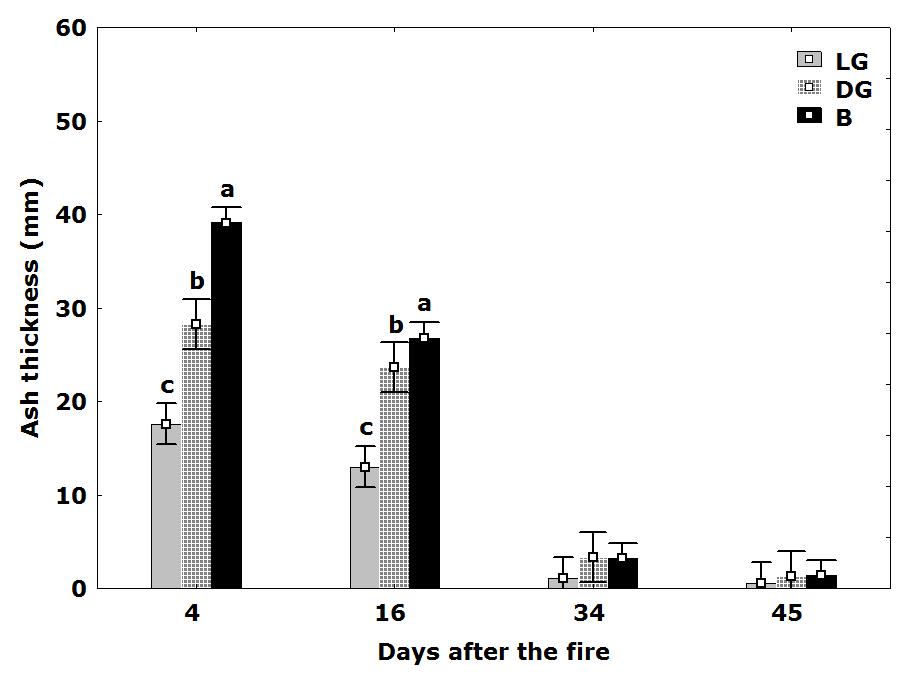
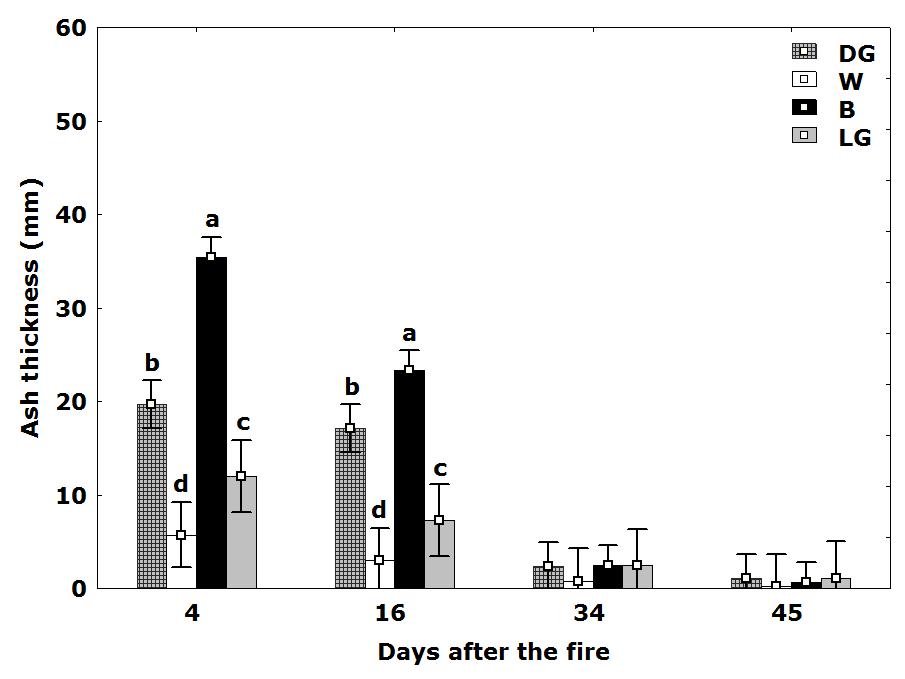
**Fig. 1.** Daily precipitation throughout the study period. Arrows point to days when measurements were collected and the numbers above the arrows indicate the measurement period.

