Supplementary data

Table S1. Parameters of analytical procedure

Element	Calibration range up to mg L^{-1}	Wavelength nm	Plasma view	DL mg kg^{-1}
Ca	2000	239,856	axial	x
Ca	200	315,887	radial	0,077
Fe	100	261,187	radial	0,067
Fe	1000	262,167	axial	x
K	2000	404,414	axial	x
K	100	769,897	radial	0,011
Mg	2000	279,078	axial	x
Mg	50	285,213	radial	0,041
Mn	20	257,610	radial	0,015
Na	1000	330,237	axial	x
Na	100	588,995	axial	0,013
P	1000	202,349	axial	x
P	30	213,618	radial	0,015
S	1000	182,565	axial	x
S	100	180,672	radial	0,020

x – calibration for high concentration of element

Table S2. Content [mg kg^{-1}] of determined elements in *Pholiota nameko* fruit bodies

System	Ca	Fe	K	Mg	Mn	Na	P	S
Control	233^f ± 11.8	8.61^g ± 1.19	11300^{bc} ± 621	440^d ± 17.8	6.71^d ± 0.965	104^d ± 4.65	6640^{cd} ± 290	3600^e ± 137
Fe$_5$	241^f ± 19.1	15.9^f ± 1.78	13900^{ab} ± 679	651^c ± 42.2	13.2^c ± 1.76	130^c ± 6.40	6950^{bc} ± 63.8	4030^{bcd} ± 40.4
Fe$_{10}$	219^f ± 27.1	19.8^{ef} ± 1.46	17200^{ab} ± 404	852^{ab} ± 12.9	12.4^c ± 1.76	173^a ± 4.01	7230^{ab} ± 42.4	4140^{a-d} ± 56.0
Fe$_{15}$	225^f ± 33.1	25.1^{cd} ± 1.54	19100^a ± 699	928^a ± 35.0	12.2^c ± 1.09	183^a ± 6.19	7430^a ± 70.7	4190^{abc} ± 22.7
Fe$_5$ Ca$_5$	458^e ± 28.2	23.1^{de} ± 1.21	7770^c ± 4790	614^c ± 23.2	14.0^c ± 1.03	114^{cd} ± 3.28	6410de ± 78.8	4030^{bcd} ± 114
Fe$_{10}$ Ca$_5$	698^d ± 52.6	24.7^d ± 0.57	16300^{ab} ± 882	870^a ± 65.1	16.6^{bc} ± 0.793	153^b ± 3.13	6640^{cd} ± 86.9	4270^{ab} ± 50.7
Fe$_{15}$ Ca$_5$	931^c ± 40.4	31.6^b ± 1.66	14400^{ab} ± 441	937^a ± 26.3	20.6^b ± 0.966	179^a ± 3.62	6720^{cd} ± 26.5	4330^a ± 56.0
Fe$_5$ Ca$_{10}$	825^{cd} ± 6.60	27.4^{bcd} ± 0.94	12700^{bc} ± 319	724^{bc} ± 50.4	15.0^c ± 1.40	123^{cd} ± 5.99	6250^e ± 43.7	3940^{cd} ± 40.5
Fe$_{10}$ Ca$_{10}$	1430^b ± 83.2	29.5^{bc} ± 1.00	16200^{ab} ± 970	709^{bc} ± 26.1	29.5^a ± 1.32	153^b ± 6.80	6370de ± 39.5	3870^d ± 58.4
Fe$_{15}$ Ca$_{10}$	1620^a ± 27.9	38.3^a ± 1.09	14800^{ab} ± 1350	728^{bc} ± 33.0	28.2^a ± 1.04	175^a ± 6.71	6230^e ± 51.4	4110^{abc} ± 71.1

n=5, identical superscripts (a, b…) in columns denote no significant differences between means according to a post-hoc Tukey's HSD test at α=95% following one-way ANOVA