

Supplementary Materials: The Individual and Combined Effects of the Cyanotoxins, Anatoxin-a and Microcystin-LR, on the Growth, Toxin Production, and Nitrogen Fixation of Prokaryotic and Eukaryotic Algae

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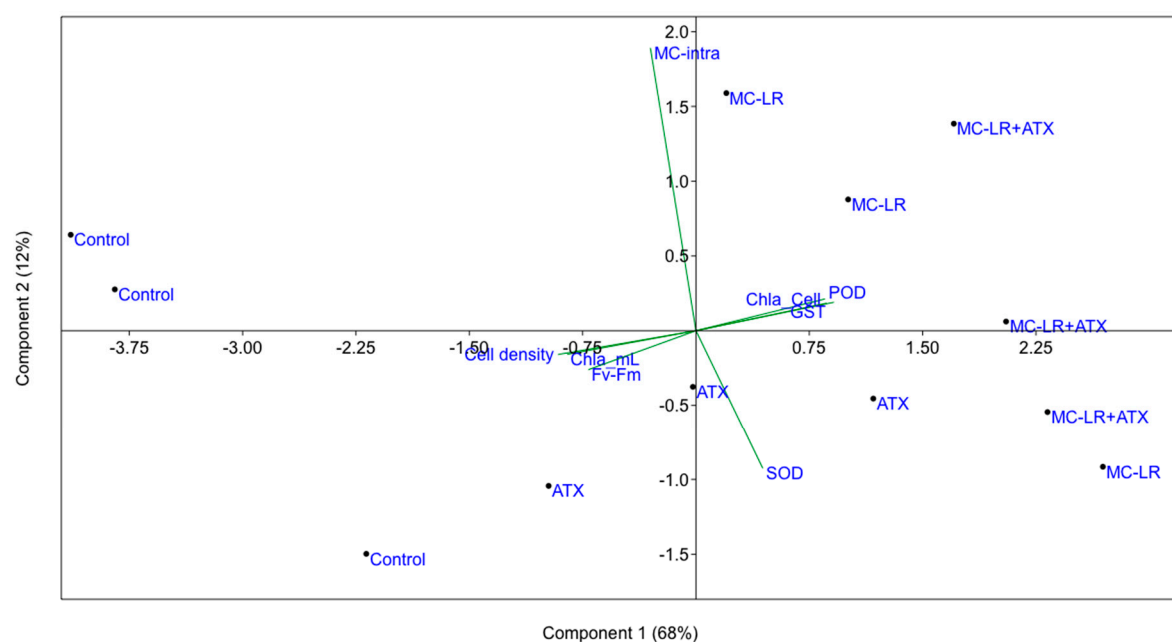


Figure S1. PCA biplot showing the relationship between the physiological responses of *Microcystis aeruginosa* LE-3 to different anatoxin-a (ATX) and microcystin-LR (MC-LR) treatments. SOD = Superoxide dismutase activity, POD = peroxidase activity, GST = Glutathione S-transferase activity, Chla-Cell = Chlorophyll content per cell, Chla-mL = Chlorophyll content per mL, Fv/Fm = maximum quantum efficiency of photosystem II.

