



Erratum to: Partial mutual exclusion of ectomycorrhizal and saprobic fungi in a tropical seasonal rainforest

Ediriweera AN et al. 2023 – Erratum to: Partial mutual exclusion of ectomycorrhizal and saprobic fungi in a tropical seasonal rainforest.

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The original publication contains the following errors: Tables 1 and 2 of the original research article contained the macrofungi collected from all the substrates (soil, fallen branches, twigs and other woody material) in plots that should have been contained with names of macrofungi collected only from soil and woody material buried in the soil. Therefore, depending on the new data on page 04, the “Results” section should be changed as follows:

On 3600 m² of the 20-ha Bubeng plot, during peak emergence periods of fruit bodies over two years, SAP and ECM sporocarps were collected and identified. They included 36 SAP and 52 ECM species of fungi. Their distributions were strikingly non-uniform, and many cases were related to distances from stream channels. The general pattern was the domination of saprobes along the sides of the streams, while the richness and diversity of the ECM fungal species increased further away from the streams. The pattern observed in this study differs from the general pattern as described below.

The most abundant species of SAP fungi, such as *Collybia* spp. and *Geastrum* spp., were restricted to sites A and B plots, closer to water bodies (Table 1). Other saprobes, such as *Stropharia* spp. and *Lepiota* spp., were more abundant in all plots away from water bodies. The ECM species, such as *Cortinarius* spp., *Laccaria* spp., and *Lactarius* spp., also did not support the general pattern, being either found across sites or restricted to stream sides (Table 2). *Amanita*, *Boletus*, and *Russula* species were recorded as most abundant in sites far from water bodies. The streamside site A plots have an average of 501 individuals of 18 SAP species and 331 individuals of 14 ECM species, with SAP species accounting for 54% of Shannon diversity (Fig. 2). The plots at site B are more distant from the streams and have an average of 357 individuals of 18 SAP species and 800 individuals of 27 ECM species, with SAP species showing 34% Shannon diversity. Site C plots further away from streams have an average of 223 individuals of 13 SAP species and 1214 individuals of 36 ECM species, with only 20% Shannon diversity for SAP species (Fig. 2).

Of the 36 SAP species, 13 were restricted to streamside site A plots, while only one was found in all three sites. Of the 52 species of ECM, only 14 were present in the streamside site A plots, while 18 were found at site C. In site A and B plots, the counts of SAP fungi and total fruiting bodies per plot decline with distance while the number of species per plot and the contribution to the Shannon’s Diversity Index keeps constant for site A and B plots. For ECM fungi in site A plots, the total count of fruiting bodies per plot, the total count of species per plot, and the contribution to Shannon’s diversity index keeps rising with increasing distance from the water bodies.

Species names in **Table 1** and **Table 2** should be modified as below:

Table 1 Saprotrophic sporocarps collected from Bubeng Tropical Seasonal Rainforest Dynamics Plot (XTRDP) at Xishuangbanna, China

Order	Species name (Saprobic)	Total Sporocarps	Site A plot means (std dev)	Site B plot means (std dev)	Site C plot means (std dev)
Agaricales	<i>Agaricus</i> sp.1	12	12		
Agaricales	<i>Agaricus</i> sp.2	36	31	5 (1)	
Agaricales	<i>Agaricus trisulphuratus</i>	4			4
Agaricales	<i>Collybia</i> sp.1	20	20 (9)		
Agaricales	<i>Collybia</i> sp.2	28	28 (14)		
Agaricales	<i>Entoloma gregarium</i>	11		11	
Agaricales	<i>Gymnopus dryophila</i>	12	12 (7)		
Agaricales	<i>Gymnopilus lepidotus</i>	10	10		
Agaricales	<i>Hygrocybe</i> sp.1	12	12 (1)		
Agaricales	<i>Hygrocybe</i> sp.2	13	13		
Agaricales	<i>Lentinula</i> sp.2	10		10	
Agaricales	<i>Lepiota</i> aff. <i>Magnispora</i>	29		8 (4)	21 (2)
Agaricales	<i>Lepiota</i> sp.1	20			20
Agaricales	<i>Marasmiellus</i> sp.1	13	13		
Agaricales	<i>Marasmiellus candidus</i>	11	11		
Agaricales	<i>Marasmius</i> sp.1	21	21 (2)		
Agaricales	<i>Micropsalliota</i> aff. <i>globocystis</i>	23		12 (1)	11
Agaricales	<i>Micropsalliota</i> sp.2	25		14 (2)	11
Agaricales	<i>Mycena</i> aff. <i>amicta</i>	11			11
Agaricales	<i>Mycena</i> sp. 1	64	41 (7)	23	
Agaricales	<i>Oudemansiella submucida</i>	12		12	
Agaricales	<i>Oudemansiella canarii</i>	5	5		
Agaricales	<i>Psathyrella piluliformis</i>	11		11 (1)	
Agaricales	<i>Psathyrella</i> sp.2	18		11 (2)	7 (3)
Agaricales	<i>Psathyrella</i> sp.3	24		13	11
Agaricales	<i>Stropharia ambigua</i>	15			15
Agaricales	<i>Stropharia</i> sp.1	28	11	17	
Agaricales	<i>Stropharia</i> sp.2	37	6	16 (4)	15
Agaricales	<i>Stropharia</i> sp.3	19		19	
Agaricales	<i>Xerula</i> aff. <i>radicata</i>	8			8

