison of multi-frequency and multi-coil electromagnetic induction (emi) for mapping properties in shallow podsolic soils. *Sensors*, 20(8), Article 2330.

<https://doi.org/10.3390/s20082330>

Ashiq, W., Nadeem, M., Ali, W., Zaeem, M., Wu, J., Galagedara, L., Thomas, R., Kavanagh, V., Cheema, M. (2020 October). Biochar amendment mitigates greenhouse gases emission and global warming potential in dairy manure based silage corn in boreal climate. *Environmental Pollution*, 265, Article 114869.

<https://doi.org/10.1016/j.envpol.2020.114869>

Baig, K. S. (2020). Interaction of enzymes with lignocellulosic materials: causes, mechanism and influencing factors. *Bioresources and Bioprocessing*, 7. Article 21. <https://doi.org/10.1186/s40643-020-00310-0>

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## Books

Fraser, E. E., Silvis, A., Brigham, R.M., and Czenze, Z. (2020). *Bat echolocation research: A handbook for planning and conducting acoustic studies* (2<sup>nd</sup> ed.). Bat Conservation International.

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## Book Review

Sabau, G. (2020) Review of *The Political Economy of Sustainability*, by Fred P. Gale. *Sustainability*, vol. 12, no.4. <https://doi.org/10.3390/su12041537>.

## Magazine Articles

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