Wu C, Kong X, He X, Lin Y, He Z, Gao Y, Kong Q (2023).
Effects of arbuscular mycorrhizal fungi on microbial activity and nutrient release are sensitive to acid deposition during litter decomposition in a subtropical forest
iForest – Biogeosciences and Forestry – doi: 10.3832/ifor4324-016

Supplementary Material

Fig. S1 - Effects of acid deposition and AMF suppression on AMF hyphal colonization on *C. camphora* leaf litter. Values are mean ± standard error (SE, n = 5), and means followed by the same letter do not differ significantly at $P < 0.05$ level by Tukey's HSD.

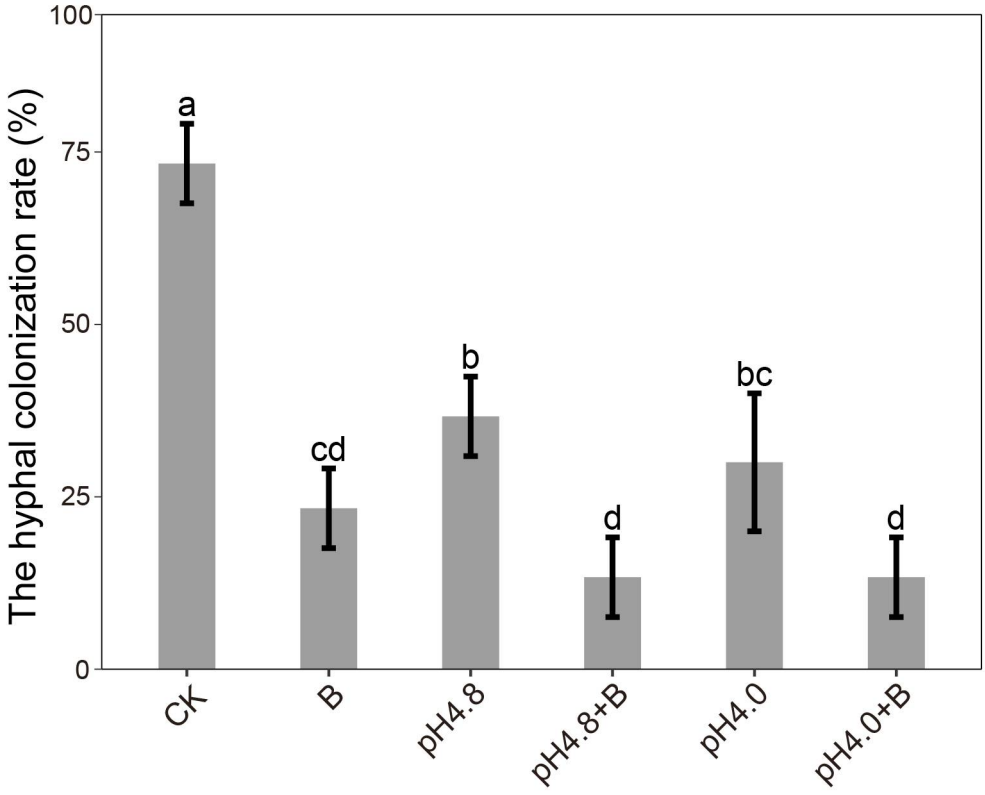
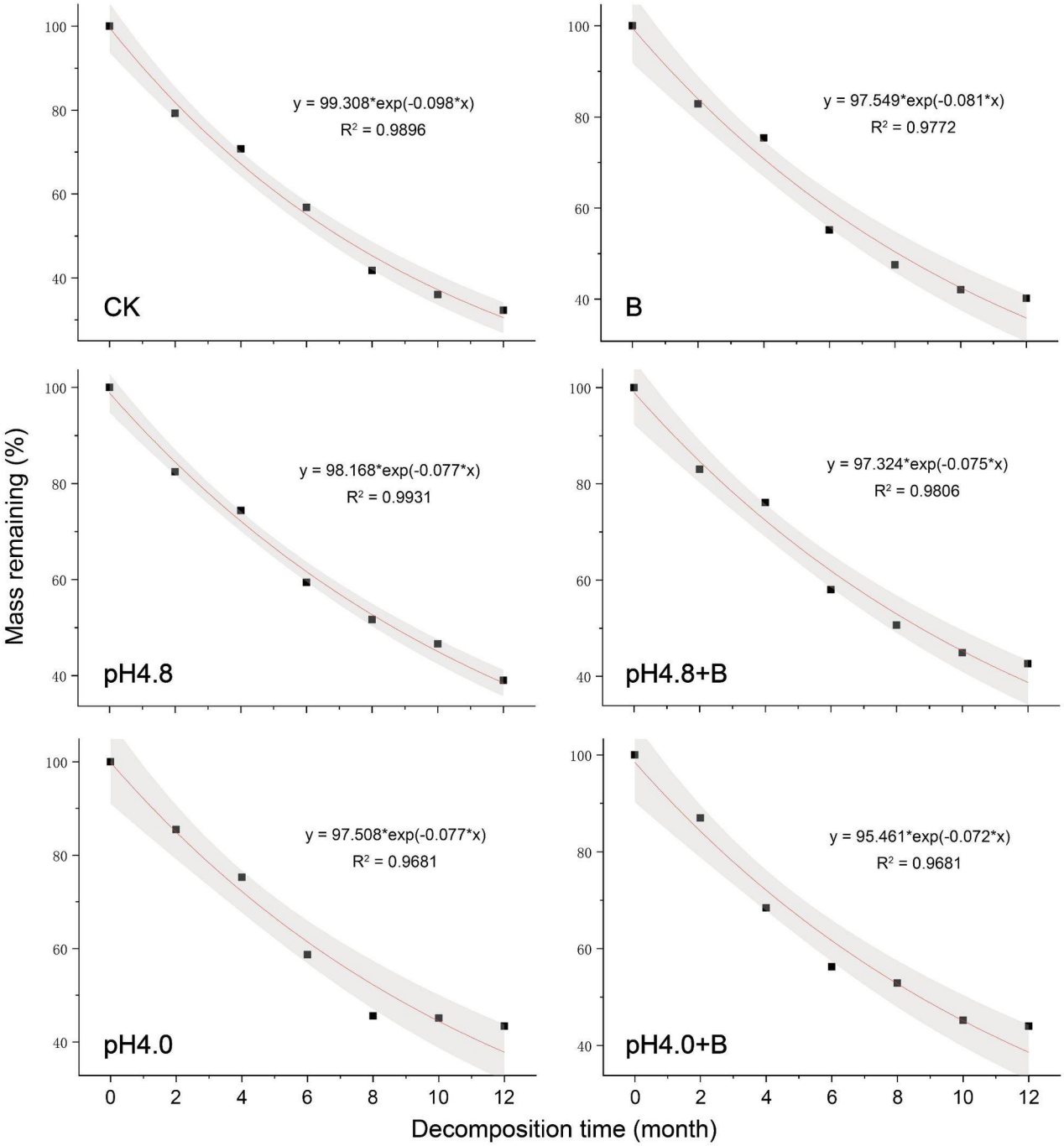


