

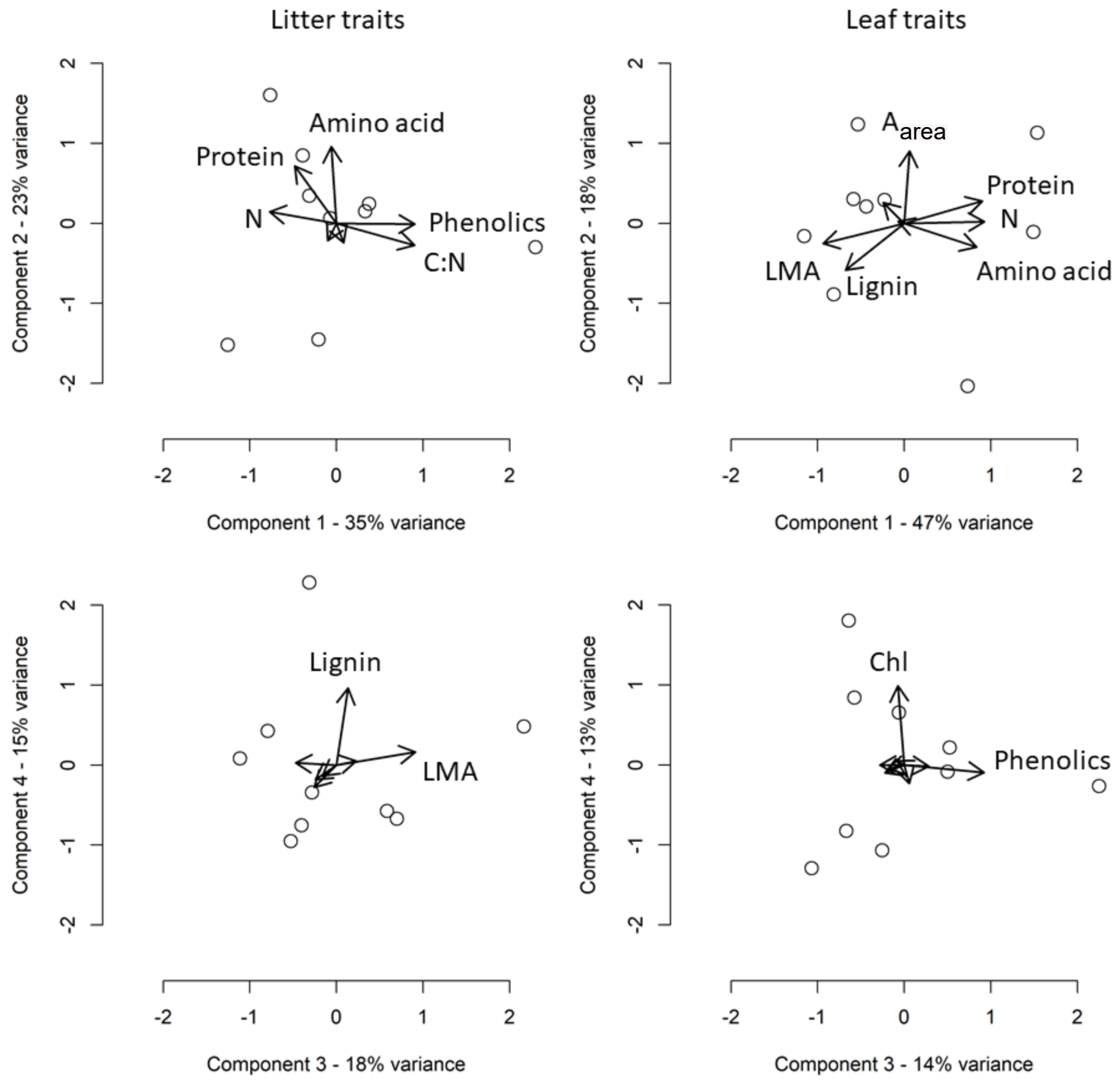
Oikos

**OIK-06470**

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Clausen, C. and Cyphers, K. 2020. Leaf traits can be  
used to predict rates of litter decomposition. – Oikos  
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Appendix 1