****

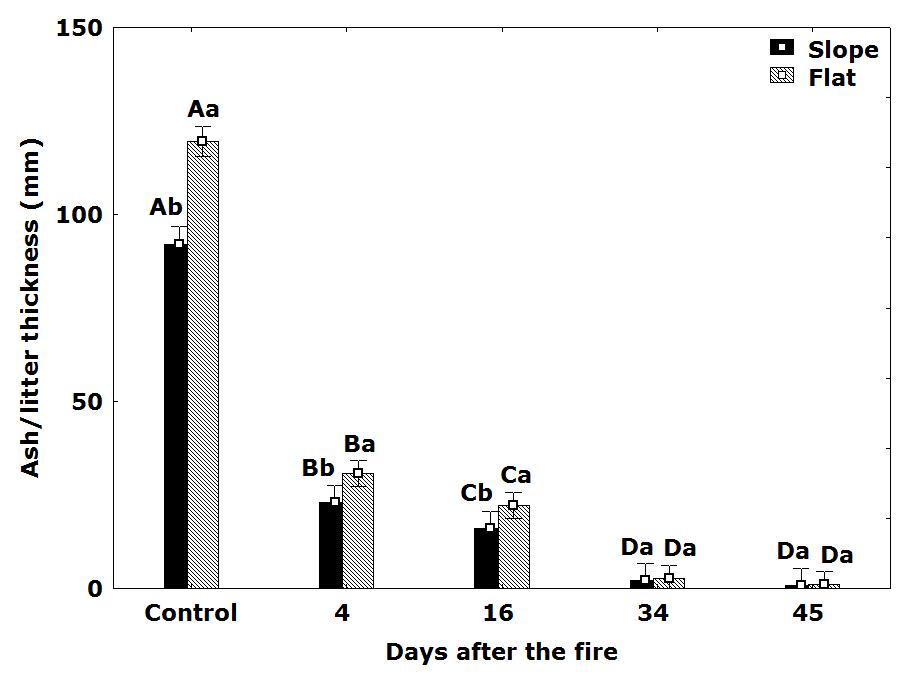
**Fig. 2.** Mean ash thickness in the flat area 4, 16, 34 and 45 days after the fire. Error bars indicate 95% confidence interval. Different letters indicate significant differences (*p*<0.05) between ash colors on each date (small letters). Dark Grey (DG), Black (B) and Light Grey (LG).

**Fig. 3.** Litter and ash thickness across all flat area transects in the different measurement periods (burned) and control area. The correlations only consider burned area. (Control *n*=80, Burned plot *n*=101).

