

**Rezende *et al.*, 2026. Plant species is more important than urbanization for leaf litter breakdown in a semi-arid river. *Limnetica* 45(1), 2026**

**Table S1.** Tukey test performed on mass loss (%) to compare mesh size (fine vs coarse), sampling local (before vs after urban), plant species (*Erythrina velutina*, *Anacardium occidentale*, *Tabebuia aurea*, *Croton sonderianus*, and *Hymenaea courbaril*). *Teste de Tukey realizado sobre a perda de massa (%) para comparar o tamanho da malha (fina vs. grossa), o local de amostragem (antes vs. depois da área urbana) e as espécies vegetais (Erythrina velutina, Anacardium occidentale, Tabebuia aurea, Croton sonderianus e Hymenaea courbaril).*

Pairwise contrast					estimate	SE	df	t.ratio	p.value	
After urban	Coarse	<i>A. occidentale</i>	- Before	Coarse	<i>A. occidentale</i>	3.3	8.6	22.9	0.4	1.000
After urban	Coarse	<i>A. occidentale</i>	- After	Fine	<i>A. occidentale</i>	-8.4	7.3	36.0	-1.2	1.000
After urban	Coarse	<i>A. occidentale</i>	- Before	Fine	<i>A. occidentale</i>	4.0	8.6	22.9	0.5	1.000
After urban	Coarse	<i>A. occidentale</i>	- After	Coarse	<i>C. sonderianus</i>	-20.7	7.3	36.0	-2.8	0.366
After urban	Coarse	<i>A. occidentale</i>	- Before	Coarse	<i>C. sonderianus</i>	-1.5	8.6	22.9	-0.2	1.000
After urban	Coarse	<i>A. occidentale</i>	- After	Fine	<i>C. sonderianus</i>	-28.3	7.3	36.0	-3.9	0.041
After urban	Coarse	<i>A. occidentale</i>	- Before	Fine	<i>C. sonderianus</i>	2.2	8.6	22.9	0.3	1.000
After urban	Coarse	<i>A. occidentale</i>	- After	Coarse	<i>E. velutina</i>	-32.1	7.3	36.0	-4.4	0.010
After urban	Coarse	<i>A. occidentale</i>	- Before	Coarse	<i>E. velutina</i>	-64.2	8.6	22.9	-7.5	<.0001
After urban	Coarse	<i>A. occidentale</i>	- After	Fine	<i>E. velutina</i>	-30.2	7.3	36.0	-4.2	0.021
After urban	Coarse	<i>A. occidentale</i>	- Before	Fine	<i>E. velutina</i>	-3.0	8.6	22.9	-0.4	1.000
After urban	Coarse	<i>A. occidentale</i>	- After	Coarse	<i>H. courbaril</i>	3.8	7.3	36.0	0.5	1.000
After urban	Coarse	<i>A. occidentale</i>	- Before	Coarse	<i>H. courbaril</i>	3.1	8.6	22.9	0.4	1.000
After urban	Coarse	<i>A. occidentale</i>	- After	Fine	<i>H. courbaril</i>	1.8	7.3	36.0	0.3	1.000
After urban	Coarse	<i>A. occidentale</i>	- Before	Fine	<i>H. courbaril</i>	1.3	8.6	22.9	0.2	1.000
After urban	Coarse	<i>A. occidentale</i>	- After	Coarse	<i>T. aurea</i>	-36.0	7.3	36.0	-5.0	0.002
After urban	Coarse	<i>A. occidentale</i>	- Before	Coarse	<i>T. aurea</i>	-23.0	8.6	22.9	-2.7	0.486
After urban	Coarse	<i>A. occidentale</i>	- After	Fine	<i>T. aurea</i>	-45.6	7.3	36.0	-6.3	<.0001
