

Fajardo, A. and Siefert, A. 2019. The interplay among intraspecific leaf trait variation, niche breadth and species abundance along light and soil nutrient gradients. – Oikos doi: 10.1111/oik.05849

Appendix 1

Table A1. List of sapling woody species and their respective mean (range) plot-level weighted gap light index (GLI), soil N ($\text{NH}_4^+ + \text{NO}_3^-$) and P ($\mu\text{g g}^{-1}$) availability values, mean (CV) leaf trait values: leaf mass per area (LMA, g m^{-2}), leaf area (LS, cm^2), leaf N (LN) and P (LP, mg g^{-1}) concentrations across four temperate rain forests (Exploradores, Aiken, Queulat, and Katalapi) in southern Chile.

species	<i>n</i>	GLI	<i>n</i>	soil N; soil P	<i>n</i>	LMA; leaf area	<i>n</i>	Leaf N; leaf P
<i>Aextoxicon punctatum</i> (Aextoxicaceae)	3	25.34 (14.63–45.36)	1	213.0; 13.0	3	67.53 (19.79); 15.13 (27.57)		
<i>Amomyrtus luma</i> (Myrtaceae)	141	18.58 (5.89–82.94)	92	263.5 (5–3064); 18.5 (1–155)	134	80.45 (41.28); 4.07 (40.60)	63	1.29 (23.45); 0.130 (72.96)
<i>Amomyrtus meli</i> (Myrtaceae)	26	13.21 (7.63–52.37)	25	322.2 (25–1247); 6.3 (2–20)	26	63.53 (50.88); 3.84 (30.68)	10	1.36 (15.64); 0.090 (48.86)
<i>Aristotelia chilensis</i> (Elaeocarpaceae)	28	16.58 (5.73–53.75)	19	1026.2 (140–3064); 46.3 (1–387)	27	35.61 (40.57); 20.85 (46.56)	15	2.42 (13.04); 0.164 (35.91)
<i>Azara lanceolata</i> (Flacourtiaceae)	47	13.66 (7.15–29.70)	35	246.5 (5–2086); 21.2 (3–126)	47	38.03 (52.60); 2.23 (39.62)	5	2.50 (1.36); 0.153 (20.94)
<i>Baccharis patagonica</i> (Asteraceae)	14	73.52 (32.80–93.39)	3	185.7 (131–240); 12.7 (11–15)	14	105.60 (28.06); 0.76 (35.79)		
<i>Berberis darwinii</i> (Berberidaceae)	10	39.56 (14.38–85.35)	1	110.0; 30.0	10	145.55 (44.11); 3.06 (50.35)		
<i>Berberis microphylla</i> (Berberidaceae)	21	60.77 (10.31–93.39)	5	168.0 (110–240); 24.6 (1–55)	21	140.24 (23.32); 1.79 (45.51)		
<i>Berberis rotundifolia</i> (Berberidaceae)	6	28.87 (14.38–49.70)			6	59.63 (24.30); 5.82 (36.33)		
<i>Caldcluvia paniculata</i> (Cunoniaceae)	83	25.45 (6.75–85.48)	34	338.7 (5–3064); 13.1 (2–155)	79	69.25 (49.93); 19.99 (44.17)	20	1.67 (21.24); 0.093 (34.14)
<i>Crinodendron hookerianum</i> (Elaeocarpaceae)	8	23.53 (10.45–68.13)	6	339.7 (75–1078); 8.2 (2–28)	6	56.64 (39.14); 8.92 (50.97)	4	1.95 (13.76); 0.095 (13.45)
<i>Drimys winteri</i> (Winteraceae)	93	20.38 (5.89–86.94)	54	194.4 (63–1194); 19.9 (2–106)	91	88.15 (44.20); 31.48 (42.63)	33	1.13 (20.78); 0.079 (32.40)
<i>Embothrium coccineum</i> (Proteaceae)	126	29.07 (5.89–92.55)	69	252.9 (25–1294); 18.1 (2–134)	124	79.12 (58.38); 20.58 (45.07)	54	1.77 (28.69); 0.189 (66.20)
<i>Escallonia rubra</i> (Escalloniaceae)	13	55.72 (10.96–90.17)	2	117 (82–152); 20.0 (4–36)	13	81.66 (29.36); 1.56 (79.73)		
<i>Escallonia virgata</i> (Escalloniaceae)	3	84.60 (78.56–92.55)			3	91.98 (6.89); 0.34 (13.88)		
<i>Eucryphia cordifolia</i> (Cunoniaceae)	28	21.84 (8.16–68.13)	22	328.7 (25–1194); 5.6 (2–18)	26	69.41 (48.10); 27.06 (39.88)	16	1.43 (22.90); 0.119 (59.28)
