

List of publications

Peer-reviewed articles

Seemann, F., **Sannel, A.B.K.**, 2024. Morphology and dynamics of thermokarst ponds in a subarctic permafrost peatland, northern Sweden. *Earth Surface Processes and Landforms* 49 (15), 5377–5389, doi:10.1002/esp.6021.

Christiansen, H.H., Sjöberg, Y., Blume-Werry, G., Dorrepaal, E., Etzelmüller, B., Farnsworth, W.R., Hjort, J., Ingeman-Nielsen, T., Malenfant-Lepage, J., Petterson, R., **Sannel, A.B.K.**, Siewert, M., Tomaskovicova, S., Välranta, M., 2024. A roadmap for developing permafrost higher education in Norden. *Nordic Journal of STEM Education* 8 (2), doi:10.5324/njsteme.v8i2.5127.

Hichens-Bergström, M., **Sannel, A.B.K.**, 2023: Permafrost development in northern Fennoscandian peatlands since the mid-Holocene. *Arctic, Antarctic, and Alpine Research* 55 (1), 2250035, doi:10.1080/15230430.2023.2250035.

Sim, T.G., Swindles, G.T., Morris, P.J., Baird, A.J., Gallego-Sala, A.V., Wang, Y., Blaauw, M., Camill, P., Garneau, M., Hardiman, M., Loisel, J., Välranta, M., Anderson, L., Apolinarska, K., Augustijns, F., Aunina, L., Beaulne, J., Bobek, P., Borken, W., Broothaerts, N., Cui, Q.-Y., Davies, M.A., Ejarque, A., Farrell, M., Feeser, I., Feurdean, A., Fewster, R.E., Finkelstein, S.A., Gaillard, M.-J., Galka, M., Heffernan, L., Hoevers, R., Jones, M., Juselius-Rajamäki, T., Karofeld, E., Knorr, K.-H., Korhola, A., Kupriyanov, D., Kylander, M.E., Lacourse, T., Lamentowicz, M., Lavoie, M., Lemdahl, G., Łuców, D., Magnan, G., Maksims, A., Mansilla, C.A., Marcisz, K., Marinova, E., Mathijssen, P.J.H., Mauquoy, D., Mazei, Y.A., Mazei, N., McCarroll, J., McCulloch, R.D., Milner, A.M., Miras, Y., Mitchell, F.J.G., Novenko, E., Pelletier, N., Peros, M.C., Piilo, S.R., Pilote, L.-M., Primeau, G., Rius, D., Robin, V., Robitaille, M., Roland, T.P., Ryberg, E., **Sannel, A.B.K.**, Schitteck, K., Servera-Vives, G., Shotyk, W., Słowinski, M., Stivrins, N., Swinnen, W., Thompson, G., Tiunov, A., Tsyganov, A.N., Tuittila, E.-S., Verstraeten, G., Wallenius, T., Webb, J., Willard, D., Yu, Z., Zacccone, C., Zhang, H., 2023: Regional variability in peatland burning at mid-to high-latitudes during the Holocene. *Quaternary Science Reviews* 305, 108020, doi:10.1016/j.quascirev.2023.108020.

Piilo, S.R., Välranta, M.M., Amesbury, M.J., Aquino-López, M.A., Charman, D.J., Gallego-Sala, A., Garneau, M., Koroleva, N., Kärppä, M., Laine, A.M., **Sannel, A.B.K.**, Tuittila, E.-S., Zhang, H., 2023: Consistent centennial-scale change in European sub-Arctic peatland vegetation toward *Sphagnum* dominance—Implications for carbon sink capacity. *Global Change Biology* 29, 1530–1544, doi:10.1111/gcb.16554.

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Väliranta, M., Marushchak, M.E., Tuovinen, J.-P., Lohila, A., Biasi, C., Voigt, C., Zhang, H., Piilo, S., Virtanen, T., Räsänen, A., Kaverin, D., Pastukhov, A., **Sannel, A.B.K.**, Tuittila, E.-S., Korhola, A., Martikainen, P.J., 2021: Warming radiative forcing impact from of a sub-arctic peatland as a result of late Holocene permafrost aggradation and initiation of bare peat surfaces. *Quaternary Science Reviews* 264, 107022, doi:10.1016/j.quascirev.2021.107022.

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Book chapters

Olefeldt, D., Heffernan, L., Jones, M.C., **Sannel, A.B.K.**, Treat, C.C. and Turetsky, M.R., 2021: Permafrost thaw in northern peatlands: Rapid changes in ecosystem and landscape functions, pp. 27-67. In: Canadell, J.G. and Jackson, R.B. (Eds.) 2021: *Ecosystem collapse and climate change*. 364 pp. Springer.