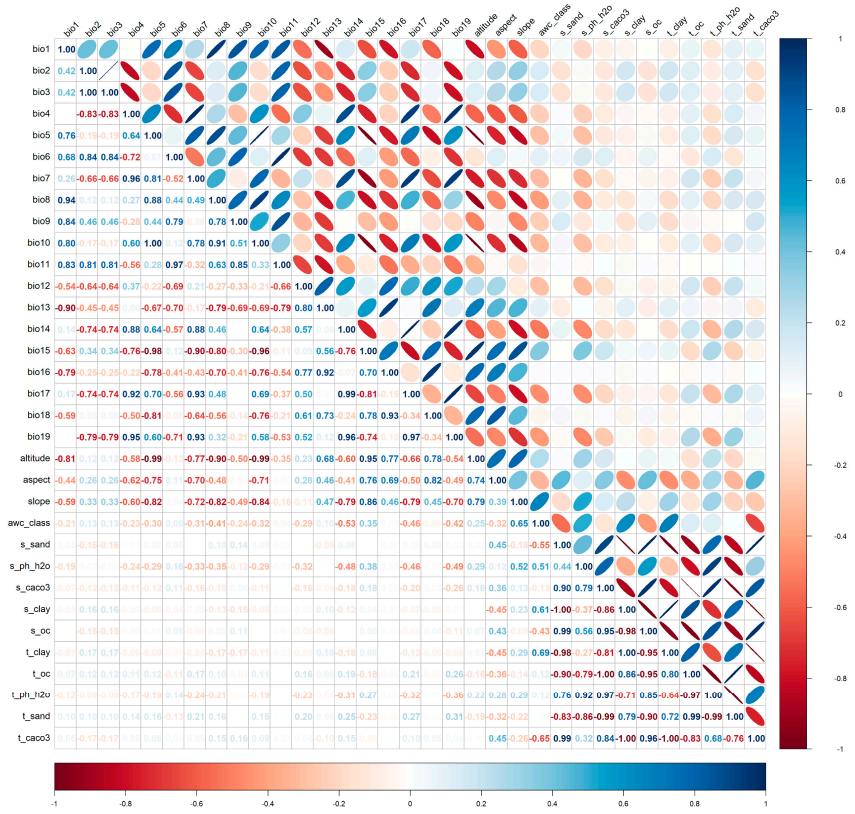


**Figure S1.** Pearson correlation coefficients among the 33 environmental predictors used in MaxEnt analysis.

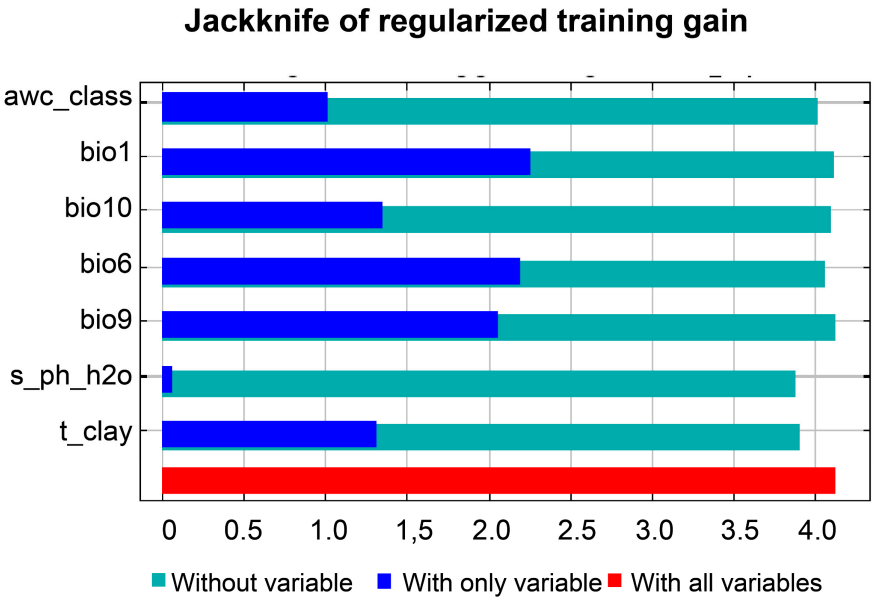



**Figure S2.** Jackknife analysis of regularized training gain for *Lagerstroemia suprareticulata* showing variable contributions to the MaxEnt model.

