

Supplementary Materials

In the table, spe_no. is the numerical code of 78 vegetation species with different growth forms. In the column of life form, D refers to deciduous plants and E to evergreen plants. GF refers to the growth form with the value of 1, 2, and 3 for grass, shrub, and tree, respectively. The column of spe_code contains the species code, where each plant species was initially assigned a code in the form of letter p (plant) and a unique number, followed by I, II, or III referring to the tree, shrub, or grass form of the species, when the species has more than one growth form. MRIV is the mean relative importance value of a plant species in the same layer amongst the three rivers, which was obtained by summing the MRIV of the species in the same layers by the three rivers and dividing by three. PB_no. is the plant-bird assemblage group (PB) in which the species is located, and the grouping details are described in the results section. Bird population size is the population size classes of the 15 bird species of interest in this study for estimating plant-animal associations; the classification was based on the feeding habits of birds on the riparian vegetation species referring to the Ornithology of China (Zhao 2001), where 3 represents dominant species, 2 represents common species, 1 for rare species, and 0 for no bird distribution or no relevant records; b1-b15 are the bird species: *Zosterops japonica* Temminck & Schlegel (b1), *Pycnonotus sinensis* Gmelin (b2), *Parus major* Linnaeus (b3), *Aegithalos concinnus* Gould (b4), *Pycnonotus xanthorrhous* Anderson (b5), *Spizixos semitorques* Swinhoe (b6), *Hypsipetes mcclllandii* Horsfield (b7), *Streptopelia orientalis* Latham (b8), *Sturnus sericeus* Gmelin (b9), *Turdus merula* Linnaeus (b10), *Pica pica* Linnaeus (b11), *Garrulax sannio* Swinhoe (b12), *Streptopelia chinensis* Scopoli (b13) *Passer montanus* Linnaeus (b14), and *Urocissa erythrorhyncha* Boddaert (b15).

Table S1. The summary table of the basic information on the plant and bird species in the riparian rivers in Chongqing, China.

Spe_no.	Species	Life form	GF	Spe code	MRIV	PB Group	Bird abundance														
							b 1	b 2	b 3	b 4	b 5	b 6	b 7	b 8	b 9	b1 0	b1 1	b1 2	b1 3	b1 4	b1 5
1	<i>Eucalyptus robusta</i> Smith	D	3	p1	0.005346	III	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	<i>Buddleja asiatica</i> Lour.	D	2	p2	0.02431	III	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	<i>Rubus coreanus</i> Miq.	D	2	p3	0.000853	III	0	3	0	0	0	0	0	0	0	2	0	0	0	0	0
4	<i>Erythrina variegata</i> L.	D	3	p5 I	0.155459	IV	2	0	0	0	3	0	0	0	0	0	0	0	0	0	0
5	<i>Erythrina variegata</i> L.	D	2	p5 II	0.038053	IV	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	<i>Ligustrum compactum</i> (Wall. ex G. Don) Hook. f. et Thoms. ex Brandis	E	3	p7 I	0.008504	III	0	3	0	0	0	0	0	0	0	2	0	0	0	0	0
7	<i>Ligustrum compactum</i> (Wall. ex G. Don) Hook. f. et Thoms. ex Brandis	E	2	p7 II	0.001557	III	0	3	0	0	0	0	0	0	0	2	0	0	0	0	0
8	<i>Cinnamomum camphora</i> (L.) Presl	E	3	p53	0.002896	II	0	3	0	0	0	0	1	2	1	2	0	0	2	0	0
9	<i>Buddleja lindleyana</i> Fort..	D	2	p6	0.018284	III	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	<i>Ficus tikoua</i> Bur.	D	1	p8	0.199243	III	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	<i>Pterocarya stenoptera</i> C. DC.	D	3	p9 I	0.123152	III	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	<i>Pterocarya stenoptera</i> C. DC.	D	2	p9 II	0.031099	III	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	<i>Pterocarya stenoptera</i> C. DC.	D	1	p9 III	0.005419	III	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	<i>Quercus serrata</i> Murray	D	3	p10 I	0.002154	III	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	<i>Quercus serrata</i> Murray	D	2	p10 II	0.001335	III	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	<i>Koelreuteria bipinnata</i> Franch.	D	3	p11 I	0.034818	III	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	<i>Koelreuteria bipinnata</i> Franch.	D	2	p11 II	0.03383	III	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	<i>Citrus reticulata</i> Blanco	E	3	p12 I	0.009492	III	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	<i>Citrus reticulata</i> Blanco	E	2	p12 II	0.015799	III	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	<i>Broussonetia papyrifera</i> (Linnaeus) L'Heritier ex Ventenat	D	3	p14 I	0.158772	I	2	3	0	0	0	0	0	0	0	0	2	0	0	0	3
21	<i>Broussonetia papyrifera</i> (Linnaeus) L'Heritier ex Ventenat	D	2	p14 II	0.145852	I	2	3	0	0	0	0	0	0	0	0	2	0	0	0	3
22	<i>Broussonetia papyrifera</i> (Linnaeus) L'Heritier ex Ventenat	D	1	p14 III	0.182713	III	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	<i>Magnolia grandiflora</i> L.	E	3	p15	0.007123	III	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
24	<i>Osmanthus fragrans</i> (Thunb.) Loureiro	E	2	p16	0.001426	III	0	3	0	0	0	0	0	0	0	2	0	0	0	0	0
25	<i>Campylotropis macrocarpa</i> (Bge.) Rehd	D	2	p18	0.00764	III	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	<i>Ficus virens</i> Aiton	D	3	p19 I	0.021217	I	2	3	0	0	3	0	1	0	1	2	2	0	0	0	0
27	<i>Ficus virens</i> Aiton	D	2	p19 II	0.104672	I	2	3	0	0	3	0	1	0	1	2	2	0	0	0	0

