Bergmann and Graça. 2020. ***Uranium affects growth, sporulation, biomass and leaf-litter decomposition by aquatic hyphomycetes*****. Limnetica 39 (1), 2020: 141-154**

SUPPLEMENTARY INFORMATION

Table S1. Sampling locations for six *H. lugdunensis* strains and uranium concentration in the water (*n* = 3; mean ± standard deviation). *Pontos de amostragem das seis estirpes de H. lugdunensis e concentração de urânio na água (n = 3; média ± desvio padrão).*

Strain	Geographical coordinates	Location	Mining status	U in the water (μg/l)
A	40° 36'59.46"N; 7° 40'45.63"W	Ribeira de Ludares (Pinhal do Souto mine)	Abandoned	2.68 ± 0.69
B	40° 03'56.07"N; 8° 06'18.10"W	Ribeira de Sinhel (Escádia Grande mine)	Abandoned	3.30 ± 0.24
C	40° 04'2.98"N; 8° 06'22.38"W	Ribeira de Sinhel (Escádia Grande mine)	Abandoned	1.89 ± 1.05
D	40° 30'42.05"N; 7° 49'2.27"W	Ribeira do Castelo (Quinta do Bispo mine)	Abandoned	6.35 ± 2.24
E	40° 03'54.18"N; 8° 06'9.81"W	Ribeira de Sinhel (Escádia Grande mine)	Abandoned	2.75 ± 1.42
F	40° 32' 01.0"N; 8° 09'15.0"W	Ribeira de Múceres	Reference	0.35 ± 0.8

Table S2. Two-way ANOVA and Tukey HSD multiple comparison test (n = 3) of mycelial growth among fungal species and uranium concentrations. *ANOVA de duas vias e teste post-hoc para comparação múltipla (Tukey HSD) do crescimento micelial entre espécies de fungos e concentrações de urânio (n = 3).*

	SS	**df**	**MS**	**F**	***p***
Species	0.21	3	0.07	97.28	< 0.001
Concentration	1.48	5	0.29	409.07	< 0.001
Species*Concentration	0.12	15	0.008	10.73	< 0.001
Total	0.03	48	0.00072		

Main effect: species	**Tukey HSD multiple comparison test**
V. elodeae ≠ *T. splendens/A. tetracladia/H. lugdunensis*	$p < 0.001$
Main effect: concentration	
16 and 262 **mg/l** reduced growth for all species	$p < 0.001$
Species*Concentration	
Control/0.004/0.064/**1 mg/l *V. elodeae* < *T. splendens*/*A. tetracladia*/*H. lugdunensis***	$p < 0.001$
16 mg/l *A. tetracladia* > *T. splendens*	$p < 0.001$

Table S3. Tolerance Index of the four fungal species growing in agar plates at increasing uranium concentrations. TI > 100% = stimulation; TI < 100% = inhibition. *Índices de Tolerância das quatro espécies de fungos crescidos em ágar sob concentrações crescentes de urânio. TI > 100% = estimulação; TI < 100% = inibição.*

	U (mg/l)				
TI	0.004	0.064	1	16	262
A. tetracladia	86	89	70	33	10
T. splendens	109	101	94	29	14
H. lugdunensis	197	112	101	38	19
V. elodeae	85	84	85	57	32

Table S4. Two-way ANOVA and Tukey HSD multiple comparison test (n = 3) of mycelial growth among fungal strains and uranium concentrations. *ANOVA de duas vias e teste post-hoc para comparação múltipla (Tukey HSD) do crescimento micelial entre estirpes de fungos e concentrações de urânio (n = 3).*

	SS	**df**	**MS**	**F**	***p***
Strain	1.09	5	0.22	88.93	< 0.001
Concentration	10.83	5	2.16	879.57	< 0.001
Strain*Concentration	1.09	25	0.04	17.75	< 0.001
Total	0.18	72	0.0025		

Main effect: strain	**Tukey HSD multiple comparison test**
Strain B ≠ C/D/E/F	$p < 0.01$
Strains C/D/E ≠ A/B/F	$p < 0.01$
Strain F ≠ B/C/D/E	$p < 0.01$
Main effect: concentration	
1 mg/l reduced growth for strain C, and 16 mg/l for the other strains	$p < 0.001$
Strain*Concentration	
Control (no U exposure): A > D	$p = 0.02$
0.064 mg/l (F > D)	$p = 0.004$
16 mg/l (F > C/D/E)	$p < 0.01$
262 mg/l (F > A/C/D/E)	$p < 0.01$

Table S5. Tolerance Index of six strains of *H. lugdunensis* at increasing uranium concentrations in agar plates. TI > 100% = stimulation; TI < 100% = inhibition. Dark grey, light grey and white bands represent respectively the strains from the most polluted site, the intermediate sites and the reference site. *Índices de Tolerância das seis estipes de* H. lugdunensis *crescidas em ágar sob concentrações crescentes de urânio. TI > 100% = estimulação; TI < 100% = inibição.*

	U (**mg/l**)				
Strain TI	0.004	0.064	1	16	262
A	101	112	93	23	8
B	95	100	86	18	12
C	84	85	68	18	10
D	90	86	88	38	9
E	85	89	95	23	13
F	107	112	101	38	19