After urban	Coarse	<i>A. occidentale</i>	- Before	Fine	<i>T. aurea</i>	-9.3	8.6	22.9	-1.1	1.000
Before urban	Coarse	<i>A. occidentale</i>	- After	Fine	<i>A. occidentale</i>	-11.7	8.6	22.9	-1.4	0.996
Before urban	Coarse	<i>A. occidentale</i>	- Before	Fine	<i>A. occidentale</i>	0.7	7.3	36.0	0.1	1.000
Before urban	Coarse	<i>A. occidentale</i>	- After	Coarse	<i>C. sonderianus</i>	-24.0	8.6	22.9	-2.8	0.418
Before urban	Coarse	<i>A. occidentale</i>	- Before	Coarse	<i>C. sonderianus</i>	-4.9	7.3	36.0	-0.7	1.000
Before urban	Coarse	<i>A. occidentale</i>	- After	Fine	<i>C. sonderianus</i>	-31.6	8.6	22.9	-3.7	0.092
Before urban	Coarse	<i>A. occidentale</i>	- Before	Fine	<i>C. sonderianus</i>	-1.1	7.3	36.0	-0.2	1.000
Before urban	Coarse	<i>A. occidentale</i>	- After	Coarse	<i>E. velutina</i>	-35.4	8.6	22.9	-4.1	0.037
Before urban	Coarse	<i>A. occidentale</i>	- Before	Coarse	<i>E. velutina</i>	-67.5	7.3	36.0	-9.3	<.0001
Before urban	Coarse	<i>A. occidentale</i>	- After	Fine	<i>E. velutina</i>	-33.5	8.6	22.9	-3.9	0.059
Before urban	Coarse	<i>A. occidentale</i>	- Before	Fine	<i>E. velutina</i>	-6.4	7.3	36.0	-0.9	1.000
Before urban	Coarse	<i>A. occidentale</i>	- After	Coarse	<i>H. courbaril</i>	0.5	8.6	22.9	0.1	1.000
Before urban	Coarse	<i>A. occidentale</i>	- Before	Coarse	<i>H. courbaril</i>	-0.3	7.3	36.0	0.0	1.000
Before urban	Coarse	<i>A. occidentale</i>	- After	Fine	<i>H. courbaril</i>	-1.5	8.6	22.9	-0.2	1.000
Before urban	Coarse	<i>A. occidentale</i>	- Before	Fine	<i>H. courbaril</i>	-2.0	7.3	36.0	-0.3	1.000
Before urban	Coarse	<i>A. occidentale</i>	- After	Coarse	<i>T. aurea</i>	-39.3	8.6	22.9	-4.6	0.014
Before urban	Coarse	<i>A. occidentale</i>	- Before	Coarse	<i>T. aurea</i>	-26.3	7.3	36.0	-3.6	0.078
Before urban	Coarse	<i>A. occidentale</i>	- After	Fine	<i>T. aurea</i>	-48.9	8.6	22.9	-5.7	0.001
Before urban	Coarse	<i>A. occidentale</i>	- Before	Fine	<i>T. aurea</i>	-12.7	7.3	36.0	-1.7	0.960
After urban	Fine	<i>A. occidentale</i>	- Before	Fine	<i>A. occidentale</i>	12.4	8.6	22.9	1.4	0.992
After urban	Fine	<i>A. occidentale</i>	- After	Coarse	<i>C. sonderianus</i>	-12.3	7.3	36.0	-1.7	0.970
After urban	Fine	<i>A. occidentale</i>	- Before	Coarse	<i>C. sonderianus</i>	6.8	8.6	22.9	0.8	1.000
After urban	Fine	<i>A. occidentale</i>	- After	Fine	<i>C. sonderianus</i>	-19.9	7.3	36.0	-2.7	0.432
After urban	Fine	<i>A. occidentale</i>	- Before	Fine	<i>C. sonderianus</i>	10.6	8.6	22.9	1.2	0.999
After urban	Fine	<i>A. occidentale</i>	- After	Coarse	<i>E. velutina</i>	-23.7	7.3	36.0	-3.3	0.171

