

Table 11 Water Quality Analysis

Treatments	Dissolved Oxygen (mg/l)	pH	Temperature (^o C)	Ammonia (mg/l)	Nitrate (mg/l)
Initial	4.80±0.02	7.40±0.03	23.8±0.04	0.00±0.00	0.00±0.00
S0P0	2.15±0.07 ^a	7.44±0.01 ^{abcdef}	23.55±0.07 ^{ab}	9.39±0.03 ^r	33.11±0.18 ⁱ
S1P0	3.85±0.07 ^{jk}	7.45±0.00 ^{bcdef}	23.50±0.28 ^a	4.31±0.01 ^m	1.70±0.01 ^b
S1P1	3.75±0.07 ^{ij}	7.43±0.00 ^{abcdef}	23.80±0.00 ^{bcd}	1.83±0.01 ^h	1.23±0.01 ^a
S1P2	3.45±0.07 ^{fg}	7.38±0.03 ^a	23.85±0.07 ^{cde}	1.59±0.01 ^g	2.65±0.03 ^f
S1P3	3.35±0.07 ^{ef}	7.48±0.07 ^f	24.30±0.14 ^{gh}	1.05±0.01 ^e	2.30±0.01 ^e
S1P4	3.95±0.07 ^k	7.39±0.01 ^{ab}	24.50±0.00 ^{hi}	6.14±0.01 ^o	40.85±0.05 ^o
S2P0	3.85±0.07 ^{jk}	7.44±0.01 ^{abcdef}	23.40±0.00 ^a	4.47±0.01 ⁿ	3.46±0.01 ^{gh}
S2P1	3.55±0.07 ^{gh}	7.43±0.04 ^{abcdef}	23.65±0.35 ^{abc}	2.74±0.01 ^l	34.18±0.38 ^l
S2P2	3.65±0.07 ^{hi}	7.42±0.01 ^{abcdef}	23.95±0.07 ^{def}	9.70±0.02 ^s	35.83±0.02 ^m
S2P3	3.05±0.07 ^c	7.40±0.03 ^{abcd}	24.50±0.00 ^{hi}	6.14±0.01 ^o	2.25±0.01 ^{de}
S2P4	3.15±0.07 ^{cd}	7.41±0.04 ^{abcde}	24.30±0.00 ^{gh}	0.34±0.01 ^a	37.56±0.03 ⁿ
S3P0	2.15±0.07 ^a	7.40±0.00 ^{abcd}	23.45±0.07 ^a	7.39±0.01 ^p	33.75±0.01 ^k
S3P1	3.25±0.07 ^{de}	7.42±0.02 ^{abcde}	23.90±0.00 ^{cdef}	0.82±0.01 ^c	3.72±0.01 ⁱ
S3P2	3.95±0.07 ^k	7.39±0.03 ^{abc}	24.10±0.00 ^{efg}	1.45±0.01 ^f	3.28±0.04 ^g
S3P3	3.95±0.07 ^k	7.40±0.03 ^{abcd}	24.55±0.07 ^{hi}	2.05±0.01 ⁱ	3.60±0.02 ^{hi}
S3P4	3.25±0.07 ^{de}	7.42±0.01 ^{abcde}	24.15±0.07 ^{fg}	2.44±0.01 ^k	1.78±0.01 ^b
S4P0	2.65±0.07 ^b	7.45±0.00 ^{cdef}	23.80±0.00 ^{bcd}	2.20±0.01 ^j	1.84±0.01 ^b
S4P1	3.65±0.07 ^{hi}	7.45±0.00 ^{cdef}	23.80±0.00 ^{bcd}	0.78±0.01 ^b	2.09±0.01 ^{cd}
S4P2	3.25±0.07 ^{de}	7.46±0.01 ^{def}	24.10±0.00 ^{efg}	0.88±0.02 ^d	1.70±0.01 ^b
S4P3	3.55±0.07 ^{gh}	7.47±0.04 ^{ef}	24.60±0.00 ⁱ	0.76±0.01 ^b	2.05±0.01 ^c
S4P4	3.15±0.07 ^{cd}	7.44±0.01 ^{abcdef}	24.05±0.07 ^{defg}	8.55±0.01 ^q	1.25±0.01 ^a
Sig	P<0.05	P<0.05	P<0.05	P<0.05	P<0.05

Note: Means with the same superscript in the same column are not significant (P<0.05). n=2