

Supplementary Information

Table S1. The remaining Zn^{2+} concentration in the supernatants of the algae solution.

Initial Zn^{2+} concentration (mg/L)	The remaining Zn^{2+} concentration (mg/L)		
	<i>Anabaena</i> sp.	<i>Anabaena</i> sp./ TiO_2 (1.0 mg/L)	<i>Anabaena</i> sp./ TiO_2 (10.0 mg/L)
0.1	0.048	0.045	0.044
0.3	0.126	0.093	0.085
0.5	0.249	0.198	0.188
0.7	0.410	0.341	0.222
1.0	0.538	0.440	0.331

Table S2. Compounds and their concentrations in the BG-11 culture medium.

Component	Amount (mL)	Stock solution (g/L)
NaNO_3	100	15.0
K_2HPO_4	10	4.0
$\text{MgSO}_4 \cdot 7\text{H}_2\text{O}$	10	7.5
$\text{CaCl}_2 \cdot 2\text{H}_2\text{O}$	10	3.6
Citric acid	10	0.6
Ferric ammonium citrate	10	0.6
EDTANa_2	10	0.1
Na_2CO_3	10	2.0
		H_3BO_3 2.86
		$\text{MnCl}_2 \cdot 4\text{H}_2\text{O}$ 1.86
		$\text{ZnSO}_4 \cdot 7\text{H}_2\text{O}$ 0.22
		$\text{Na}_2\text{MoO}_4 \cdot 2\text{H}_2\text{O}$ 0.39
		$\text{CuSO}_4 \cdot 5\text{H}_2\text{O}$ 0.08
		$\text{Co}(\text{NO}_3)_2 \cdot 6\text{H}_2\text{O}$ 0.05
Trace metal solution	1	

Figure S1. The settling characteristics of the different concentrations nano- TiO_2 with time.

