

Accumulation mechanism and risk assessment of *Artemisia selengensis* seedling in vitro with the hydroponic culture under cadmium pressure

Tao Tang ^{1,2}, Wei Kang ^{2,3,*}, Mi Shen ², Lin Chen ^{1,2}, Xude Zhao ², Yongkui Wang ², Shunwen Xu ⁴, Anhuai Ming ⁴, Tao Feng ¹, Haiyan Deng ², Shuqi Zheng ²

¹ School of Resources and Environmental Engineering, Wuhan University of Science and Technology, Wuhan, 430080, China; tangtaowkd@163.com (T.T.); Chenlin1735@163.com (L.C.); fengtaowhu@163.com (T.F.)

² Hubei Provincial Key Laboratory of Mining Area Environmental Pollution Control and Remediation, Hubei Polytechnic University, Huangshi 435003, China; 223004@hbpu.edu.cn (M.S.); zhaoxude@hbpu.edu.cn (X.Z.); 204055@hbpu.edu.cn (Y.W.); bx_ollie08051005@163.com (H.D.); Zhengshuqi2021@163.com (S.Z.)

³ College of Environmental Engineering, Wuhan Textile University, Wuhan, 430200, China; kangwei@hbpu.edu.cn (W.K.)

⁴ Huangshi Vegetable Industry Development Center, Huangshi 435003, China; xunshunwen2021@163.com (S.X.); minganhuai@163.com (A.M.)

* Correspondence: kangwei@hbpu.edu.cn; Tel.: +86-15072077233

Supplementary Material

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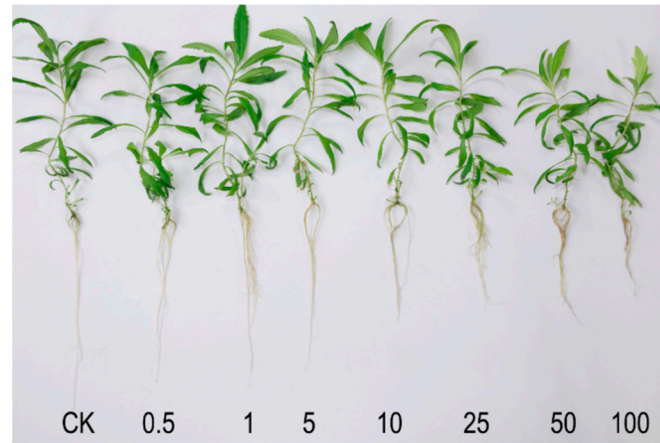


Figure S1. The growth of *Artemisia selengensis* tissue culture seedlings after 40 days of cultivation. From left to right, the concentration of Cd treatments are 0 μM , 0.5 μM , 1 μM , 5 μM , 10 μM , 25 μM , 50 μM and 100 μM .

Table S1. Translocation factor (TF) of *A. selengensis* shoots and leaves.

Cd Concentration(μ M)	Day 10		Day 20		Day 30		Day 40	
	stem	leaf	stem	leaf	stem	leaf	stem	leaf
0.5	0.77 \pm 0.10	0.18 \pm 0.02	0.47 \pm 0.03	0.21 \pm 0.01	0.34 \pm 0.01	0.17 \pm 0.01	0.25 \pm 0.02	0.15 \pm 0.02
1	0.72 \pm 0.06	0.25 \pm 0.09	0.50 \pm 0.04	0.23 \pm 0.01	0.32 \pm 0.03	0.22 \pm 0.02	0.27 \pm 0.01	0.20 \pm 0.01
5	1.06 \pm 0.04	0.32 \pm 0.01	0.57 \pm 0.04	0.20 \pm 0.01	0.42 \pm 0.04	0.23 \pm 0.04	0.30 \pm 0.02	0.23 \pm 0.01
10	0.99 \pm 0.03	0.39 \pm 0.01	0.60 \pm 0.02	0.24 \pm 0.01	0.40 \pm 0.09	0.28 \pm 0.06	0.40 \pm 0.03	0.23 \pm 0.02
25	1.01 \pm 0.04	0.37 \pm 0.01	0.51 \pm 0.01	0.20 \pm 0.04	0.41 \pm 0.02	0.18 \pm 0.01	0.36 \pm 0.01	0.19 \pm 0.02
50	0.55 \pm 0.02	0.09 \pm 0.01	0.36 \pm 0.03	0.18 \pm 0.02	0.32 \pm 0.06	0.12 \pm 0.02	0.29 \pm 0.01	0.12 \pm 0.01
100	0.34 \pm 0.02	0.08 \pm 0.01	0.26 \pm 0.03	0.14 \pm 0.02	0.24 \pm 0.02	0.16 \pm 0.02	0.26 \pm 0.01	0.15 \pm 0.01