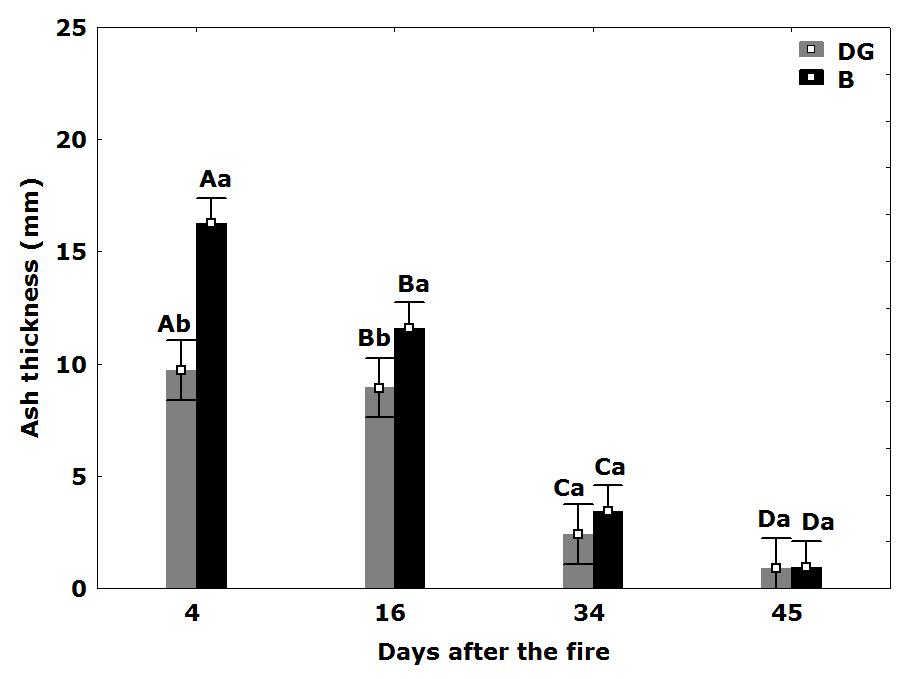


**Fig. 4.** Mean ash thickness in the slope area 4, 16, 34 and 45 days after the fire. Error bars indicate 95% confidence interval. Different letters indicate significant differences (*p*<0.05) between ash colors on each measurement period (small letters). Dark Grey (DG), White (W), Black (B) and Light Grey (LG).

**Fig. 5.**  Litter andash thickness across the slope transects in the different measurement periods (burned) and control area. The correlations only consider burned area. (Control *n*=53, Burned plot *n*=60).



**Fig. 6.** Mean litter and ash thickness between flat and slope area 4, 16, 34 and 45 days after the fire. Error bars indicate 95% confidence interval. Different letters indicate significant differences (p<0.05) between measurement periods (capital letters) and between ash colors on each measurement period (small letters).

****

**Fig. 7.** Mean ash thickness in grid plot 4, 16, 34 and 45 days after the fire. Error bars indicate 95% periods (capital letters) and between ash colors on each date (small letters).



