

Liste de publications de EIB

Articles dans des revues avec comité de lecture

A paraître

Beaugendre, A., Mingot, D., & Visser, M. (2026). When intervarietal competition undermines yield and evolution of wheat variety mixtures: effects of trait contrasts and sowing density. *Agronomy for sustainable development*.

Bergenhuisen, L., Leemans, V., De Clerck, C., Delaplace, P., Bin, J., Waibel, M., Symanczik, S., Zhang, J., Akyol, C., Arganguren Rivas, M., Pinto, M., Foereid, B., Vanderschuren, H., Thonar, C., & Michel, J. (2026). Bio-based fertilizers can reach agronomic performance of synthetic fertilizer in broccoli production under two climate scenarios. *Environmental research*.

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Thanapongtharm, W., Wiratsudakul, A., Gilbert, M., Chamsai, T., Pabutta, C., Wiriyaat, W., Oh, Y., Jayme, S., Songsaeng, N., Maneekan, K., Yano, T., & Suwanpakdee, S. (2025). Spatial prediction of wild boar distribution in Thailand applications for African swine fever prevention and control. *Scientific reports*, 15(1), 9987. doi:10.1038/s41598-025-94922-1

Meunier, L., Keller-Costa, T., Cannella, D., Gonçalves, J. M. J., Dechamps, E., Marques, M., Costa, R., & George, I. (2025). An artificial selection procedure enriches for known and suspected chitin degraders from the prokaryotic rare biosphere of multiple marine biotopes. *BMC Microbiology*, 25(1), 778. doi:10.1186/s12866-025-04218-7

Falcone, E., Tomey, R., Turley, E., Cannella, D., Robinson, D., & Ciano, L. (2025). De Novo Designed #Hairpin Peptides Mimicking the Copper-Binding Histidine Brace Motif of Lytic Polysaccharide Monooxygenases. *Angewandte Chemie*. doi:10.1002/anie.202513990

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Salini, A., Gonnelli, P. M., Padoan, C., Helali, Y., Waeytens, J., Fusco, S., & Cannella, D. (2025). Repurposing Commercial Hydrolytic and Oxidative Enzymes toward Synergistic PLA Depolymerization. *ACS Sustainable Chemistry and Engineering*, 13(48), 20705-20716. doi:10.1021/acssuschemeng.5c06901

Michel, J., Leemans, V., Weinmann, M., Balanzategui-Guijarro, I., Bin, J., Biver, S., Blum, A., Börger, R., Cao, D., Him, S.-L., Kirbas, G., Le Gouis, J., Moya-Laraño, J., Persyn, M., Pierreux, J., Quenon, A., Sanchez-Moreno, S., Vanden Brande, F., Van Der Straeten, D., Wagner, M., Waibel, M., Xaypharath, A., Vanderschuren, H., Thonar, C., & Delaplace, P. (2025). Trade-offs between agronomic yields and sustainability in winter wheat cropping

systems under climate change mediated by soil organic matter content. *PLOS climate*, 4(11), e0000616. doi:10.1371/journal.pclm.0000616

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