Figure A1



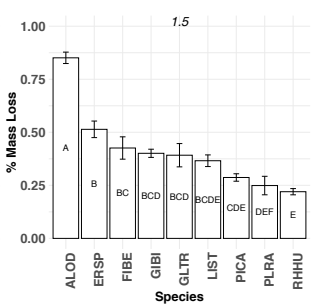
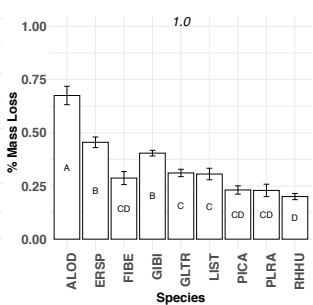
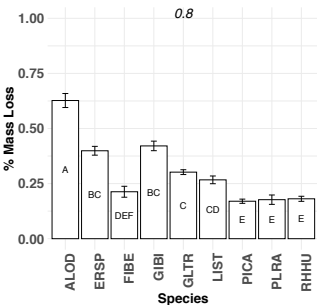
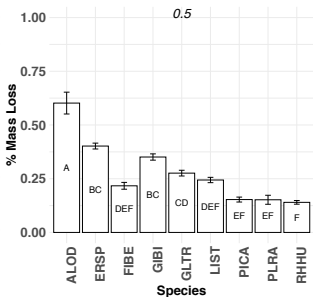
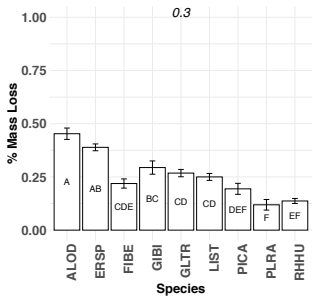
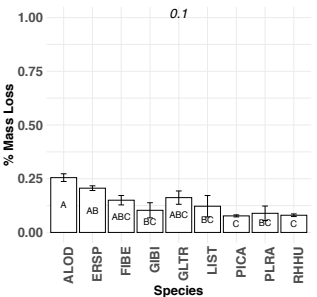


Table A1

Time (yr)	Factor	df	F	P
0.1	SITE	1	0.009	0.924
	<b>SPECIES</b>	<b>8</b>	<b>4.89</b>	<b>&lt;0.001</b>
	SITE:SPECIES	8	0.98	0.46
	Residuals	72		
0.3	SITE	1	3.79	0.056
	<b>SPECIES</b>	<b>8</b>	<b>27.04</b>	<b>&lt;0.001</b>
	SITE:SPECIES	8	1.61	0.14
	Residuals	72		
0.5	SITE	1	0.912	0.34
	<b>SPECIES</b>	<b>8</b>	<b>50.02</b>	<b>&lt;0.001</b>
	SITE:SPECIES	8	0.59	0.78
	Residuals	72		
0.8	<b>SITE</b>	<b>1</b>	<b>34.35</b>	<b>&lt;0.001</b>
	<b>SPECIES</b>	<b>8</b>	<b>79.28</b>	<b>&lt;0.001</b>
	SITE:SPECIES	8	0.52	0.84
	Residuals	72		
1	<b>SITE</b>	<b>1</b>	<b>61.04</b>	<b>&lt;0.001</b>
	<b>SPECIES</b>	<b>8</b>	<b>58.27</b>	<b>&lt;0.001</b>
	SITE:SPECIES	8	1.29	0.26
	Residuals	72		
1.5	SITE	1	0.53	0.47
	<b>SPECIES</b>	<b>8</b>	<b>26.24</b>	<b>&lt;0.001</b>
	SITE:SPECIES	8	0.94	0.49
	Residuals	72		

