Publications Leifeld *November 2026*

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Peer-reviewed journal articles

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1. Leifeld, J., Rathnayake, D., 2026. Biochar-treated cropland fields show variable soil organic carbon response but low nitrogen demand for carbon sequestration. Frontiers in Soil Science, accepted.
2. Kovacs, N., Colinet, G., Longdoz, B., Leifeld, J., Lettens, S., Raman, M., Vancampenhout, K., Verstraeten, G., Meersmans, J., 2026. Effects of natural rewetting on soil respiration and temperature sensitivity (Q10) under contrasting water table regimes: A case study in a Belgian floodplain. Agricultural and Forest Meteorology 388: 111321.
3. Wüst-Galley, C., Leifeld, J., 2026. Paddy rice cultivation on drained peatlands as a greenhouse gas mitigation option — A systematic nano-review of global data. Agriculture, Ecosystems & Environment 411: 110596.
4. Seidel, F., Álvaro-Fuentes, J., Bolinder, M.A., Di Bene, C., Diacono, M., Diaz-Pines, E., Götzinger, S., Kätterer, T., Keel, S.G., Keiblinger, K.M., Leifeld, J., Lesschen, J.P., Panagea, I., Rasse, D., Rosinger, C., Ruysschaert, G., Schneider, F., Seitz, D., Spiegel, H., Suhadolc, M., Vanino, S., Don, A., 2026. Feasible carbon sequestration potential in European agricultural mineral soils through improved management. European Journal of Soil Science 77(3): e70357.
5. Jarosch, K.A., Bütikofer, N., Heller, O., Hirte, J., Bragazza, L., Bucheli, T.D., Hagemann, N., Hilber, I., Holzkämper, A., Ghiasi, S., Keel, S.G., Keller, T., Koestel, J., Leifeld, J., Liebisch, F., Mayer, J., Anjum, M.M., Metzger, K., Romero, F., Romero-Ruiz, A., Schwilch, G., Simmler, M., van der Heijden, M., Walder, F., Zimmermann, M., Merbold, L., 2026. Opportunities and challenges for sustainable agricultural soil management in Switzerland. European Journal of Soil Science 77: e70355.
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7. Robinson, D.A., Fendrich, A., Thomas, A., Reinsch, S., Leifeld, J., Moore, T., Seward, J., Borrelli, P., Ballabio, C., Panagos, P., 2026. Soil porosity prediction across Europe with a focus on soil particle density determination. International Soil and Water Conservation Research,100614
8. Walz, I.L., Dittmann, M., Leifeld, J., 2026. Recovery and composition of biochar after feeding to cattle. Biochar 8, article 13.
9. Minich, L.I., Geissbühler, D., Tobler, S., Udke, A., Brunmayr, A.S., Moreno Duborgel, M., McMackin, C., Wacker, L., Gautschi, P., Haghipour, N., Egli, M., Kahmen, A., Leifeld, J., Eglinton, T.I., Hagedorn, F., 2026. Conceptualising carbon cycling pathways across different land-use types based on rates and ages of soil-respired CO_2. Biogeosciences 23: 811-829.
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