

Table 1. Species composition across the elevation elevational gradients in SNP of KL-India (SE= Standard Error).

Parameters	GAM Coefficient (β)	SE (β)	P _{value}
Species richness			
Trees	0.042	0.0002	1.00
Shrubs	0.0013	0.0006	0.001
Herbs	0.0017	0.0008	0.001
Saplings	-0.0017	0.001	0.001
Seedlings	0.0006	0.0005	0.0001
Density			
Tree	0.005	0.001	0.001
Shrubs	0.011	0.002	0.001
Herbs	0.650	0.017	0.001
Saplings	-0.019	0.002	0.001
Seedlings	0.195	0.006	0.001
Bamboo (<i>Y. maling</i>) culms	-0.330	0.003	0.001

Table 2. Species richness and density of trees, shrubs and herbs between bamboo and non-bamboo plots. Mean values $\pm$ SEM of the vegetation parameters calculated and compared between bamboo and non-bamboo plots using t-test for independence samples assuming unequal variance.

Parameters	Mean±SEM		t _{value}	P _{value}
	Bamboo plots	Non-Bamboo plots		
	(Bamboo density=300.08±32.69; n=51)	(Bamboo density =0; n= 18)		
<i>Species richness(100m²)</i>				
Trees	2.61±0.18	2.28±0.39	0.779	0.444
Shrubs	1.39±0.14	4.22±0.48	5.565	0.0001
Herbs	3.80±0.39	6.44±0.67	3.398	0.002
<i>Density(100m²)</i>				
Trees	5.75±0.65	9.11±1.95	1.642	0.115
Shrubs	14.27±2.60	79.11±22.82	2.832	0.012
Herbs	1710.78±328.48	3936.11±912.77	2.794	0.032

Table 3. Comparing the forest composition *i.e.*, species richness and density of saplings and seedlings of trees between bamboo and non-bamboo plots. Mean values $\pm$ SEM of the vegetation parameters calculated and compared between bamboo and non-bamboo plots using t-test for independence samples

Parameters	Mean±SEM		t _{value}	P _{value}
	Bamboo plots (Bamboo density = 300.08±32.69; n=51)	Non-bamboo plots (Bamboo density = 0; n=18)		
<i>Species richness(100m²)</i>				
Saplings	1.90±0.21	1.94±0.27	0.122	0.903
Seedlings	1.00±0.16	2.67±0.21	6.227	0.0001
<i>Density(100m²)</i>				
Saplings	20.94±4.40	22.67±5.65	0.241	0.811
Seedlings	130.39±24.70	444.44±41.60	6.492	0.0001

Table 4. Estimated changes in forest composition i.e., species richness and density of trees, shrubs and herbs with respect to bamboo density in the SNP using GAM. Sample (n=69) from bamboo and non-bamboo plots were included in the models.

Parameters	GAM Coefficient (β)	SE (β)	R ²	P _{value}
<i>Species richness</i>				
Trees	-0.00004	0.0007	14.29	0.766
Shrubs	-0.0026	0.0005	53.61	0.0001
Herbs	-0.0021	0.00002	ne	1.000
<i>Density</i>				
Trees	-0.166	0.0004	6.90	0.844
Shrubs	-0.029	0.0013	43.94	0.001
Herbs	-1.956	0.013	57.03	0.001

ne: Non eligible (as the R² value is <1)

Table 5. Estimated changes in forest composition i.e., species richness and density of saplings and seedlings of trees with respect to bamboo density in the SNP using GAM. Sample (n=69) from bamboo and non- bamboo plots were included in the models.

Parameters	GAM- Coefficient (β)	SE (β)	R ²	P _{value}
<i>Species richness</i>				
Saplings	-0.0024	0.0002	22.70	0.3630
Seedlings	-0.0014	0.0002	45.57	0.00001
<i>Density</i>				
Saplings	-0.024	0.0007	23.41	0.0001
Seedlings	-0.143	0.002	55.92	0.0001