28	<i>Vitex negundo</i> L.	D	2	p20	0.010281	IV	0	0	0	0	3	0	0	0	0	0	0	0	0	0
29	<i>Pyracantha fortuneana</i> (Maxim.) Li	E	2	p21	0.014877	III	0	3	0	0	0	0	0	0	0	2	2	0	0	0
30	<i>Viburnum dilatatum</i> Thunb.	D	3	p22 I	0.01266	III	2	3	0	0	0	3	0	0	0	2	0	0	0	0
31	<i>Viburnum dilatatum</i> Thunb.	D	2	p22 II	0.003947	III	2	3	0	0	0	3	0	0	0	2	0	0	0	0
32	<i>Prunus salicina</i> Lindl.	D	3	p23 I	0.025145	III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
33	<i>Prunus salicina</i> Lindl.	D	2	p23 II	0.005375	III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	<i>Litchi chinensis</i> Sonn.	E	3	p24	0.018156	III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
35	<i>Melia azedarach</i> L.	D	3	p25 I	0.001711	III	0	3	0	0	0	0	0	0	0	0	0	0	0	0
36	<i>Melia azedarach</i> L.	D	2	p25 II	0.04218	III	0	3	0	0	0	0	0	0	0	0	0	0	0	0
37	<i>Salix babylonica</i> L.	D	3	p17	0.001823	III	0	3	0	0	0	0	0	0	0	0	0	0	0	0
38	<i>Coriaria nepalensis</i> Wall.	D	2	p26	0.004141	III	0	3	0	0	3	3	0	0	0	0	0	0	0	0
39	<i>Mallotus barbatus</i> (Wall.) Muell. Arg.	D	3	p27	0.010458	III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
40	<i>Litsea mollis</i> Hemsl.	D	3	p28	0.001514	III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
41	<i>Salix rosthornii</i> Seemen	D	3	p29 I	0.003584	III	0	3	0	0	0	0	0	0	0	0	0	0	0	0
42	<i>Salix rosthornii</i> Seemen	D	2	p29 II	0.011044	III	0	3	0	0	0	0	0	0	0	0	0	0	0	0
43	<i>Salix rosthornii</i> Seemen	D	1	p29 III	0.010754	III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
44	<i>Ligustrum lucidum</i> Ait.	D	2	p30	0.004575	IV	0	3	0	0	0	0	0	0	0	0	2	0	0	0
45	<i>Meliosma cuneifolia</i> Franch.	D	3	p31	0.011867	III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
46	<i>Eriobotrya japonica</i> (Thunb.) Lindl.	E	3	p32 I	0.008792	IV	0	3	0	0	3	0	0	0	0	0	0	0	0	0
47	<i>Eriobotrya japonica</i> (Thunb.) Lindl.	E	2	p32 II	0.006915	III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
48	<i>Celtis sinensis</i> Pers.	D	3	p33 I	0.011009	IV	2	0	0	0	0	0	0	0	0	0	0	0	0	0
49	<i>Celtis sinensis</i> Pers.	D	2	p33 II	0.001394	IV	2	0	0	0	0	0	0	0	0	0	0	0	0	0
50	<i>Bischofia javanica</i> Blume	E	3	p34	0.014993	IV	0	0	0	0	3	0	0	0	0	0	0	0	0	0
51	<i>Salix variegata</i> Franch.	D	2	p35 I	0.084511	III	0	3	0	0	0	0	0	0	0	0	0	0	0	0
52	<i>Salix variegata</i> Franch.	D	1	p35 II	0.020804	III	0	3	0	0	0	0	0	0	0	0	0	0	0	0
53	<i>Morus alba</i> L.	D	3	p37 I	0.080261	I	0	3	0	0	0	0	0	0	1	0	2	0	0	1
54	<i>Morus alba</i> L.	D	2	p37 II	0.215155	I	0	3	0	0	0	0	0	0	1	0	2	0	0	1
55	<i>Morus alba</i> L.	D	1	p37III	0.166667	III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
56	<i>Senna bicapsularis</i> (L.) Roxb.	D	2	p38	0.000853	III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	<i>Debregeasia longifolia</i> (Burm. F.) Wedd.	D	2	p39	0.053985	IV	2	0	0	0	0	0	0	0	0	0	2	0	0	0
58	<i>Amygdalus persica</i> L.	D	3	p40	0.006809	III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
59	<i>Cinnamomum japonicum</i> Sieb.	E	3	p41 I	0.02312	II	0	3	0	0	0	0	1	0	1	2	0	0	2	0
60	<i>Cinnamomum japonicum</i> Sieb.	E	2	p41 II	0.035177	II	0	3	0	0	0	0	1	0	1	2	0	0	2	0
61	<i>Tetrapanax papyrifer</i> (Hook.) K. Koch	D	2	p42	0.011192	III	0	0	0	0	0	0	0	0	0	0	0	0	0	0
62	<i>Sapium sebiferum</i> (L.) Roxb.	D	3	p43 I	0.006997	II	2	3	3	0	3	0	0	2	0	0	0	0	2	0
63	<i>Sapium sebiferum</i> (L.) Roxb.	D	2	p43 II	0.009926	III	2	3	0	0	0	0	0	2	0	0	0	0	2	0
64	<i>Sapium sebiferum</i> (L.) Roxb.	D	1	p43III	0.011469	III	0	0	0	0	0	0	0	0	0	0	0	0	0	0

