

Čuda J., Hadincová V., Petřík P., Hummel J., Sejfová Z., Borovec J., Bureš L., Wild J. & Hradecký J. (2024) Environmental factors shape the relationship between seed bank and vegetation on periodically emerged alluvial gravel bars of the Elbe river. – *Preslia* 96: 223–246.

Supplementary Table S3. Comparison of the frequency of species in vegetation and seed bank in 2021 and 2022. Year 2023 is not included as only vegetation was sampled. Species are ranked according to the difference between seed bank and vegetation frequency. High positive values show species overrepresented in the seed bank, high negative values indicate species overrepresented in the vegetation and species with value around zero were equally distributed in both vegetation and seed bank.

Species	Seed bank	Vegetation	Difference
<i>Cyperus fuscus</i>	78	12	66
<i>Eragrostis albensis</i>	75	34	41
<i>Lythrum salicaria</i>	92	52	40
<i>Chenopodium polyspermum</i>	69	32	37
<i>Chenopodium album</i> agg.	24	4	20
<i>Plantago uliginosa</i>	81	61	20
<i>Juncus compressus</i>	17	1	16
<i>Galinsoga quadriradiata</i>	30	15	15
<i>Portulaca oleracea</i>	29	14	15
<i>Galinsoga parviflora</i>	23	13	10
<i>Chenopodium glaucum</i>	9	0	9
<i>Chenopodium rubrum</i>	10	1	9
<i>Oxalis corniculata</i>	14	5	9
<i>Amaranthus powellii</i>	6	0	6
<i>Herniaria glabra</i>	11	5	6
<i>Salix caprea</i>	6	0	6
<i>Juncus effusus</i>	5	0	5
<i>Eragrostis minor</i>	5	1	4
<i>Hypericum perforatum</i>	4	0	4
<i>Sonchus asper</i>	4	0	4
<i>Amaranthus retroflexus</i>	3	0	3
<i>Conyza canadensis</i>	4	1	3
<i>Digitaria ischaemum</i>	3	0	3
<i>Erysimum cheiranthoides</i>	7	4	3
<i>Juncus articulatus</i>	3	0	3
<i>Oxalis dillenii</i>	3	0	3
<i>Artemisia vulgaris</i>	15	13	2
<i>Ballota nigra</i>	2	0	2
<i>Bellis perennis</i>	2	0	2
<i>Corrigiola litoralis</i>	17	15	2
<i>Digitaria sanguinalis</i>	14	12	2
<i>Juncus tenuis</i>	2	0	2
<i>Sagina procumbens</i>	6	4	2
<i>Symphyotrichum novi-belgii</i> agg.	2	0	2
<i>Callitriche cophocarpa</i>	1	0	1

<i>Capsella bursa-pastoris</i>	1	0	1
<i>Epilobium parviflorum</i>	1	0	1
<i>Juncus inflexus</i>	1	0	1
<i>Limosella aquatica</i>	1	0	1
<i>Lysimachia vulgaris</i>	1	0	1
<i>Melilotus albus</i>	1	0	1
<i>Mentha spicata</i>	1	0	1
<i>Panicum capillare</i>	1	0	1
<i>Robinia pseudoacacia</i>	1	0	1
<i>Senecio vulgaris</i>	4	3	1
<i>Setaria verticillata</i>	1	0	1
<i>Setaria viridis</i>	1	0	1
<i>Weigela florida</i>	1	0	1
<i>Barbarea vulgaris</i>	1	1	0
<i>Mentha arvensis</i>	1	1	0
<i>Oxalis stricta</i>	3	3	0
<i>Tanacetum vulgare</i>	3	3	0
<i>Ambrosia artemisiifolia</i>	3	4	-1
<i>Atriplex prostrata</i>	1	2	-1
<i>Microrrhinum minus</i>	2	3	-1
<i>Rorippa austriaca</i>	3	4	-1
<i>Atriplex patula</i>	0	1	-1
<i>Bromus sterilis</i>	0	1	-1
<i>Ceratophyllum demersum</i>	0	1	-1
<i>Cirsium vulgare</i>	0	1	-1
<i>Convolvulus arvensis</i>	0	1	-1
<i>Elymus caninus</i>	0	1	-1
<i>Galium aparine</i>	0	1	-1
<i>Geranium pusillum</i>	0	1	-1
<i>Geranium robertianum</i>	0	1	-1
<i>Glechoma hederacea</i>	0	1	-1
<i>Gnaphalium uliginosum</i>	0	1	-1
<i>Lemna gibba</i>	0	1	-1
<i>Lolium perenne</i>	0	1	-1
<i>Medicago lupulina</i>	0	1	-1
<i>Myriophyllum spicatum</i>	0	1	-1
<i>Nasturtium officinale</i>	0	1	-1
<i>Physalis pubescens</i>	0	1	-1
<i>Stachys palustris</i>	0	1	-1
<i>Vicia sativa</i>	0	1	-1
<i>Xanthium albinum</i>	0	1	-1
<i>Potentilla reptans</i>	7	9	-2
<i>Potentilla supina</i>	2	4	-2
<i>Stellaria media</i>	9	11	-2
<i>Allium schoenoprasum</i>	0	2	-2
<i>Cirsium arvense</i>	0	2	-2
<i>Festuca rubra</i>	0	2	-2
<i>Myosoton aquaticum</i>	0	2	-2

<i>Poa compressa</i>	0	2	-2
<i>Carex acuta</i>	1	4	-3
<i>Inula britannica</i>	23	26	-3
<i>Scrophularia nodosa</i>	2	5	-3
<i>Taraxacum</i> sect. <i>Taraxacum</i>	2	5	-3
<i>Bidens frondosa</i>	0	3	-3
<i>Ranunculus repens</i>	0	3	-3
<i>Sonchus oleraceus</i>	1	5	-4
<i>Arenaria serpyllifolia</i>	0	4	-4
<i>Echinochloa crus-galli</i>	0	4	-4
<i>Rorippa amphibia</i>	0	4	-4
<i>Rorippa sylvestris</i>	102	107	-5
<i>Chelidonium majus</i>	0	5	-5
<i>Poa trivialis</i>	0	5	-5
<i>Rorippa</i> × <i>anceps</i>	0	5	-5
<i>Rumex obtusifolius</i>	0	5	-5
<i>Tripleurospermum inodorum</i>	2	8	-6
<i>Hypochaeris radicata</i>	0	6	-6
<i>Polygonum aviculare</i> agg.	20	27	-7
<i>Stellaria alsine</i>	0	7	-7
<i>Persicaria lapathifolia</i>	12	20	-8
<i>Rumex thyrsiflorus</i>	2	10	-8
<i>Stellaria nemorum</i>	0	8	-8
<i>Dactylis glomerata</i>	0	9	-9
<i>Solanum lycopersicum</i>	0	10	-10
<i>Plantago lanceolata</i>	1	12	-11
<i>Poa annua</i>	3	14	-11
<i>Rumex crispus</i>	0	11	-11
<i>Persicaria hydropiper</i>	6	18	-12
<i>Veronica beccabunga</i>	4	16	-12
<i>Poa palustris</i>	0	15	-15
<i>Erigeron annuus</i>	13	31	-18
<i>Ranunculus sceleratus</i>	1	21	-20
<i>Persicaria mitis</i>	3	29	-26
<i>Urtica dioica</i>	18	47	-29
<i>Phalaris arundinacea</i>	0	31	-31
<i>Agrostis stolonifera</i>	6	68	-62