

Supporting Materials

Table S1 The composition of trace element solution.

Composition	Concentration (mg/L)	Composition	Concentration (mg/L)
FeCl ₃ ·6H ₂ O	1500	MnCl ₂ ·4H ₂ O	120
H ₃ BO ₃	150	Na ₂ MoO ₄ ·2H ₂ O	60
CuSO ₄ ·5H ₂ O	30	ZnSO ₄ ·7H ₂ O	120
KI	180	CoCl ₂ ·6H ₂ O	150

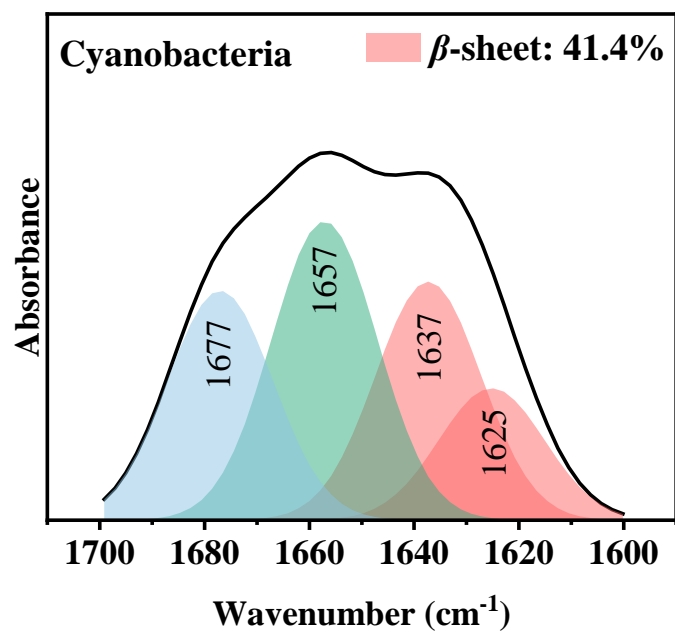


Fig. S1 Deconvolution results of CGP amide I bands cyanobacteria.

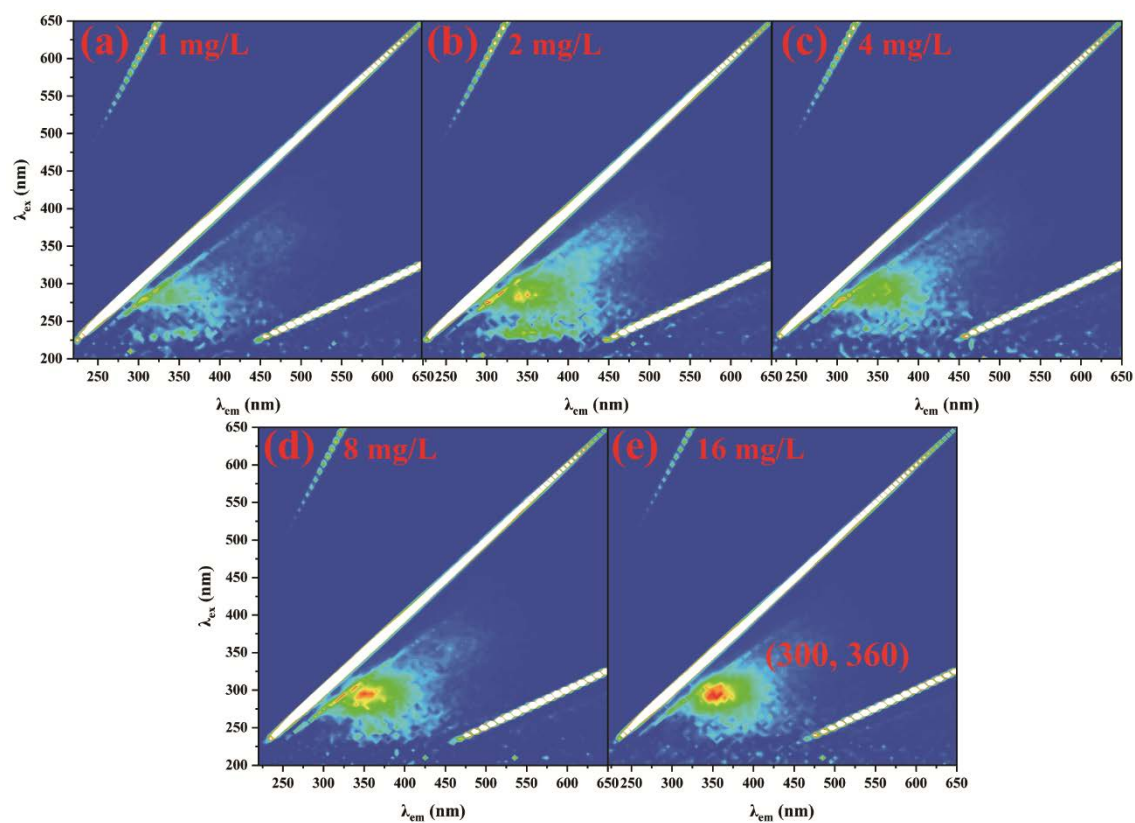


Fig. S2 EEM fluorescence spectra of arginine solutions with different concentrations. (a) 1 mg/L; (b) 2 mg/L; (c) 4 mg/L; (d) 8 mg/L; (e) 16 mg/L.