After urban	Fine	<i>A. occidentale</i>	- Before	Coarse	<i>E. velutina</i>	-55.8	8.6	22.9	-6.5	0.000
After urban	Fine	<i>A. occidentale</i>	- After	Fine	<i>E. velutina</i>	-21.8	7.3	36.0	-3.0	0.285
After urban	Fine	<i>A. occidentale</i>	- Before	Fine	<i>E. velutina</i>	5.4	8.6	22.9	0.6	1.000
After urban	Fine	<i>A. occidentale</i>	- After	Coarse	<i>H. courbaril</i>	12.2	7.3	36.0	1.7	0.972
After urban	Fine	<i>A. occidentale</i>	- Before	Coarse	<i>H. courbaril</i>	11.5	8.6	22.9	1.3	0.997
After urban	Fine	<i>A. occidentale</i>	- After	Fine	<i>H. courbaril</i>	10.2	7.3	36.0	1.4	0.995
After urban	Fine	<i>A. occidentale</i>	- Before	Fine	<i>H. courbaril</i>	9.7	8.6	22.9	1.1	1.000
After urban	Fine	<i>A. occidentale</i>	- After	Coarse	<i>T. aurea</i>	-27.6	7.3	36.0	-3.8	0.052
After urban	Fine	<i>A. occidentale</i>	- Before	Coarse	<i>T. aurea</i>	-14.6	8.6	22.9	-1.7	0.963
After urban	Fine	<i>A. occidentale</i>	- After	Fine	<i>T. aurea</i>	-37.2	7.3	36.0	-5.1	0.002
After urban	Fine	<i>A. occidentale</i>	- Before	Fine	<i>T. aurea</i>	-1.0	8.6	22.9	-0.1	1.000
Before urban	Fine	<i>A. occidentale</i>	- After	Coarse	<i>C. sonderianus</i>	-24.7	8.6	22.9	-2.9	0.373
Before urban	Fine	<i>A. occidentale</i>	- Before	Coarse	<i>C. sonderianus</i>	-5.6	7.3	36.0	-0.8	1.000
Before urban	Fine	<i>A. occidentale</i>	- After	Fine	<i>C. sonderianus</i>	-32.3	8.6	22.9	-3.8	0.079
Before urban	Fine	<i>A. occidentale</i>	- Before	Fine	<i>C. sonderianus</i>	-1.8	7.3	36.0	-0.3	1.000
Before urban	Fine	<i>A. occidentale</i>	- After	Coarse	<i>E. velutina</i>	-36.1	8.6	22.9	-4.2	0.031
Before urban	Fine	<i>A. occidentale</i>	- Before	Coarse	<i>E. velutina</i>	-68.2	7.3	36.0	-9.4	<.0001
Before urban	Fine	<i>A. occidentale</i>	- After	Fine	<i>E. velutina</i>	-34.2	8.6	22.9	-4.0	0.050
Before urban	Fine	<i>A. occidentale</i>	- Before	Fine	<i>E. velutina</i>	-7.1	7.3	36.0	-1.0	1.000
Before urban	Fine	<i>A. occidentale</i>	- After	Coarse	<i>H. courbaril</i>	-0.2	8.6	22.9	0.0	1.000
Before urban	Fine	<i>A. occidentale</i>	- Before	Coarse	<i>H. courbaril</i>	-1.0	7.3	36.0	-0.1	1.000
Before urban	Fine	<i>A. occidentale</i>	- After	Fine	<i>H. courbaril</i>	-2.2	8.6	22.9	-0.3	1.000
Before urban	Fine	<i>A. occidentale</i>	- Before	Fine	<i>H. courbaril</i>	-2.7	7.3	36.0	-0.4	1.000
Before urban	Fine	<i>A. occidentale</i>	- After	Coarse	<i>T. aurea</i>	-40.0	8.6	22.9	-4.7	0.012
Before urban	Fine	<i>A. occidentale</i>	- Before	Coarse	<i>T. aurea</i>	-27.0	7.3	36.0	-3.7	0.063
