

Publications 2025

1	Chano, V., Ferrari, R. C., Dominguez-Flores, T., Shrestha, K., Fussi, B., Seidel, H., Gailing, O. & K.B. Budde. 2025. Transcriptional time-course analysis during ash dieback infection revealed different responses in tolerant and susceptible <i>Fraxinus excelsior</i> genotypes. BMC Plant Biology 25:107. https://doi.org/10.1186/s12870-025-06074-z
2	Moura, C.C.M., Guerrero-Ramírez, N., Krashevskaya, V., Polle, A., Encinas-Viso, F., Ballauff, J., Siregar, I.Z., Siregar, U.J., Bell, K., Nevill, P. & O. Gailing. 2025. Land-use changes impact root-fungal network connectivity in a global biodiversity hotspot. Journal of Ecology 113:1136–1149. https://doi.org/10.1111/1365-2745.70020
3	Moosavi, S.J., Müller, M. & O. Gailing. 2025. Development of new chloroplast microsatellites for <i>Pinus gerardiana</i> and their application in genetic diversity analyses. Ecology and Evolution 15:e71185. https://doi.org/10.1002/ece3.71185
4	Grigoriadou-Zormpa, O., Wilhelmi, S., Vucetic, B., Ciocîrlan, M.-I.-C., Mueller, M., Ciocîrlan, E., Curtu, A.L., Targem, M., Wildhagen, H., Gailing, O. & K.B. Budde. 2025. Differences in fine-scale spatial genetic structure of European beech populations along elevational gradients. Heredity 134:451-460. https://doi.org/10.1038/s41437-025-00776-8
5	Ndjepel Yetnason, I. T., Gailing, O., Müller, M., Tchatchoua D.T., & J.E. Carlson. 2025. Evidence of two genetic varieties of <i>Vachellia nilotica</i> (L.) P.J.H. in the Sudano-Sahelian zone of Cameroon. Genetic Resources and Crop Plant Evolution 72:10213-10229. https://doi.org/10.1007/s10722-025-02508-7
6	Torche, Y., Müller, M. & O. Gailing. 2025. Genetic diversity, population genetic structure and gene flow in the North African endemic and vulnerable <i>Quercus afares</i> revealed by microsatellites. Silvae Genetica 74: 102-113. https://doi.org/10.2478/sg-2025-0010
7	Stein, F. & O. Gailing. 2025. Identification of BOLD engine deficiencies and suggestions for improvement based on a curated <i>Tachina</i> (Diptera) record set. PLOS ONE 20(8): e0331216. https://doi.org/10.1371/journal.pone.0331216
8	Busenius, M., Brandenburg, D.M., Riley, B., Müller, M. & O. Gailing. 2025. First evidence for bidirectional gene flow between the co-occurring red oak species <i>Quercus imbricaria</i> Michx. and <i>Quercus coccinea</i> Münchh. Silvae Genetica 74:114-121. https://doi.org/10.2478/sg-2025-0011
9	Tost, M., Grigoriadou-Zormpa, O., Wilhelmi, S., Müller, M., Wildhagen, H., Curtu, A.L. & O. Gailing. Assessing the adaptive potential of European beech populations to temperature and precipitation along a steep environmental gradient in the South-Eastern Carpathians. Plant Biology. https://doi.org/10.1111/plb.70129
10	Mittenbühler, K., Gailing, O. & M. Müller. 2025. Genetic variation of silver fir (<i>Abies alba</i> Mill.) in the Palatinate Forest. Silvae Genetica 74:133-143. https://doi.org/10.2478/sg-2025-0013
11	de Sousa Silva, A. K., Fritsche, Y., Beise, D.C., Brand, I.L.D., Danner, M.A., Citadin, I., Wagner Júnior, A., Müller, M., Gailing, O. & V. M. Stefenon. 2025. Molecular differentiation between <i>Plinia cauliflora</i> (Mart.) Kausel and <i>Plinia trunciflora</i> (O. Berg) Kausel using nuclear SSR markers. Annals of the Brazilian Academy of Sciences 98: e20250519. DOI 10.1590/0001-3765202620250519