Table 1 Continued.

Order	Species name (Saprobic)	Total Sporocarps	Site A plot means (std dev)	Site B plot means (std dev)	Site C plot means (std dev)
Agaricales	<i>Xerula sinopudens</i>	13		8	5
Agaricales	<i>Xerula</i> sp.1	7		7 (2)	
Geastrales	<i>Geastrum</i> sp.1	21	21 (9)		
Geastrales	<i>Geastrum</i> sp.2	52	11 (2)	41	
Polyporales	<i>Tyromyces chioneus</i>	12			12
Polyporales	<i>Tyromyces</i> sp.1	5		5 (1)	
Polyporales	<i>Ceriporiopsis</i> sp.1	3	3		

Table 2 Ectomycorrhizal sporocarps collected from Bubeng Tropical Seasonal Rainforest Dynamics Plot (XTRDP).

Order	Species name (Ectomycorrhizal)	Total Sporocarps	Site A plot means (std dev)	Site B plot means (std dev)	Site C plot means (std dev)
Agaricales	<i>Amanita</i> . aff. <i>citrina</i>	16			16 (3)
Agaricales	<i>Amanita farinosa</i>	22		5	17 (11)
Agaricales	<i>Amanita</i> sp.1	9		9 (4)	
Agaricales	<i>Amanita</i> sp.2	17	1		16
Agaricales	<i>Amanita</i> sp.3	11			11
Agaricales	<i>Cortinarius</i> sp.1	34	22		12 (5)
Agaricales	<i>Cortinarius</i> sp.2	34	24 (14)		10 (4)
Agaricales	<i>Cortinarius</i> sp.3	7			7
Agaricales	<i>Entoloma</i> sp.1	10	10 (6)		
Agaricales	<i>Entoloma</i> sp.2	4	4		
Agaricales	<i>Laccaria</i> sp.1	31		31	
Agaricales	<i>Laccaria</i> sp. 2	29		29	
Agaricales	<i>Laccaria</i> sp. 3	41	22 (28)		19 (1)
Agaricales	<i>Laccaria</i> sp.4	29	17	12	12 (1)
Agaricales	<i>Tricholoma populinum</i>	26		26	
Agaricales	<i>Tricholoma</i> sp.2	14		14 (8)	
Agaricales	<i>Tricholoma</i> sp.3	13		13	
Boletales	<i>Boletellus emodensis</i>	11			11

Table 2 Continued.

Order	Species name (Ectomycorrhizal)	Total Sporocarps	Site A plot means (std dev)	Site B plot means (std dev)	Site C plot means (std dev)
Boletales	<i>Boletellus</i> sp.1	11			11 (1)
Boletales	<i>Boletellus</i> sp.2	15			15
Boletales	<i>Boletellus</i> sp.3	13			13
Boletales	<i>Baorangia bicolor</i>	24		10 (4)	14
Boletales	<i>Boletus edulis</i>	38		15 (1)	23
Boletales	<i>Boletus</i> sp.1	35		16 (1)	19 (7)
Boletales	<i>Boletus</i> sp.2	35		17 (4)	18 (4)
Boletales	<i>Phlebopus portentosus</i>	11			11
Boletales	<i>Phlebopus</i> sp.1	18		7	11
Boletales	<i>Phlebopus</i> sp.2	17		7 (1)	10
Boletales	<i>Phlebopus</i> sp.3	6		6	
Boletales	<i>Scleroderma</i> sp.1	4	4 (2)		
Boletales	<i>Scleroderma</i> sp.2	9	9 (5)		
Boletales	<i>Strobilomyces</i> sp.1	34		9 (2)	25 (4)
Boletales	<i>Strobilomyces</i> sp.2	34		9 (2)	25
Boletales	<i>Strobilomyces</i> sp.3	22			22
Boletales	<i>Tylopilus</i> sp.1	33		12 (1)	21 (2)
Boletales	<i>Tylopilus</i> sp.2	34		14 (1)	20 (1)
Boletales	<i>Xerocomus puniceiporus</i>	29			29
Boletales	<i>Xerocomus</i> sp.1	50		24 (2)	26 (9)
Boletales	<i>Xerocomus</i> sp.2	50		23 (1)	27 (2)
Boletales	<i>Xerocomus</i> sp.3	18		18	
Cantharellales	<i>Cantharellus</i> sp.1	13		13 (1)	
Cantharellales	<i>Cantharellus</i> sp.2	12		12	
Russulales	<i>Lactarius pyrogalus</i>	22			22 (2)
Russulales	<i>Lactarius</i> sp.1	31	22 (28)		19 (1)
Russulales	<i>Lactarius</i> sp.2	14	14		
Russulales	<i>Lactarius</i> sp.3	35	35 (4)		
Russulales	<i>Russula cyanoxantha</i>	19			19
Russulales	<i>Russula</i> sp.1	11	11		

