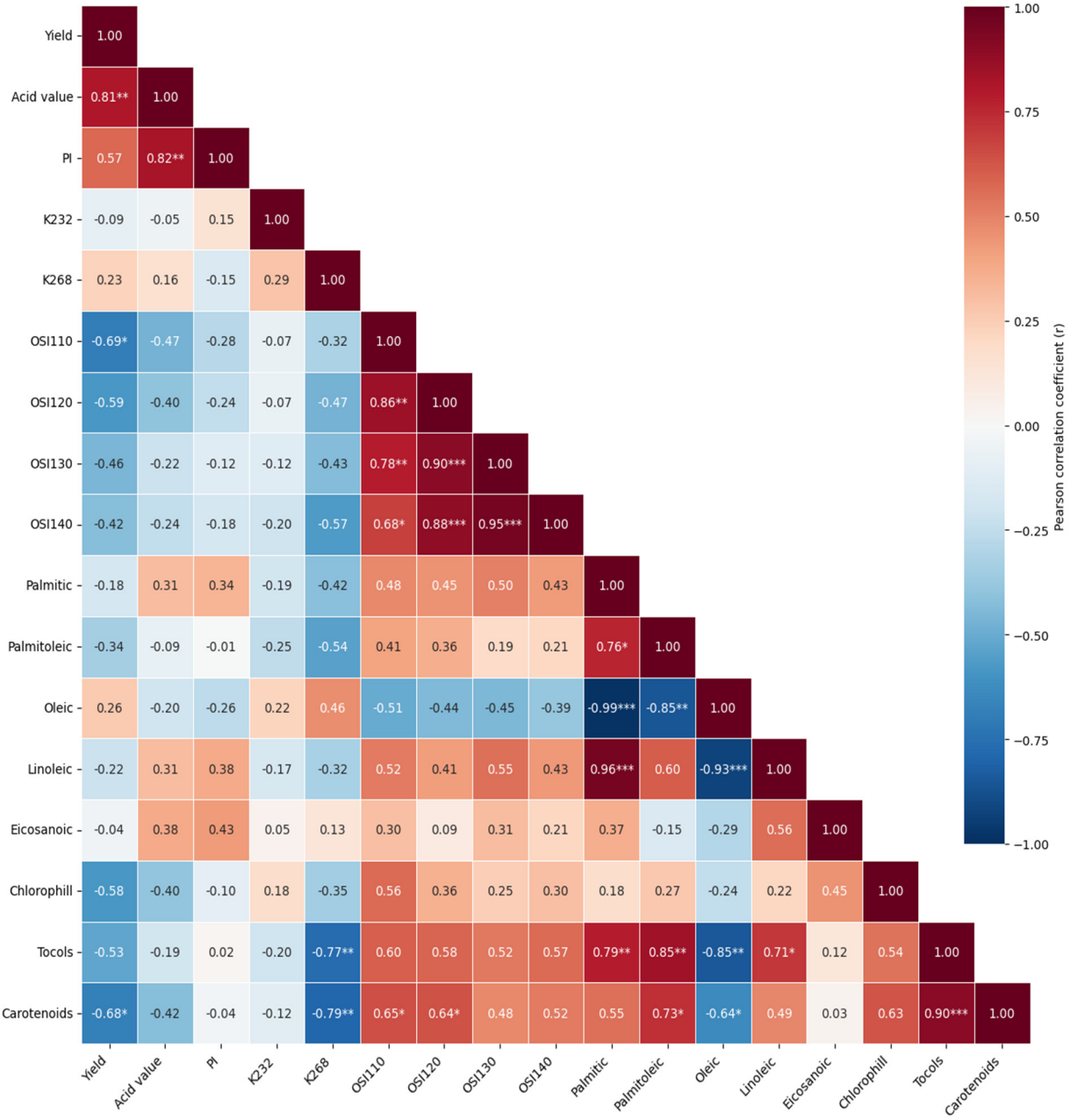


Supplementary Figure S2. Correlation heatmap showing linear Pearson's correlation coefficients (r) between selected variables. The color scale indicates the direction and strength of the correlations, with positive (red) and negative (blu) correlations represented by color intensity proportional to the magnitude of r. Statistical significance is indicated by asterisks: $p \leq 0.05$ (*), $p \leq 0.01$ (**), and $p \leq 0.001$ (***). PI, peroxide value; OSI, oxidative stability index.