Table 1.Profile of common carp erythrocytes during the study.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameter | Experimental treatment | | | |
| TO | T1 | T2 | T3 |
| 30 days cultivation | | | | |
| Total of erythrocytes  (x106 cell/mm3) | 1.44±0.01a | 1.61±0.07b | 1.82±0.02d | 1.75±0.02c |
| Hemoglobin (g/dL) | 6.53±0.11a | 7.93±0.11b | 8.53±0.11c | 8.13±0.11b |
| Hematocrit (%) | 30.33±0.58a | 31.67±0.58b | 35.67±0.58d | 33.67±0.58c |
| 60 days cultivation | | | | |
| Total of erythrocytes  (x106 cell/mm3) | 1,61±0,06a | 1,78±0,03b | 1,97±0,03c | 1,86±0,02b |
| Hemoglobin (g/dL) | 7,27±0,31a | 8,27±0,31b | 9,20±0,20c | 8,40±0,20b |
| Hematocrit (%) | 33,33±0,58a | 36,00±1,00b | 39,67±0,58d | 38,33±0,58c |

Note: The superscript on the same line shows that there is a statistically significant effect between treatments (P<0.05); T0 (experimental control), T1 (mango leaves), T2 (guava leaves), T3 (noni leaves).

Table 2.Profiles of common carp leukocyte.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameter | Experimental treatments | | | |
| T0 | T1 | T2 | T3 |
| 30 days cultivation | | | | |
| Total of leukocytes (x104 cell/mm3) | 3.03±0.02a | 3.13±0.03b | 3.21±0.01c | 3.18±0.01c |
| Phagocytosis index (%) | 17.67±0.58a | 20.67±0.58b | 21.33±0.58b | 22.67±0.58c |
| Lymphocytes (%) | 77.67±0.58a | 79.33±0.58b | 83.33±0.58d | 81.00±1.00c |
| Monocytes (%) | 12.67±0.58c | 11.33±0.58b | 9.33±0.58a | 9.67±0.58a |
| Neutrophil (%) | 9.67±0.58b | 9.33±0.58b | 7.33±0.58a | 9.33±0.58b |
| 30 days cultivation | | | | |
| Total leukocytes (x104 cell/mm3) | 3.41±0.06a | 3.70±0.02b | 3.87±0.03c | 3.85±0.03c |
| Phagocytosis index (%) | 18.33±0.58a | 23.00±1.00b | 27.00±1.00c | 27.00±1.00c |
| Lymphocytes (%) | 78.33±0.58a | 80.33±0.58b | 84.33±0.58c | 83.67±0.58c |
| Monocytes (%) | 12.33±0.58c | 10.67±0.58b | 8.00±1.00a | 8.67±0.58a |
| Neutrophil (%) | 9.33±0.58b | 9.00±1.00ab | 7.67±0.58a | 7.67±0.58a |

Note: The superscript on the same line shows that there is a statistically significant effect between treatments (P<0.05); T0 (experimental control), T1 (mango leaves), T2 (guava leaves), T3 (noni leaves)

Table 3. Blood glucose levels and survival rate of common carp.

|  |  |  |  |
| --- | --- | --- | --- |
| Experimental treatments | Blood glucose levels (mg/dL) | | Survival rate (%) |
| 30 days | 60 days | 60 days |
| T0 | 57,67±3,51a | 70,67±7,02a | 91.67±1,53a |
| T1 | 81,67±1,15b | 110,00±8,00b | 94.33±0,58b |
| T2 | 81,67±1,53b | 104,00±6,08b | 95.67±0,58b |
| T3 | 77,33±3,05b | 105,33±3,51b | 95.00±1,00b |

Note: The superscript on the same line shows that there is a statistically significant effect between treatments (P<0.05); T0 (experimental control), T1 (mango leaves), T2 (guava leaves), T3 (noni leaves)