Before urban	Fine	<i>A. occidentale</i>	- After	Fine	<i>T. aurea</i>	-49.6	8.6	22.9	-5.8	0.001
Before urban	Fine	<i>A. occidentale</i>	- Before	Fine	<i>T. aurea</i>	-13.4	7.3	36.0	-1.8	0.937
After urban	Coarse	<i>C. sonderianus</i>	- Before	Coarse	<i>C. sonderianus</i>	19.1	8.6	22.9	2.2	0.761
After urban	Coarse	<i>C. sonderianus</i>	- After	Fine	<i>C. sonderianus</i>	-7.6	7.3	36.0	-1.0	1.000
After urban	Coarse	<i>C. sonderianus</i>	- Before	Fine	<i>C. sonderianus</i>	22.9	8.6	22.9	2.7	0.495
After urban	Coarse	<i>C. sonderianus</i>	- After	Coarse	<i>E. velutina</i>	-11.4	7.3	36.0	-1.6	0.985
After urban	Coarse	<i>C. sonderianus</i>	- Before	Coarse	<i>E. velutina</i>	-43.5	8.6	22.9	-5.1	0.005
After urban	Coarse	<i>C. sonderianus</i>	- After	Fine	<i>E. velutina</i>	-9.5	7.3	36.0	-1.3	0.998
After urban	Coarse	<i>C. sonderianus</i>	- Before	Fine	<i>E. velutina</i>	17.7	8.6	22.9	2.1	0.850
After urban	Coarse	<i>C. sonderianus</i>	- After	Coarse	<i>H. courbaril</i>	24.5	7.3	36.0	3.4	0.138
After urban	Coarse	<i>C. sonderianus</i>	- Before	Coarse	<i>H. courbaril</i>	23.8	8.6	22.9	2.8	0.435
After urban	Coarse	<i>C. sonderianus</i>	- After	Fine	<i>H. courbaril</i>	22.5	7.3	36.0	3.1	0.237
After urban	Coarse	<i>C. sonderianus</i>	- Before	Fine	<i>H. courbaril</i>	22.0	8.6	22.9	2.6	0.557
After urban	Coarse	<i>C. sonderianus</i>	- After	Coarse	<i>T. aurea</i>	-15.3	7.3	36.0	-2.1	0.832
After urban	Coarse	<i>C. sonderianus</i>	- Before	Coarse	<i>T. aurea</i>	-2.3	8.6	22.9	-0.3	1.000
After urban	Coarse	<i>C. sonderianus</i>	- After	Fine	<i>T. aurea</i>	-24.9	7.3	36.0	-3.4	0.123
After urban	Coarse	<i>C. sonderianus</i>	- Before	Fine	<i>T. aurea</i>	11.3	8.6	22.9	1.3	0.997
Before urban	Coarse	<i>C. sonderianus</i>	- After	Fine	<i>C. sonderianus</i>	-26.7	8.6	22.9	-3.1	0.259
Before urban	Coarse	<i>C. sonderianus</i>	- Before	Fine	<i>C. sonderianus</i>	3.7	7.3	36.0	0.5	1.000
Before urban	Coarse	<i>C. sonderianus</i>	- After	Coarse	<i>E. velutina</i>	-30.6	8.6	22.9	-3.6	0.117
Before urban	Coarse	<i>C. sonderianus</i>	- Before	Coarse	<i>E. velutina</i>	-62.6	7.3	36.0	-8.6	<.0001
Before urban	Coarse	<i>C. sonderianus</i>	- After	Fine	<i>E. velutina</i>	-28.6	8.6	22.9	-3.3	0.178
Before urban	Coarse	<i>C. sonderianus</i>	- Before	Fine	<i>E. velutina</i>	-1.5	7.3	36.0	-0.2	1.000
Before urban	Coarse	<i>C. sonderianus</i>	- After	Coarse	<i>H. courbaril</i>	5.3	8.6	22.9	0.6	1.000
Before urban	Coarse	<i>C. sonderianus</i>	- Before	Coarse	<i>H. courbaril</i>	4.6	7.3	36.0	0.6	1.000
Before urban	Coarse	<i>C. sonderianus</i>	- After	Fine	<i>H. courbaril</i>	3.4	8.6	22.9	0.4	1.000