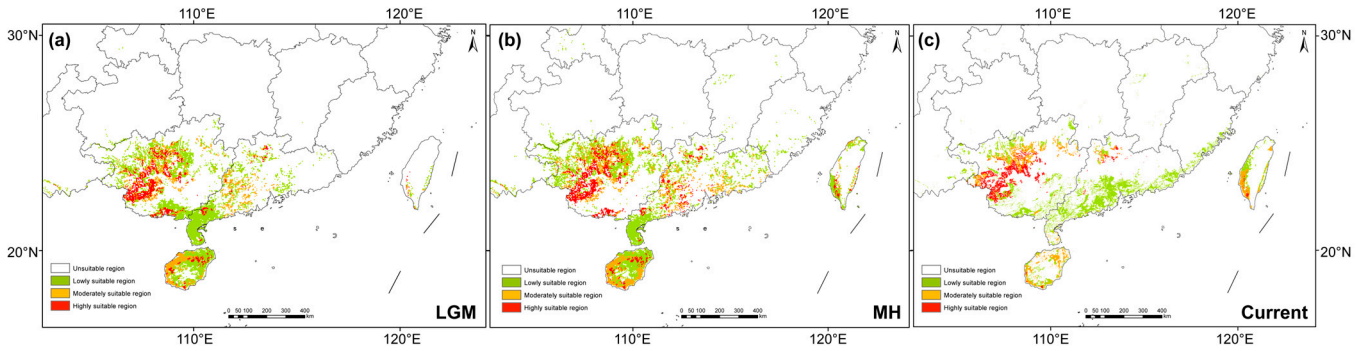



**Figure S3.** Projected suitable habitats for *Lagerstroemia suprareticulata* during the Last Glacial Maximum (LGM), Mid-Holocene (MH), and Current period, as predicted by MaxEnt modeling.

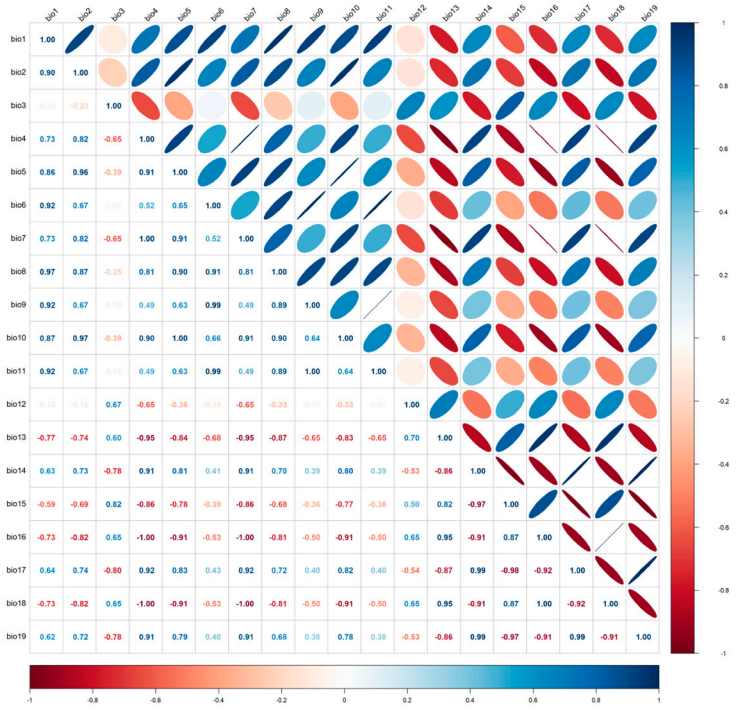



**Figure S4.** Pearson correlation matrix of 19 bioclimatic variables.

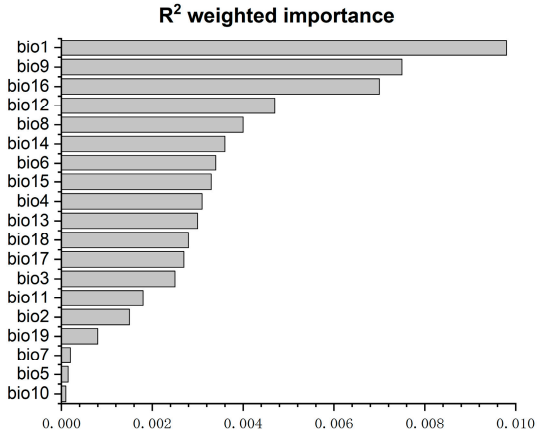



**Figure S5.** Variable importance from gradient forest (GF) analyses, quantified as the R2-weighted contribution, reflecting the explanatory power of each variable in the model.