Fig. S2 - The fitting curve of exponential decay model for *C. camphora* leaf litter decomposition. Values are mean (n = 5) and 95% confidence intervals. CK is the control, +B is benomyl addition treatment.



Wu C, Kong X, He X, Lin Y, He Z, Gao Y, Kong Q (2023).
Effects of arbuscular mycorrhizal fungi on microbial activity and nutrient release are sensitive to acid deposition during litter decomposition in a subtropical forest
iForest – Biogeosciences and Forestry – doi: 10.3832/ifor4324-016

Fig. S3 - The effects of acid deposition and AMF on extracellular enzyme activity ($mg \cdot g^{-1} \cdot d^{-1}$) during one-year decomposition of *C. camphora* leaf litter. Values are mean and standard error (± SE, n = 5) and B indicates benomyl addition; means followed by the same letter do not differ significantly at $P < 0.05$ level by Tukey's HSD within each sample month.

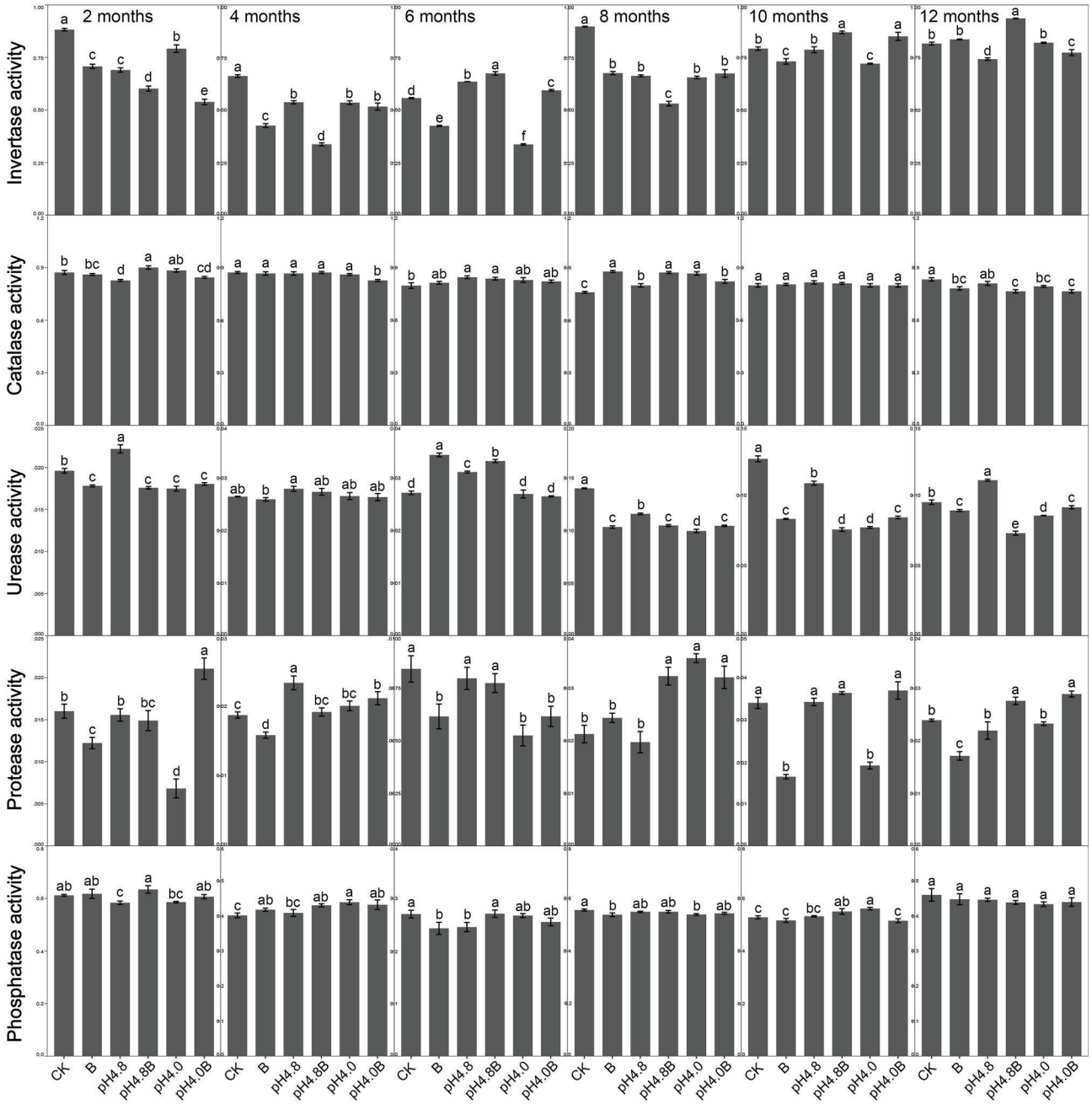


Fig. S4 - The monthly fluctuation of detritusphere soil nutrient content under acid deposition and AMF suppression during one-year decomposition of *C. camphora* leaf litter. The center line of the boxplot represents the median, box limits represent the upper and lower quartiles, and whiskers represent 1.5 times interquartile range (n = 30). Values followed by the same letter do not differ significantly at $P < 0.05$ level by Tukey's HSD between sample months.

