

Forest: Acquisitive resource strategy

Large leaf area

9 sites of forest-grassland mosaics in southern Brazil where wood individuals were surveyed

Leaf area (LA), specific leaf area (SLA), leaf dry matter content (LDMC) were collected for each species per habitat (forest and grassland)

- 1. FD and PD: Mean pairwise distance To FD, we decoupled the overlap of information between functional and phylogenetic information
 - 2. ANOVAs combined with Tukey's post hoc comparisons
 - 3. T-tests

Forest Grassland Forest Grassland Grassland What

- Forests: higher LA and SLA values and lower LDMC than grasslands

→ Although the communities have a similar

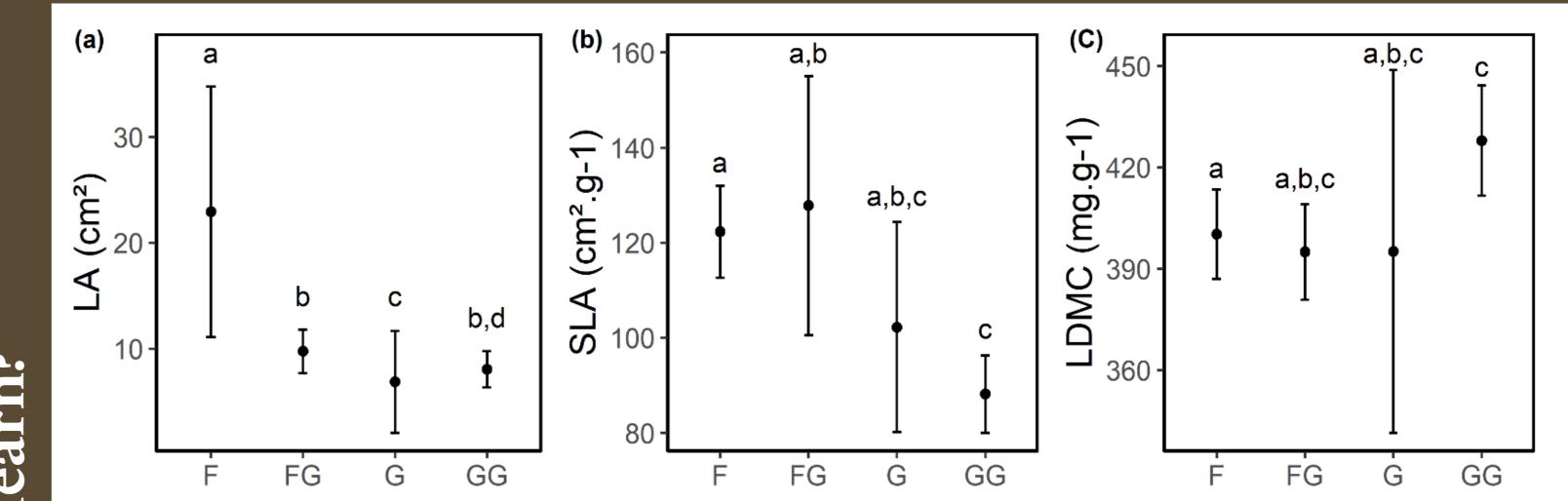
evolutionary history, forest communities allow a

greater range of trait variation, contrasting with

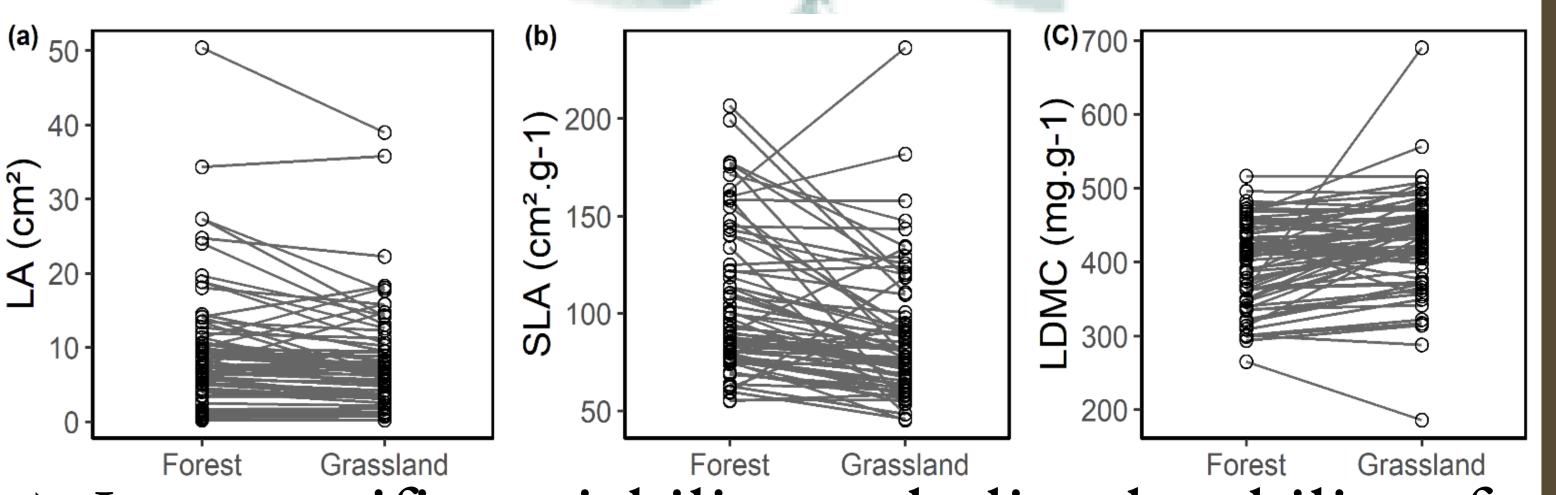
grasslands

1. compare functional (FD) phylogenetic diversity (PD), and functional composition (CWM) among forests and grasslands;

- 2. evaluate if forest, grassland, and generalist species (those species occurring in both forest and grassland) have distinct leaf traits;
 - 3. evaluate shifts in the leaf traits of generalist species



Different letters indicate significant differences among habitat preferences (p < 0.05)



Intraspecific variability underlies the ability of species to persist in these contrasting habitats