Before urban	Coarse	<i>C. sonderianus</i>	- Before	Fine	<i>H. courbaril</i>	2.9	7.3	36.0	0.4	1.000
Before urban	Coarse	<i>C. sonderianus</i>	- After	Coarse	<i>T. aurea</i>	-34.4	8.6	22.9	-4.0	0.047
Before urban	Coarse	<i>C. sonderianus</i>	- Before	Coarse	<i>T. aurea</i>	-21.5	7.3	36.0	-3.0	0.307
Before urban	Coarse	<i>C. sonderianus</i>	- After	Fine	<i>T. aurea</i>	-44.0	8.6	22.9	-5.1	0.004
Before urban	Coarse	<i>C. sonderianus</i>	- Before	Fine	<i>T. aurea</i>	-7.8	7.3	36.0	-1.1	1.000
After urban	Fine	<i>C. sonderianus</i>	- Before	Fine	<i>C. sonderianus</i>	30.5	8.6	22.9	3.5	0.119
After urban	Fine	<i>C. sonderianus</i>	- After	Coarse	<i>E. velutina</i>	-3.8	7.3	36.0	-0.5	1.000
After urban	Fine	<i>C. sonderianus</i>	- Before	Coarse	<i>E. velutina</i>	-35.9	8.6	22.9	-4.2	0.033
After urban	Fine	<i>C. sonderianus</i>	- After	Fine	<i>E. velutina</i>	-1.9	7.3	36.0	-0.3	1.000
After urban	Fine	<i>C. sonderianus</i>	- Before	Fine	<i>E. velutina</i>	25.3	8.6	22.9	2.9	0.340
After urban	Fine	<i>C. sonderianus</i>	- After	Coarse	<i>H. courbaril</i>	32.1	7.3	36.0	4.4	0.010
After urban	Fine	<i>C. sonderianus</i>	- Before	Coarse	<i>H. courbaril</i>	31.4	8.6	22.9	3.6	0.098
After urban	Fine	<i>C. sonderianus</i>	- After	Fine	<i>H. courbaril</i>	30.1	7.3	36.0	4.1	0.022
After urban	Fine	<i>C. sonderianus</i>	- Before	Fine	<i>H. courbaril</i>	29.6	8.6	22.9	3.4	0.144
After urban	Fine	<i>C. sonderianus</i>	- After	Coarse	<i>T. aurea</i>	-7.7	7.3	36.0	-1.1	1.000
After urban	Fine	<i>C. sonderianus</i>	- Before	Coarse	<i>T. aurea</i>	5.3	8.6	22.9	0.6	1.000
After urban	Fine	<i>C. sonderianus</i>	- After	Fine	<i>T. aurea</i>	-17.3	7.3	36.0	-2.4	0.674
After urban	Fine	<i>C. sonderianus</i>	- Before	Fine	<i>T. aurea</i>	18.9	8.6	22.9	2.2	0.774
Before urban	Fine	<i>C. sonderianus</i>	- After	Coarse	<i>E. velutina</i>	-34.3	8.6	22.9	-4.0	0.049
Before urban	Fine	<i>C. sonderianus</i>	- Before	Coarse	<i>E. velutina</i>	-66.4	7.3	36.0	-9.1	<.0001
Before urban	Fine	<i>C. sonderianus</i>	- After	Fine	<i>E. velutina</i>	-32.4	8.6	22.9	-3.8	0.078
Before urban	Fine	<i>C. sonderianus</i>	- Before	Fine	<i>E. velutina</i>	-5.2	7.3	36.0	-0.7	1.000
Before urban	Fine	<i>C. sonderianus</i>	- After	Coarse	<i>H. courbaril</i>	1.6	8.6	22.9	0.2	1.000
Before urban	Fine	<i>C. sonderianus</i>	- Before	Coarse	<i>H. courbaril</i>	0.9	7.3	36.0	0.1	1.000
Before urban	Fine	<i>C. sonderianus</i>	- After	Fine	<i>H. courbaril</i>	-0.4	8.6	22.9	0.0	1.000