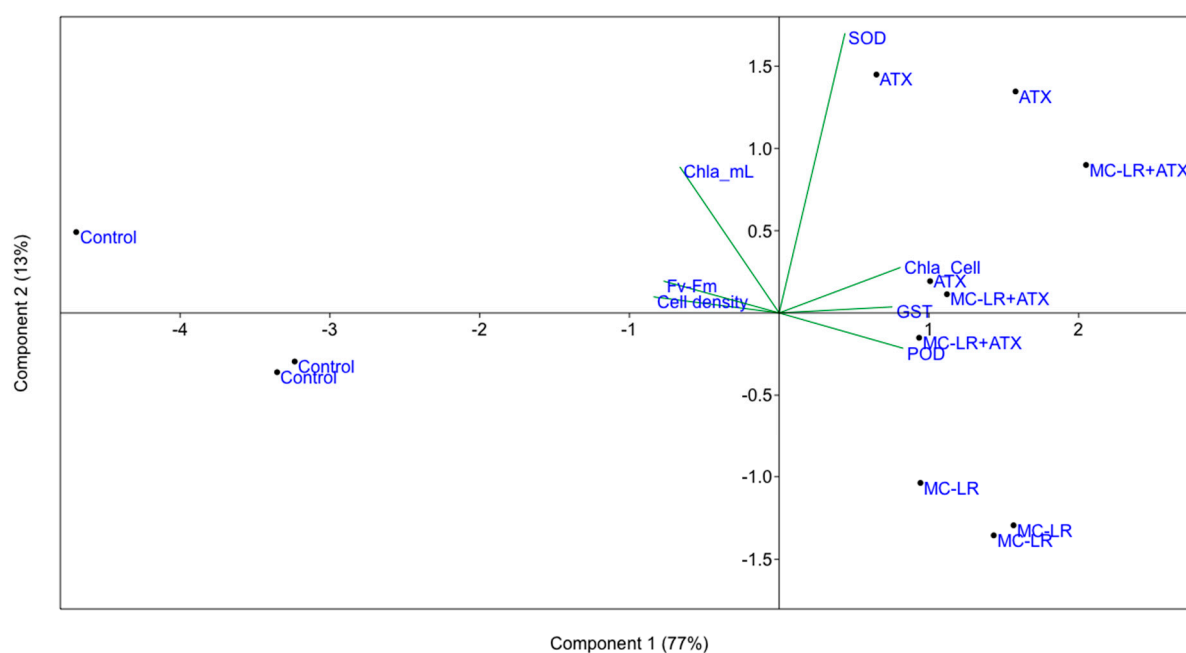


Figure S2. PCA biplot showing the relationship between the physiological responses of *Microcystis* sp. SR as a function of different anatoxin-a (ATX) and microcystin-LR (MC-LR) treatments. SOD = Superoxide dismutase activity, POD = peroxidase activity, GST = Glutathione S-transferase activity, Chla-Cell = Chlorophyll content per cell, Chla-mL = Chlorophyll content per mL, Fv/Fm = maximum quantum efficiency of photosystem II.

