

Supplementary material

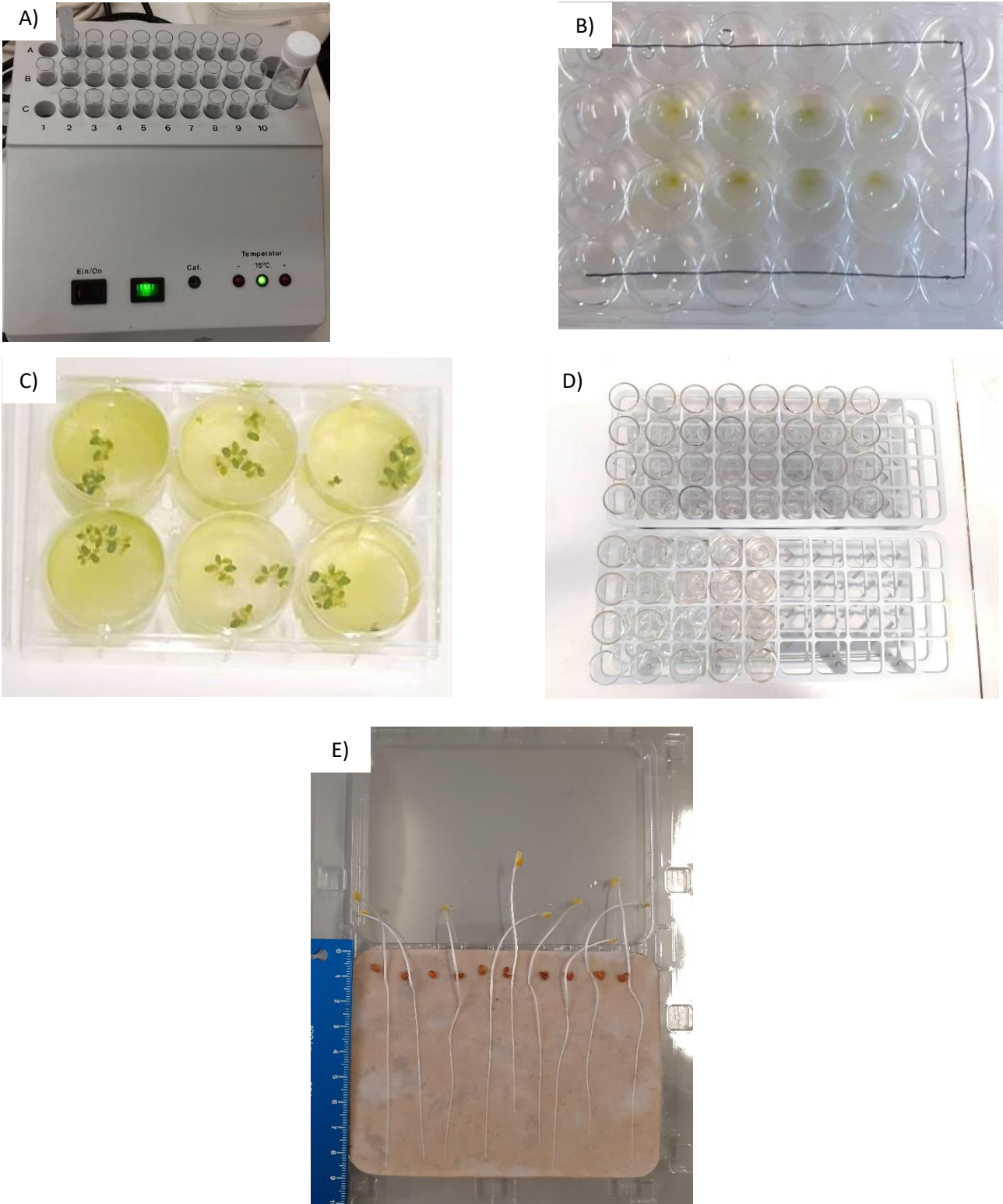


Figure S 1. Test apparatus for A) bacteria *Aliivibrio fischeri*; B) microalgae *Raphidocelis subcapitata*; C) macrophyte *Lemna minor*; D) daphnids *Daphnia magna*; E) plant *Lepidium sativum*.

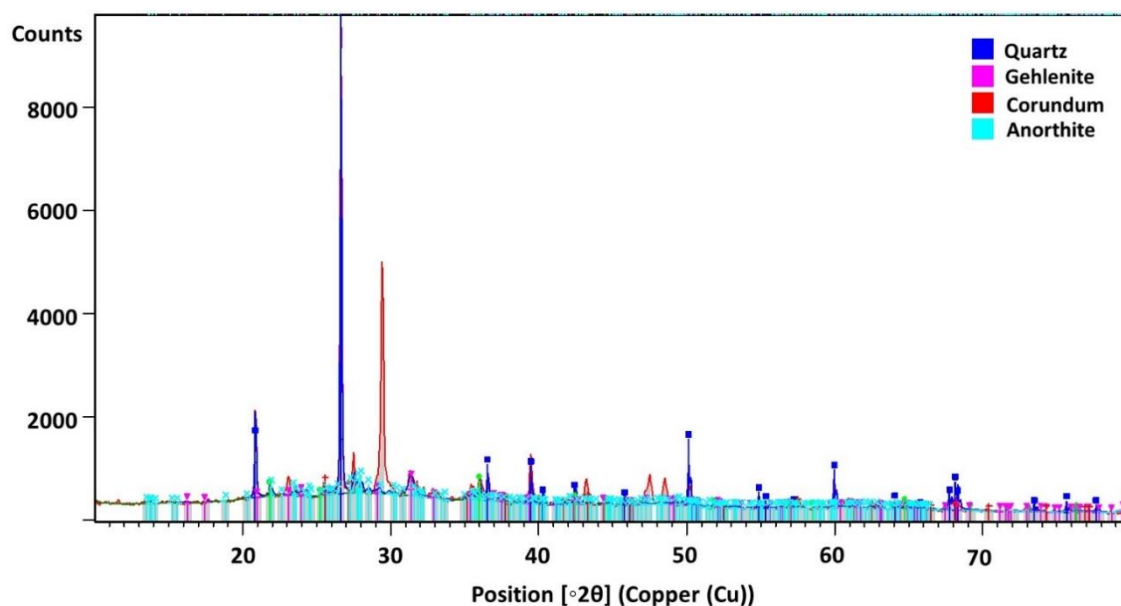


Figure S 2. Diffractogram obtained for IBA through XRD.

Table S 1. pH and EC (mS/cm) measured in solutions tested with *A. fischeri*, *R. subcapitata*, *L. minor*, *D. magna*, and *L. sativum*.

Eluate concentration (%v/v)	<i>A. fischeri</i>			<i>R. subcapitata</i>		<i>L. minor/D. magna</i>		<i>L. sativum</i>	
	EC ^a	EC ^b	pH	EC	pH	EC	pH	EC	pH
3.125	0.11	35.2	6.32	0.12	6.49	0.11	6.40	0.11	6.75
6.25	0.21	35.1	6.65	0.21	6.72	0.22	6.65	0.22	7.08
12.5	0.41	36.6	6.98	0.42	7.08	0.41	6.82	0.40	7.33
25	0.73	35.3	7.4	0.79	7.39	0.78	7.08	0.75	7.67
50	1.41	35.3	7.96	1.47	7.67	1.50	7.38	1.49	7.95
100	2.62	35.8	8.15	2.69	7.90	2.81	7.68	2.74	8.24

^a Before osmotic adjustment; ^b After osmotic adjustment