Before urban	Fine	<i>C. sonderianus</i>	-	Before	Fine	<i>H. courbaril</i>	-0.9	7.3	36.0	-0.1	1.000
Before urban	Fine	<i>C. sonderianus</i>	-	After	Coarse	<i>T. aurea</i>	-38.2	8.6	22.9	-4.4	0.018
Before urban	Fine	<i>C. sonderianus</i>	-	Before	Coarse	<i>T. aurea</i>	-25.2	7.3	36.0	-3.5	0.111
Before urban	Fine	<i>C. sonderianus</i>	-	After	Fine	<i>T. aurea</i>	-47.8	8.6	22.9	-5.6	0.002
Before urban	Fine	<i>C. sonderianus</i>	-	Before	Fine	<i>T. aurea</i>	-11.5	7.3	36.0	-1.6	0.983
After urban	Coarse	<i>E. velutina</i>	-	Before	Coarse	<i>E. velutina</i>	-32.0	8.6	22.9	-3.7	0.084
After urban	Coarse	<i>E. velutina</i>	-	After	Fine	<i>E. velutina</i>	2.0	7.3	36.0	0.3	1.000
After urban	Coarse	<i>E. velutina</i>	-	Before	Fine	<i>E. velutina</i>	29.1	8.6	22.9	3.4	0.162
After urban	Coarse	<i>E. velutina</i>	-	After	Coarse	<i>H. courbaril</i>	35.9	7.3	36.0	4.9	0.002
After urban	Coarse	<i>E. velutina</i>	-	Before	Coarse	<i>H. courbaril</i>	35.2	8.6	22.9	4.1	0.039
After urban	Coarse	<i>E. velutina</i>	-	After	Fine	<i>H. courbaril</i>	34.0	7.3	36.0	4.7	0.005
After urban	Coarse	<i>E. velutina</i>	-	Before	Fine	<i>H. courbaril</i>	33.5	8.6	22.9	3.9	0.060
After urban	Coarse	<i>E. velutina</i>	-	After	Coarse	<i>T. aurea</i>	-3.9	7.3	36.0	-0.5	1.000
After urban	Coarse	<i>E. velutina</i>	-	Before	Coarse	<i>T. aurea</i>	9.1	8.6	22.9	1.1	1.000
After urban	Coarse	<i>E. velutina</i>	-	After	Fine	<i>T. aurea</i>	-13.4	7.3	36.0	-1.8	0.935
After urban	Coarse	<i>E. velutina</i>	-	Before	Fine	<i>T. aurea</i>	22.8	8.6	22.9	2.6	0.503
Before urban	Coarse	<i>E. velutina</i>	-	After	Fine	<i>E. velutina</i>	34.0	8.6	22.9	4.0	0.053
Before urban	Coarse	<i>E. velutina</i>	-	Before	Fine	<i>E. velutina</i>	61.1	7.3	36.0	8.4	<.0001
Before urban	Coarse	<i>E. velutina</i>	-	After	Coarse	<i>H. courbaril</i>	68.0	8.6	22.9	7.9	<.0001
Before urban	Coarse	<i>E. velutina</i>	-	Before	Coarse	<i>H. courbaril</i>	67.2	7.3	36.0	9.3	<.0001
Before urban	Coarse	<i>E. velutina</i>	-	After	Fine	<i>H. courbaril</i>	66.0	8.6	22.9	7.7	<.0001
Before urban	Coarse	<i>E. velutina</i>	-	Before	Fine	<i>H. courbaril</i>	65.5	7.3	36.0	9.0	<.0001
Before urban	Coarse	<i>E. velutina</i>	-	After	Coarse	<i>T. aurea</i>	28.2	8.6	22.9	3.3	0.196
Before urban	Coarse	<i>E. velutina</i>	-	Before	Coarse	<i>T. aurea</i>	41.1	7.3	36.0	5.7	0.000
Before urban	Coarse	<i>E. velutina</i>	-	After	Fine	<i>T. aurea</i>	18.6	8.6	22.9	2.2	0.795
Before urban	Coarse	<i>E. velutina</i>	-	Before	Fine	<i>T. aurea</i>	54.8	7.3	36.0	7.5	<.0001
After urban	Fine	<i>E. velutina</i>	-	Before	Fine	<i>E. velutina</i>	27.1	8.6	22.9	3.2	0.241
