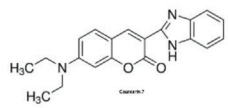
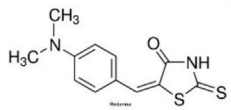
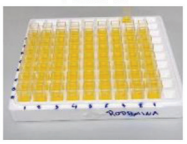
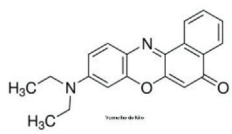
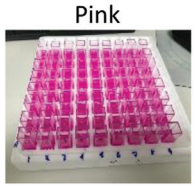
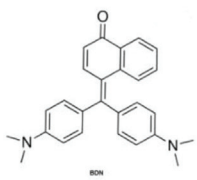
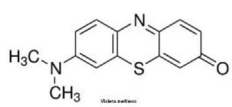
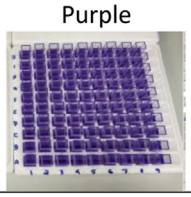
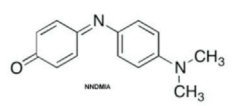
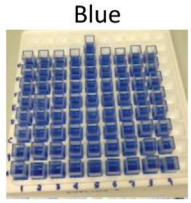
Supplementary file 1. Standard solvatochromic dyes, chemical features, and respective working concentrations.

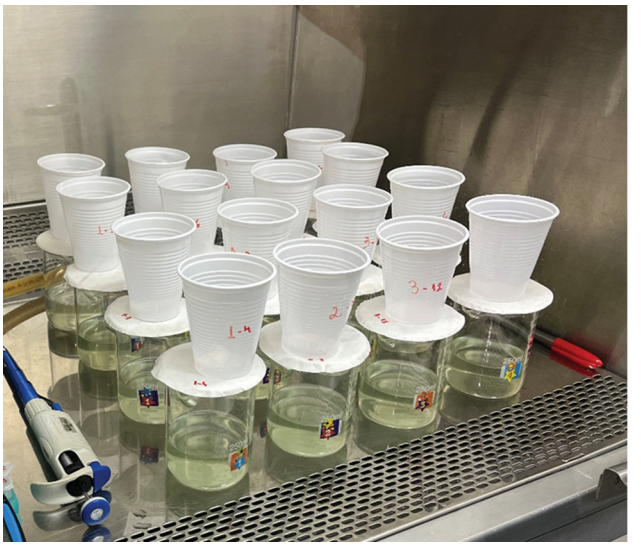
Dye	Chemical structure	Color in absolute ethanol	Standard Molarity
COUMARIN 7 3-(2-BENZIMIDAZOLYL)-7-(DIETHYLAMINO)COUMARIN **CAS Number 27425-55-4** $C_{20}H_{19}N_3O_2$	 (https://www.sigmaaldrich.com/BR/pt/product/aldrich/416541)	Fluorescent green/yellow 	25 µM
RHODANINE 5-(4-DIMETHYLAMINOBENZYLIDENE) RHODANINE **CAS Number: 536-17-4** $C_{12}H_{12}N_2OS_2$	 (https://www.sigmaaldrich.com/BR/pt/product/aldrich/114588)	Yellow 	50 µM
NILE RED NILE BLUE A OXAZONE **CAS Number: 7385-67-3** $C_{20}H_{18}N_2O_2$	 (https://www.sigmaaldrich.com/BR/pt/product/sigma/19123)	Pink 	20 µM
BDN (+) 4-(BIS-(4-(DIMETHYLAMINE) PHENIL) METHYLENE) -1(4H) -NAFTALENONE **CAS Number: not available** $C_{27}H_{26}N_2O$	 (https://www.sigmaaldrich.com/BR/pt/product/sigma/19123)	Purple/deep blue 	80 µM
VM METHYLENE VIOLET (BERNTHSEN) **CAS Number: 2516-05-4** $C_{14}H_{12}N_2OS$	 (https://www.sigmaaldrich.com/BR/pt/product/aldrich/s873705)	Purple 	50 µM
N, N-DIMETHYLINDOANILINE **(NN-DMIA)** 4-[[4-(Dimethylamine) phenyl] luminol]-2,5-cyclohexadien-1-one **CAS Number: 2150-58-5** $C_{14}H_{14}N_2O$	 (https://www.sigmaaldrich.com/BR/pt/product/sial/216313)	Blue 	25 µM

Supplementary file 2

Previous treatment of the samples with a 2,400 Gauss static unidirectional magnetic field generated by a neodymium magnet to evaluate the interaction with solvatochromic dyes. The beaker is placed on the positive pole of the magnet.

Supplementary file 3

Experimental set-up with 16 beakers containing cyanobacteria cultures was placed in a laminar flow cabinet with steel walls to be periodically evaluated by means of physicochemical parameters. They were covered with filter paper, and a plastic cup was used for each sample to wash the sensor between two measurements.



Supplementary file 4

(A) Screening of potencies used in *Artemia franciscana* cultures:

Screening of homeopathic potencies and the respective controls for selection according to nauplii vitality (living nauplii/cyst ratio) and lethality (dead nauplii/cyst ratio), and cyst hatching ratio after the exposure to the extract 5 of *R. raciborskii* containing 2.5 µg/L of saxitoxin ($N = 6{,}594$ cysts). The selected potencies are **bold**.