**A**

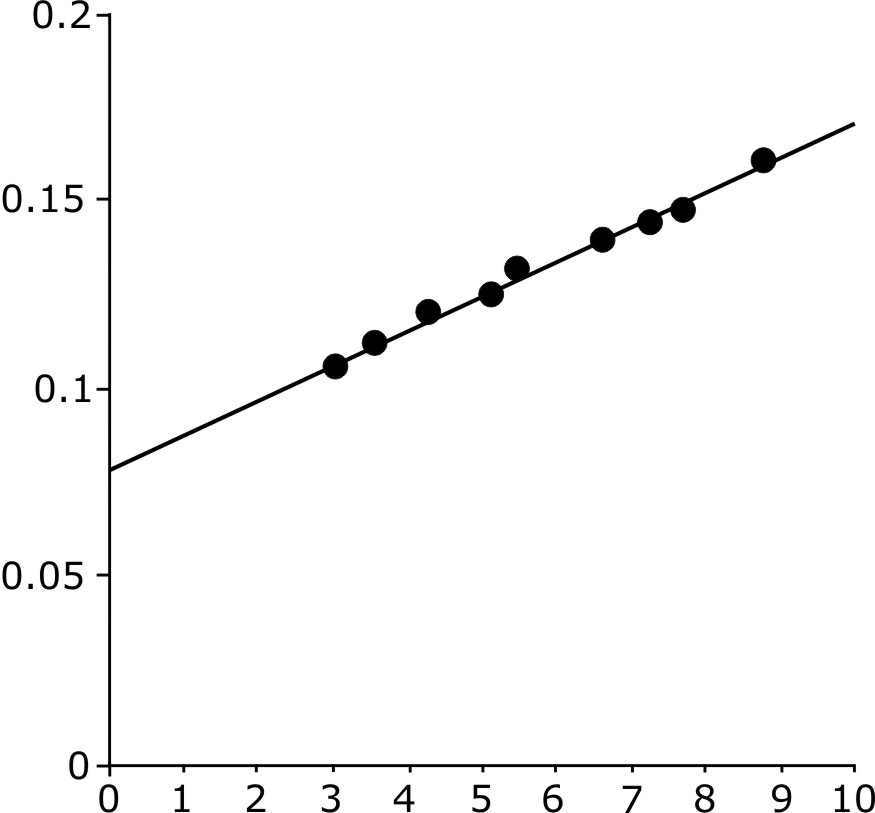
**B**



**C**

**D**

**Fig. 8.** From left to right and up down. View of the study site 4, 16, 34 and 45 days after the fire.

**B**

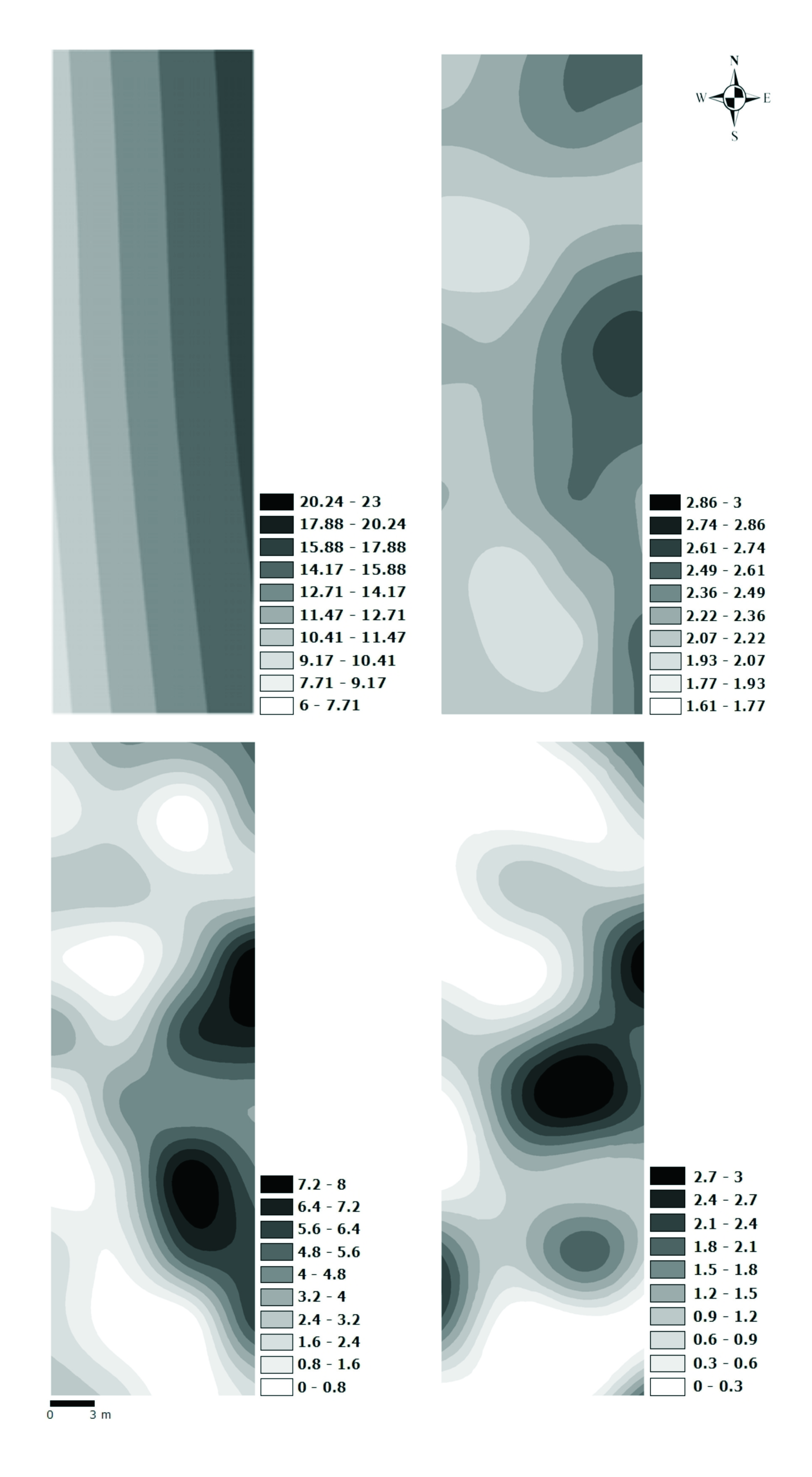
**A**

**D**

**C**

**Fig. 9.** Omni-directional variograms calculated for ash thickness distributions at A, 4; B, 16; with Ln data, C, 34; and C, 45 days after the fire.



**D**

**C**

**B**

**A**

**Fig. 10.** Ash thickness interpolations according to the most accurate technique. From left to right. A) 4 (LP1), B) 16 (SK) with Ln data, C) 34 (IMTQ) and D) 45 days after the fire (CRS), data in mm, ln data for 16 day after the fire.



**Fig. 11.** Effects of ant mount build on ash (indicated with arrows (re)distribution 16 days after the fire in the studied plot.