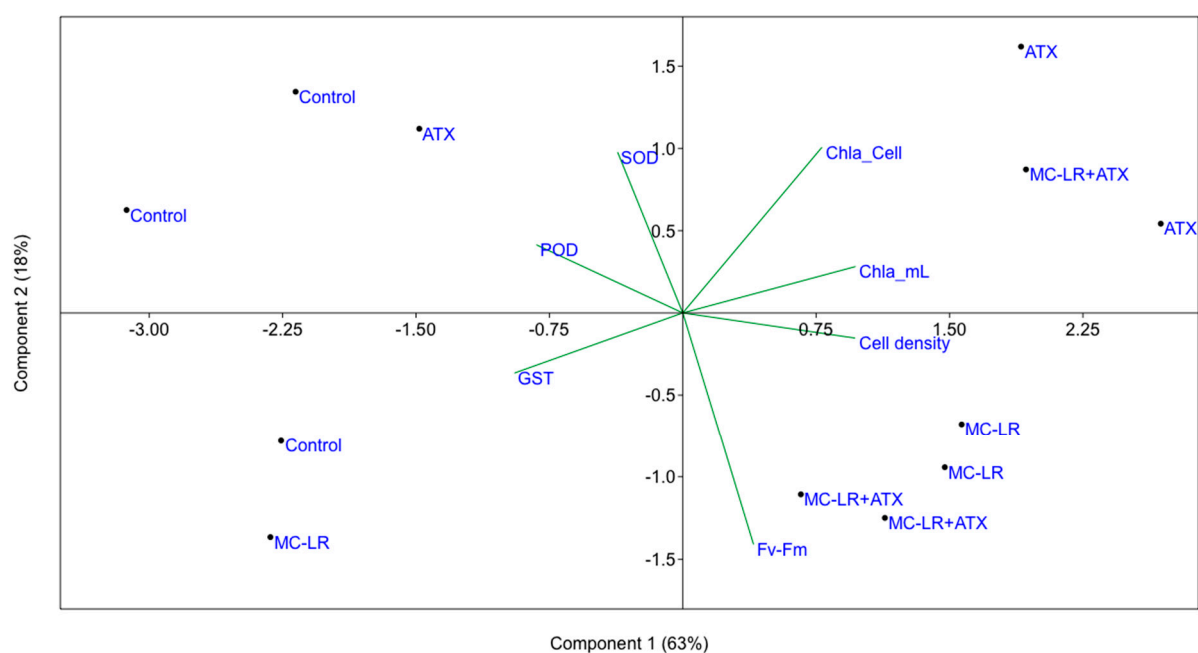


Figure S3. PCA biplot showing the relationship between the physiological responses of *Selenastrum capricornutum* to different anatoxin-a (ATX) and microcystin-LR (MC-LR) treatments. SOD = Superoxide dismutase activity, POD = peroxidase activity, GST = Glutathione S-transferase activity, Chla-Cell = Chlorophyll content per cell, Chla-mL = Chlorophyll content per mL, Fv/Fm = maximum quantum efficiency of photosystem II.

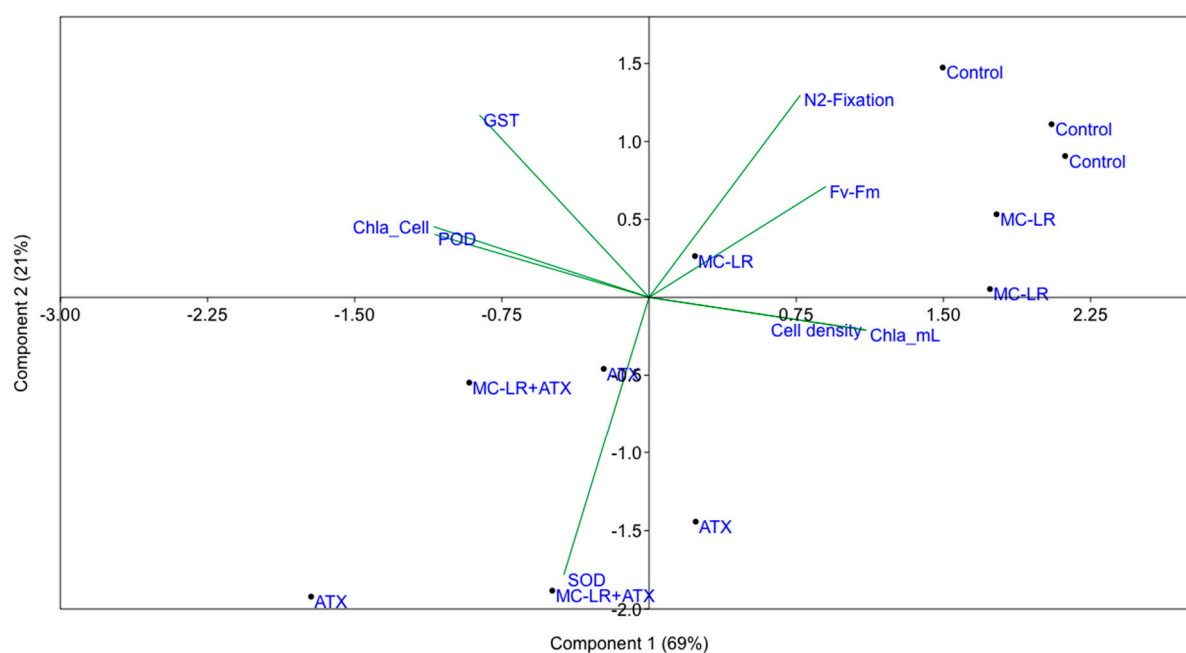


Figure S4. PCA biplot showing the relationship between the physiological responses of *Anabaena variabilis* UTEX B377 during exposure to different anatoxin-a (ATX) and microcystin-LR (MC-LR) treatments. SOD = Superoxide dismutase activity, POD = peroxidase activity, GST = Glutathione S-transferase activity, Chla-Cell = Chlorophyll content per cell, Chla-mL = Chlorophyll content per mL, Fv/Fm = maximum quantum efficiency of photosystem II.