Potencies	Live/cyst ratio	Dead/cyst ratio	Hatching ratio
Baseline	**0.824**	**0.006**	**0.828**
Water	0.744	0.014	0.754
Succussed water	0.775	0.006	0.779
Hydrochloric acid 1cH	0.709	0.006	0.714
Isotherapic 6cH	0.717	0.037	0.743
Isotherapic 30cH	0.732	0.011	0.740
Isotherapic 200cH	**0.809**	**0.000**	**0.809**
Mercurius solubilis 6cH	0.742	0.005	0.746
Mercurius solubilis 30cH	0.675	0.010	0.682
Mercurius solubilis 200cH	0.742	0.024	0.760
Nitric acidum 6cH	**0.671**	**0.006**	**0.675**
*Nitric acidu*m 30cH	0.728	0.017	0.740
Nitric acidum 200cH	0.686	0.008	0.691
Phosphoric acidum 6cH	0.707	0.006	0.711
Phosphoric acidum 30cH	0.734	0.005	0.738
Phosphoric acidum 200cH	0.737	0.016	0.748
Plumbum met 6cH	**0.725**	**0.000**	**0.725**
Plumbum met 30cH	0.688	0.019	0.701
Plumbum met 200cH	0.782	0.039	0.813
Sulphur 6cH	0.751	0.030	0.773
Sulphur 30cH	0.712	0.024	0.729
Sulphur 200cH	0.767	0.037	0.795
Zincum met 6cH	0.742	0.005	0.746
Zincum met 30cH	0.714	0.035	0.739
Zincum met 200cH	0.721	0.013	0.730

Observation: Isotherapic 200cH was chosen for presenting the highest level of vitality and no death, *Nitric acidum* 6cH was chosen for presenting the lowest hatching ratio, and *Plumbum metallicum* 6cH was chosen for presenting no death.

(B) Screening of potencies used in *R. raciborskii* cultures:

Screening of homeopathic potencies and the respective controls according to the growth limiting of *R. raciborskii* cultures. The numbers of filaments per milliliter were used as cyanobacteria growth parameters. Data are represented as the mean of each sample in triplicate. $N = 69$ cultures. The selected potencies are shown in **red**.

Treatments / experimental days	1	3	6	8	10	13	15	17	20	21	24
Baseline	11.67	38.67	82.33	45.67	25.67	102.33	96.33	107.00	107.67	25.67	25.00
Succussed water	14.00	27.67	42.00	32.67	14.67	167.67	67.00	40.67	11.00	8.67	10.33
Isotherapic 6cH	22.33	32.33	48.33	24.67	9.33	66.33	15.00	3.33	4.00	4.33	1.67
Isotherapic 30cH	11.67	18.33	40.67	32.00	13.33	52.67	13.67	13.00	12.00	1.33	6.00
Isotherapic 200cH	39.67	38.33	109.33	57.67	12.67	74.67	99.33	14.33	16.33	9.67	4.33
Mercurius solubilis 6cH	26.00	34.67	51.33	15.67	7.67	70.00	13.00	23.33	6.00	2.67	4.00
Mercurius solubilis 30cH	15.00	19.33	28.33	24.33	9.67	17.00	11.00	10.00	15.33	9.00	8.33
Mercurius solubilis 200cH	12.00	63.33	132.67	30.33	6.67	131.00	34.33	31.33	14.67	5.33	4.00
Nitric acidum 6cH	18.67	23.33	34.00	7.33	3.67	92.00	68.33	83.67	38.33	6.67	6.67
Nitric acidum 30cH	15.67	25.33	47.00	26.67	10.67	82.33	17.00	10.00	34.67	8.67	13.33
Nitric acidum 200cH	19.33	10.00	17.33	13.00	8.00	19.33	5.33	3.33	4.67	1.00	4.33
Phosph acid 6cH	16.33	109.67	215.00	10.67	7.67	81.33	46.33	52.67	16.33	6.67	8.00
Phosph acid 30cH	18.00	34.67	54.67	11.67	9.67	74.67	17.67	18.33	39.00	50.33	42.33
Phosph acid 200cH	17.67	40.67	98.00	13.33	12.33	43.67	25.67	21.00	40.33	42.33	36.00
Plumbum met 6cH	22.33	22.67	21.00	16.33	6.67	114.00	20.33	18.67	20.00	9.67	11.00
Plumbum met 30cH	55.67	36.33	30.67	50.00	5.33	64.00	14.33	7.67	9.00	8.67	7.33
Plumbum met 200cH	15.67	27.00	44.00	25.67	17.33	46.33	40.00	38.00	43.33	37.33	40.33
Sulphur 6cH	13.00	26.00	28.33	40.33	13.00	68.00	21.67	8.33	18.33	3.33	7.33
Sulphur 30cH	11.67	35.67	57.00	48.67	16.67	84.00	20.67	14.33	8.00	2.67	3.67
Sulphur 200cH	15.00	17.00	37.33	26.00	10.67	59.33	24.00	5.67	2.00	0.33	2.33
Zincum met 6cH	18.67	21.33	30.33	42.67	19.33	95.33	66.67	25.33	2.00	4.33	5.33
Zincum met 30cH	23.33	22.00	20.67	11.33	36.33	72.33	18.00	30.33	39.67	26.00	22.33
Zincum met 200cH	13.67	18.33	38.00	17.00	8.67	73.33	11.00	3.67	17.00	12.00	8.67

Observation: *Mercurius solubilis* 30cH and *Nitric acidum* 200cH presented a stable and low filament concentration during the whole experimental period.

Supplementary file 5

Number of *R. raciborskii* filaments in ASM-1, before and after the treatment with homeopathic potencies. Arrow indicates the treatment day. Details are described in reference 1.