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Song HQ, Ni MY, Zhu SD (2019). Hydraulic and photosynthetic characteristics differ between co-generic tree and liana species: a case study of *Millettia* and *Gnetum* in tropical forest. *Chinese Journal of Plant Ecology*, 43, 192–204. DOI: 10.17521/cjpe.2019.0304

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附录II 三个类别下本研究(所有种、属、生活型)不同指标间相关性分析

Supplement II Trait correlation between function traits across all species, within each genus and within each life

指标 Trait	所有种	属 Genus		生活型 Life form	
	All species <i>n</i> = 9	崖豆藤属 <i>Millettia</i> <i>n</i> = 6	买麻藤属 <i>Gnetum</i> <i>n</i> = 3	乔木 Tree <i>n</i> = 5	藤本 Liana <i>n</i> = 3 or 4
$P_{50branch}/k_s$	0.511	0.786	0.705	0.580	-0.107
$P_{50leaf}/K_{leaf-max}$	0.670	0.279	-0.164	0.671	0.956
A_{max}/k_l	0.495	0.709	0.967	0.555	-0.031
$A_{max}/K_{leaf-max}$	-0.244	0.867	0.944	-0.530	-0.494
A_{max}/P_{50leaf}	-0.728*	0.283	0.171	-0.750	-0.729
$A_{max}/P_{50branch}$	0.817***	0.466	0.828	0.884*	0.545
g_{s-max}/P_{50leaf}	-0.798*	-0.020	-0.323	-0.843	-0.789
$g_{s-max}/P_{50branch}$	0.807***	0.386	0.996	0.947*	0.452
$A_{max}/P_{50leaf-branch}$	-0.830*	-0.074	-0.775	-0.868	-0.678
$g_{s-max}/P_{50leaf-branch}$	-0.883***	-0.324	-0.983	-0.956	-0.743

A_l/A_s , 叶面积/边材面积; A_{max} , 最大净光合速率; g_{s-max} , 最大气孔导度; k_l , 叶比导率; $K_{leaf-max}$, 最大叶片水力导度; k_s , 边材比导率; $P_{50branch}$, 枝条导水率损失50%时的水势值; P_{50leaf} , 叶片导水率损失50%时的水势值; $P_{50leaf-branch}$, 枝-叶脆弱性分段; WD , 边材密度。*表示同一类别下的乔木与藤本之间有显著差异(*, $p < 0.05$; ***, $p < 0.01$)。

A_l/A_s , leaf area/sapwood area ratio; A_{max} , maximum net photosynthetic rate; g_{s-max} , maximum stomatal conductance; k_l , leaf specific hydraulic conductivity; $K_{leaf-max}$, maximum leaf hydraulic conductivity; k_s , sapwood specific hydraulic conductivity; $P_{50branch}$, water potential at 50% loss of branch hydraulic conductivity; P_{50leaf} , water potential at 50% loss of leaf hydraulic conductivity; $P_{50leaf-branch}$, difference in P_{50} between leaves and branches; WD , sapwood density. * indicates significant difference between tree and liana in the same group (*, $p < 0.05$; ***, $p < 0.01$).