

Figure 1. EPR spectra of humic acids from Oa and A horizons of the soil under mountain mixed coniferous forest (MF-F)

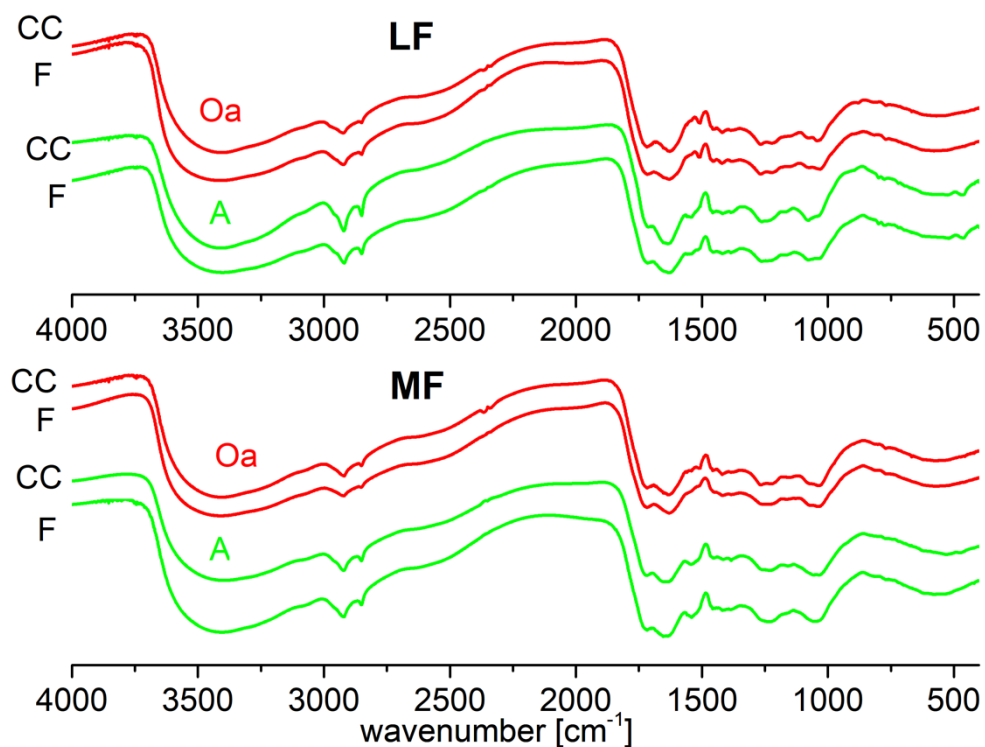


Figure 2 FTIR spectra of humic acids from Oa and A horizons of the investigated soils under mixed coniferous forest in the lowland (LF) and mountain (MF); CC – forest after clear-cutting; F – forest without harvesting practice