<i>Fuchsia magellanica</i> (Onagraceae)	46	24.54 (6.35–84.32)	21	626.9 (5–3064); 28.3 (4–162)	44	37.74 (52.15); 5.28 (55.97)	9	3.29 (31.40); 0.278 (52.33)
<i>Gaultheria mucronata</i> (Ericaceae)	69	37.84 (7.53–92.55)	19	166.4 (88–437); 18.4 (2–70)	69	127.76 (30.15); 0.73 (40.76)	7	1.27 (15.37); 0.049 (26.43)
<i>Gevuina avellana</i> (Proteaceae)	32	17.71 (8.16–68.13)	29	244.4 (71–1247); 5.8 (1–20)	27	75.44 (51.06); 40.48 (79.77)	26	1.39 (26.42); 0.053 (53.69)
<i>Laureliopsis philippiana</i> (Atherospermaceae)	77	13.52 (5.89–53.75)	57	426.0 (5–4077); 34.8 (2–540)	70	49.13 (48.36); 18.63 (59.00)	36	1.90 (18.30); 0.129 (49.15)
<i>Lomatia ferruginea</i> (Proteaceae)	134	19.51 (6.75–86.94)	96	323.1 (5–4077); 17.5 (1–186)	127	73.56 (44.18); 44.38 (67.80)	82	1.38 (20.05); 0.124 (41.74)
<i>Lomatia hirsuta</i> (Proteaceae)	6	55.02 (36.27–82.94)	1	159.0; 5.0	5	157.64 (8.34); 47.09 (50.41)	4	1.91 (9.38); 0.094 (51.22)
<i>Luma apiculata</i> (Myrtaceae)	47	22.45 (6.75–85.48)	37	730.2 (5–4077); 21.8 (1–186)	46	86.00 (46.39); 3.29 (37.15)	8	1.35 (15.52); 0.066 (30.83)
<i>Maytenus magellanica</i> (Celastraceae)	25	17.10 (7.92–84.32)	20	42.3 (47–240); 23.6 (6–67)	25	73.85 (65.25); 10.61 (38.33)		
<i>Myrceugenia planipes</i> (Myrtaceae)	93	12.96 (2.53–52.37)	72	542.8 (5–4077); 22.7 (1–387)	91	74.18 (30.09); 12.19 (55.23)	51	1.44 (17.38); 0.109 (46.75)
<i>Nothofagus antarctica</i> (Nothofagaceae)	11	75.44 (18.19–93.39)	1	110; 30.0	11	101.68 (15.11); 1.37 (31.44)		
<i>Nothofagus betuloides</i> (Nothofagaceae)	12	41.26 (10.31–86.94)	7	153.9 (107–240); 35.4 (11–97)	12	133.99 (17.50); 1.81 (66.76)	3	0.84 (7.79); 0.085 (24.09)
<i>Nothofagus dombeyi</i> (Nothofagaceae)	13	43.32 (17.82–67.33)			13	129.47 (16.17); 1.49 (25.70)		
<i>Nothofagus nitida</i> (Nothofagaceae)	11	48.30 (11.30–85.48)	1	148.0; 97.0	10	156.38 (30.35); 4.29 (30.90)	1	0.80; 0.154
<i>Ovidia andina</i> (Thymelaeaceae)	2	11.33 (10.31–12.36)	1	71; 36.0	2	35.09 (35.60); 5.58 (44.99)		
<i>Podocarpus nubigenus</i> (Podocarpaceae)	46	14.10 (5.73–68.13)	31	136.6 (62–455); 27.4 (2–106)	46	91.46 (36.29); 1.00 (19.85)	3	0.77 (30.62); 0.144 (76.47)
<i>Raukaura laetevirens</i> (Araliaceae)	90	17.38 (5.73–86.94)	53	179.2 (47–1838); 31.3 (2–387)	88	62.33 (40.34); 20.59 (44.20)	13	1.41 (32.17); 0.214 (39.36)
<i>Raphithamnus spinosus</i> (Verbenaceae)	55	13.70 (2.53–53.75)	47	471.3 (5–3064); 24.4 (1–387)	55	44.15 (51.53); 2.08 (46.76)	12	2.02 (11.49); 0.175 (44.66)
<i>Ribes magellanicum</i> (Grossulariaceae)	11	19.20 (10.33–44.27)	8	304.9 (109–1294); 33.5 (6–97)	11	46.96 (51.29); 24.61 (88.35)	1	2.35; 0.189
<i>Tepualia stipularis</i> (Myrtaceae)	13	51.25 (8.95–85.48)			13	124.07 (22.30); 0.32 (33.25)		
<i>Weinmannia trichosperma</i> (Cunoniaceae)	58	37.27 (7.53–86.94)	13	185.9 (25–677); 22.7 (3–97)	58	110.49 (36.56); 11.81 (38.13)	6	1.21 (36.65); 0.071 (38.49)