The value shown is mean \pm S.D.

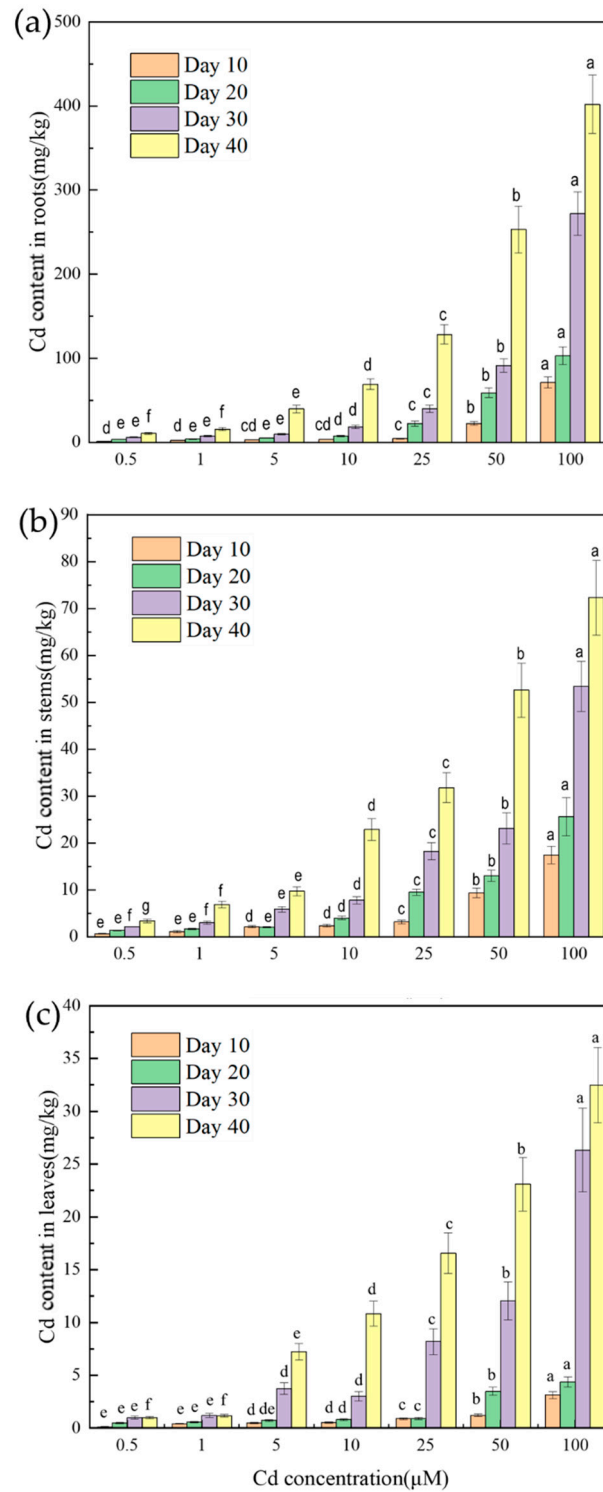


Figure S2. Cd content (Dry weight) of *A. selengensis*, (a): root, (b): stem, (c): leaf. The results are means \pm SD ($n = 3$), Lower letters mean significant differences ($p < 0.05$) between different Cd concentrations at the same treatment time.