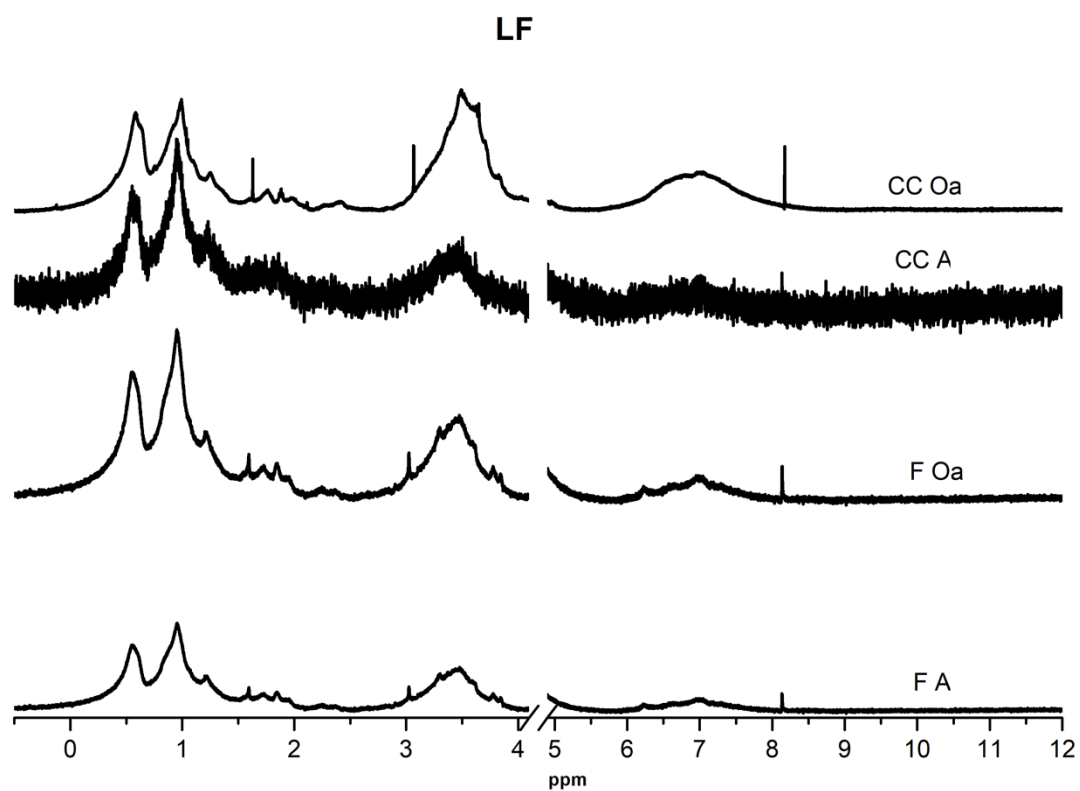


Figure 3  $^1\text{H}$  NMR spectra of humic acids from Oa and A horizons of the investigated soils under mixed coniferous forest in the lowland (LF); CC – forest after clear-cutting; F – forest without harvesting practice

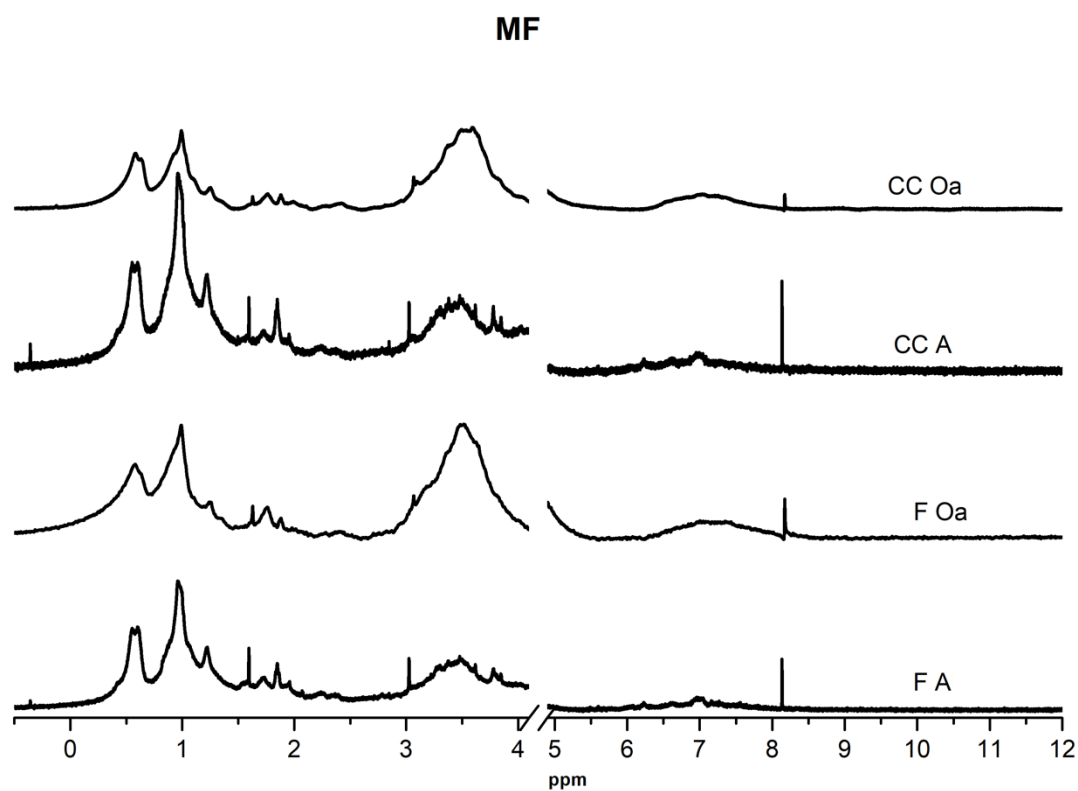


Figure 4  $^1\text{H}$  NMR spectra of humic acids from Oa and A horizons of the investigated soils under mountain mixed coniferous forest (MF); CC – forest after clear-cutting; F – forest without harvesting practice