Table A2

Species	Type	LMA	N <sub>mass</sub>	C:N	Lignin	Lignin:N	Total phenolics	Soluble protein	Membrane protein	Cell wall protein	Nucleic acid	Amino acid
		g m <sup>-2</sup>	%	g g <sup>-1</sup>	%	g g <sup>-1</sup>	%	mg g <sup>-1</sup>	mg g <sup>-1</sup>	mg g <sup>-1</sup>	mgN g <sup>-1</sup>	mgN g <sup>-1</sup>
ALOD	Leaf	34.9	3.5 (0.0)	12.5 (0.1)	1.4	26.9	3.6 (0.1)	354 (27)	203 (50)	45.1 (6.5)	3.42 (0.51)	2.45 (0.22)
	Litter	36.5	1.0 (0.1)	39.6 (4.3)	7.9	7.9	5.1 (0.6)	43.7 (4.2)	32.0 (10.5)	14.1 (2.2)	0.24 (0.05)	0.62 (0.08)
ERSP	Leaf	40.3	4.6 (0.1)	10.1 (0.2)	9.2	0.4	5.7 (0.3)	407 (47)	139 (33)	19.7 (6.8)	1.70 (0.16)	1.79 (0.22)
	Litter	64.6	1.6 (0.0)	27.5 (1.0)	12.6	7.9	5.9 (0.5)	44.3 (6.7)	50.9 (6.2)	15.2 (1.9)	0.39 (0.06)	0.75 (0.08)
FIBE	Leaf	153.8	1.6 (0.0)	28.6 (0.3)	15.8	7.9	3.8 (0.1)	117 (13)	26.2 (3.6)	6.9 (1.2)	0.78 (0.11)	0.38 (0.05)
	Litter	103.9	0.5 (0.0)	87.6 (2.9)	16.5	31.2	3.7 (0.2)	13.4 (1.5)	4.9 (1.0)	1.4 (0.5)	0.14 (0.02)	0.09 (0.02)
GIBI	Leaf	101.5	1.8 (0.2)	25.8 (2.6)	9.3	2.0	7.8 (0.5)	8.0 (2.3)	135 (7)	32.5 (7.1)	1.73 (0.27)	0.74 (0.12)
	Litter	107.1	1.1 (0.1)	39.0 (2.4)	12.2	10.9	9.0 (0.6)	2.9 (0.6)	23.1 (1.8)	7.3 (1.4)	0.26 (0.02)	0.58 (0.07)
GLTR	Leaf	113.1	1.7 (0.1)	29.4 (1.0)	13.8	7.9	13.6 (1.4)	134 (10)	44.9 (6.8)	34.7 (4.7)	1.58 (0.22)	0.62 (0.19)
	Litter	54.2	0.9 (0.0)	54.6 (2.7)	19.7	22.0	12.9 (0.2)	17.3 (4.0)	7.1 (2.9)	6.6 (2.9)	0.20 (0.00)	0.53 (0.09)
LIST	Leaf	110.2	1.1 (0.2)	43.2 (5.0)	12.45	11.1	23.2 (4.0)	51.1 (13.1)	24.2 (2.0)	12.0 (0.3)	0.51 (0.01)	0.15 (0.00)
	Litter	86.0	0.3 (0.1)	158 (42)	9.4	26.9	31.2 (5.2)	11.1 (1.6)	1.5 (0.2)	0.9 (0.2)	0.16 (0.00)	0.36 (0.06)
PICA	Leaf	167.3	1.2 (0.1)	41.4 (2.4)	15.9	9.8	4.7 (1.1)	1.0 (0.3)	91.2 (15.4)	15.6 (0.8)	0.19 (0.02)	0.78 (0.09)
	Litter	169.7	0.6 (0.1)	86.4 (18.0)	25.4	41.6	5.0 (0.2)	5.9 (2.4)	13.8 (4.3)	5.7 (0.7)	0.18 (0.02)	0.34 (0.03)
PLRA	Leaf	102.8	1.7 (0.0)	28.5 (0.4)	15.8	5.2	5.0 (0.3)	22.5 (8.2)	113 (9)	56.5 (8.0)	0.54 (0.05)	0.67 (0.11)
	Litter	83.4	0.9 (0.5)	85.9 (31.5)	38.0	42.6	7.5 (1.9)	3.9 (0.8)	17.5 (2.7)	6.0 (2.1)	0.21 (0.04)	0.38 (0.05)
RHHU	Leaf	91.5	2.5 (0.1)	19.5 (0.5)	17.1	8.2	5.7 (0.5)	86.6 (21.6)	109 (21)	21.9 (1.5)	0.79 (0.10)	2.75 (0.29)
	Litter	70.7	1.8 (0.4)	27.6 (5.8)	21.7	11.9	5.0 (0.9)	13.9 (0.9)	15.8 (7.0)	5.5 (1.0)	0.18 (0.02)	0.17 (0.03)

Table A3

Measured Characteristic	CSS	RO	df	t
Air Temp (°C)	28.3 (3.7)	24.5 (2.3)	10	0.88
Soil Temp (°C)	27.3 (2.0)	18.1 (0.6)	30	<b>4.31</b>
GWC (%)	7.2 (1.2)	15.0 (1.4)	58	<b>4.30</b>
NH4 (µg NH <sub>4</sub> -N g dry soil <sup>-1</sup> )	4.2 (0.6)	12.0 (3.6)	8	2.11
NO3 (µg NO <sub>3</sub> -N g dry soil <sup>-1</sup> )	3.5 (0.8)	7.0 (2.9)	8	1.18
Total Extractable N (µg N g dry soil <sup>-1</sup> )	7.7 (1.1)	19.0 (1.4)	8	<b>6.38</b>
Organic Matter (%)	3.4 (0.1)	7.7 (1.4)	8	<b>3.14</b>