Table 2 Continued.

Order	Species name (Ectomycorrhizal)	Total Sporocarps	Site A plot means (std dev)	Site B plot means (std dev)	Site C plot means (std dev)
Russulales	<i>Russula</i> sp.2	19			19
Russulales	<i>Russula</i> sp.3	13	13		
Thelephorales	<i>Thelephora</i> . aff. <i>vialis</i>	12		12 (4)	
Thelephorales	<i>Thelephora</i> sp.1	9		9 (2)	

On page 9, Fig. 2 should be changed as follows:

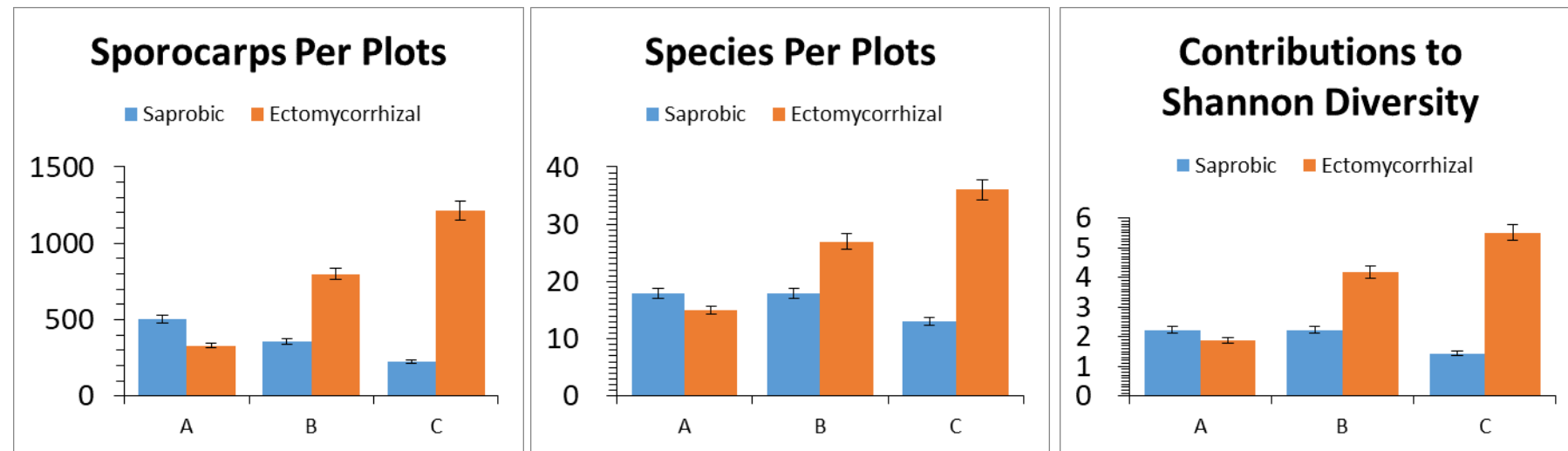


Fig. 2 – Distributional patterns of saprotrophic (blue) and ectomycorrhizal (brown) macrofungal sporocarps collected from Bubeng Tropical Seasonal Rainforest Dynamics Plot at Xishuangbanna, China. Site A is within 1 meter of stream channels, site B is >1 meter and <160 meters from stream channels, site C is >160 meters from stream channels. Each site has 6 plots totaling 1200 m² sampled area. Sporocarps per plot, species per plot and contributions to Shannon diversity are shown separately. Statistical dispersions are standard deviations over 6 plots.