[illegible]

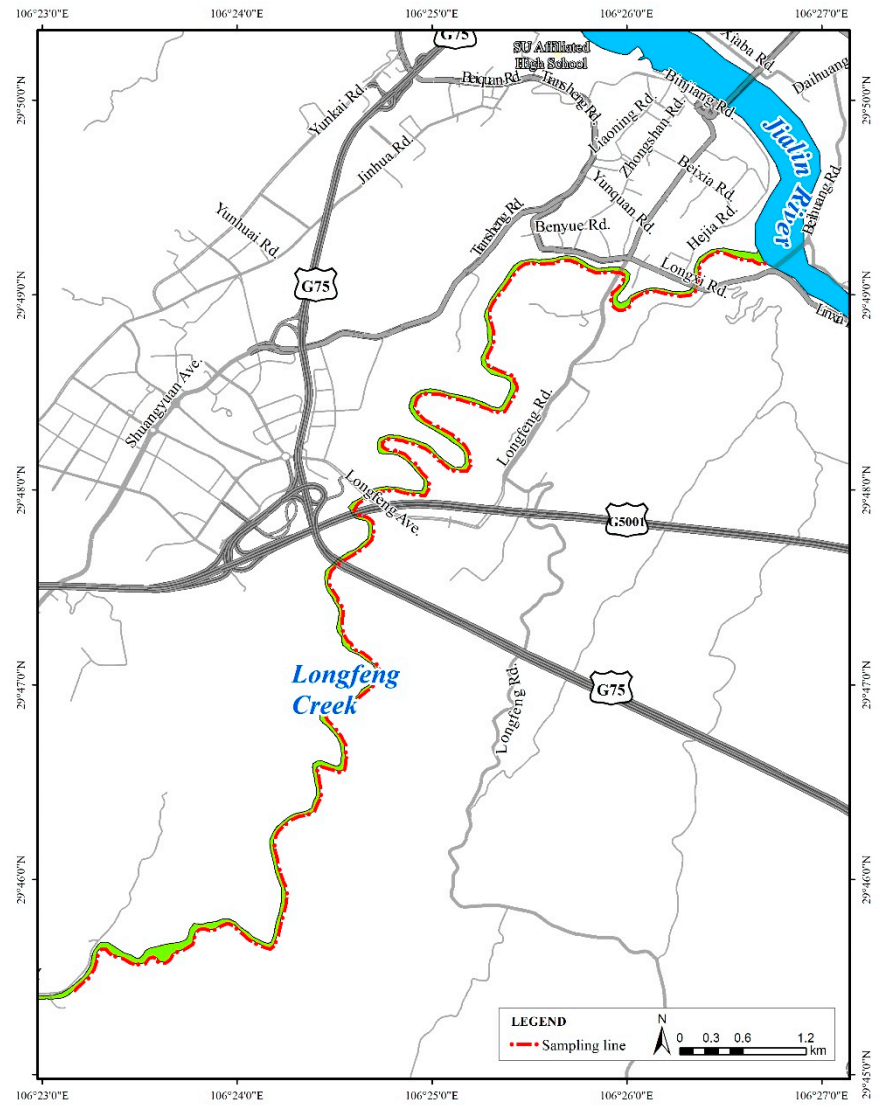


Figure S1. Bird sampling line in Kuxi and Yuxi Rivers.