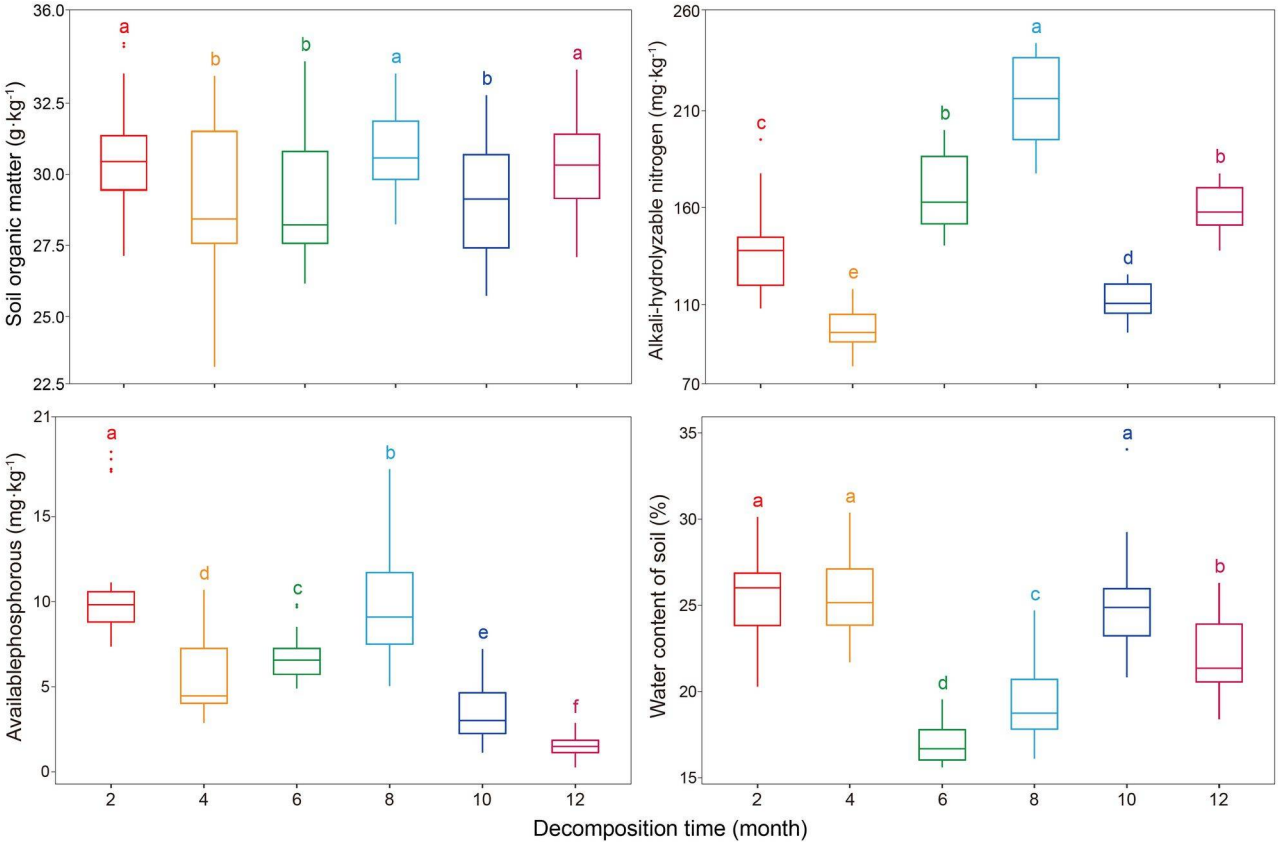


Fig. S5 - The dynamics of detritusphere soil nutrient contents under acid deposition and AMF suppression during one-year decomposition of *C. camphora* leaf litter. Values are mean and standard error (± SE, n = 5) and B indicates benomyl addition; means followed by the same letter do not differ significantly at $P < 0.05$ level by Tukey's HSD within each sample month.