After urban	Fine	<i>E. velutina</i>	-	After	Coarse	<i>H. courbaril</i>	34.0	7.3	36.0	4.7	0.005
After urban	Fine	<i>E. velutina</i>	-	Before	Coarse	<i>H. courbaril</i>	33.2	8.6	22.9	3.9	0.063
After urban	Fine	<i>E. velutina</i>	-	After	Fine	<i>H. courbaril</i>	32.0	7.3	36.0	4.4	0.011
After urban	Fine	<i>E. velutina</i>	-	Before	Fine	<i>H. courbaril</i>	31.5	8.6	22.9	3.7	0.095
After urban	Fine	<i>E. velutina</i>	-	After	Coarse	<i>T. aurea</i>	-5.8	7.3	36.0	-0.8	1.000
After urban	Fine	<i>E. velutina</i>	-	Before	Coarse	<i>T. aurea</i>	7.2	8.6	22.9	0.8	1.000
After urban	Fine	<i>E. velutina</i>	-	After	Fine	<i>T. aurea</i>	-15.4	7.3	36.0	-2.1	0.827
After urban	Fine	<i>E. velutina</i>	-	Before	Fine	<i>T. aurea</i>	20.8	8.6	22.9	2.4	0.645
Before urban	Fine	<i>E. velutina</i>	-	After	Coarse	<i>H. courbaril</i>	6.8	8.6	22.9	0.8	1.000
Before urban	Fine	<i>E. velutina</i>	-	Before	Coarse	<i>H. courbaril</i>	6.1	7.3	36.0	0.8	1.000
Before urban	Fine	<i>E. velutina</i>	-	After	Fine	<i>H. courbaril</i>	4.9	8.6	22.9	0.6	1.000
Before urban	Fine	<i>E. velutina</i>	-	Before	Fine	<i>H. courbaril</i>	4.4	7.3	36.0	0.6	1.000
Before urban	Fine	<i>E. velutina</i>	-	After	Coarse	<i>T. aurea</i>	-33.0	8.6	22.9	-3.8	0.068
Before urban	Fine	<i>E. velutina</i>	-	Before	Coarse	<i>T. aurea</i>	-20.0	7.3	36.0	-2.8	0.426
Before urban	Fine	<i>E. velutina</i>	-	After	Fine	<i>T. aurea</i>	-42.5	8.6	22.9	-4.9	0.006
Before urban	Fine	<i>E. velutina</i>	-	Before	Fine	<i>T. aurea</i>	-6.3	7.3	36.0	-0.9	1.000
After urban	Coarse	<i>H. courbaril</i>	-	Before	Coarse	<i>H. courbaril</i>	-0.7	8.6	22.9	-0.1	1.000
After urban	Coarse	<i>H. courbaril</i>	-	After	Fine	<i>H. courbaril</i>	-2.0	7.3	36.0	-0.3	1.000
After urban	Coarse	<i>H. courbaril</i>	-	Before	Fine	<i>H. courbaril</i>	-2.5	8.6	22.9	-0.3	1.000
After urban	Coarse	<i>H. courbaril</i>	-	After	Coarse	<i>T. aurea</i>	-39.8	7.3	36.0	-5.5	0.001

**Fig. S1.** Intersection between the analyzed factors (upstream/before urban and downstream/after urban) on leaf breakdown in coarse (a) and fine (b) mesh, invertebrate richness (c) and density (d), and shredders (e) and scrapers (f) abundance of the Apodi-Mossoró River, near Mossoró City. *Interação entre os fatores analisados (a montante/antes da área urbana e a jusante/depois da área urbana) sobre a decomposição foliar em malha grossa (a) e fina (b), riqueza (c) e densidade (d) de invertebrados, e abundância de fragmentadores (e) e raspadores (f) no rio Apodi-Mossoró, próximo à cidade de Mossoró.*

