

**Changes in cyanobacterial density due to application of Artificial Floating Island model with macrophytes: an experimental case study in a tropical reservoir**

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**Tab. 1.** Comparison of Control vs AFIs and comparison of AFI-P vs AFI-S. Values of  $p$  according to the statistical analysis of two-way ANOVA with repeated measures, applying a Dunnett's multiple comparison test with  $\alpha$  of 0.05.

Parameter	ANOVA (p value)											
	Control vs.											
	AFI-P				AFI-S				AFI-P vs AFI-S			
	C-I		C-II		C-I		C-II		C-I		C-II	
	DS	RS	DS	RS	DS	RS	DS	RS	DS	RS	DS	RS
Nitrate	0.99	0.05	0.03	0.81	0.02	0.96	0.02	0.54	0.09	0.21	0.81	0.54
Phosphate	0.03	0.68	>0.99	0.03	>0.99	0.90	0.03	0.68	0.01	0.37	0.20	0.62
pH	0.05	0.10	0.63	<0.01	0.01	0.01	0.89	<0.01	0.70	0.03	0.05	0.48
Temperature	0.99	0.88	0.49	0.77	0.96	0.73	0.99	0.15	0.98	0.63	0.67	0.12
Turbidity	>0.99	>0.99	>0.99	0.88	>0.99	>0.99	>0.99	0.98	0.99	>0.99	0.99	0.94
Diatom	0.24	0.91	0.92	0.67	0.26	0.85	0.98	0.95	>0.99	0.99	0.98	0.49
Cyanobacteria	0.30	0.98	0.99	0.94	0.43	0.84	0.99	0.65	0.97	0.92	0.98	0.46
Transparency	0.84	0.42	0.43	0.26	0.02	0.98	0.19	0.22	<0.01	0.52	0.02	0.99
Phycocyanin	0.97	0.99	0.57	0.02	>0.99	0.96	0.80	0.62	0.97	0.95	0.92	0.10
E-MC	0.97	0.04	0.50	<0.01	0.96	0.04	0.97	0.03	0.99	0.97	0.62	0.11
I-MC	0.47	0.84	<0.01	0.71	0.35	0.96	0.01	<0.01	0.97	0.96	0.68	<0.01
Total MC	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
<i>P. agardhii</i>	0.99	0.93	0.92	0.94	0.99	0.04	>0.99	0.76	>0.99	0.04	0.92	0.93
<i>P. mucicola</i>	0.47	<0.01	0.99	0.99	0.72	<0.01	0.81	0.99	0.90	<0.01	0.83	>0.99
<i>A. plantonica</i>	0.99	0.35	0.95	0.95	0.98	0.04	0.37	>0.99	>0.99	0.56	0.41	0.94
<i>A. yezoense</i>	0.67	0.66	0.40	0.87	0.04	0.82	0.04	0.95	0.05	0.33	0.37	0.97
<i>M. aeruginosa</i>	0.05	0.05	>0.99	<0.01	0.99	0.95	0.99	0.01	0.52	0.48	0.99	0.01