Supplementary table II. Elements of matrix *W2* and vector *B2* (presented in the bias column)

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Denitrification  indicator | Neurons in the hidden layer | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | Bias |
| Biomass production | 80.782 | -3.228 | -80.304 | 0.441 | 0.013 | 2.628 | -0.110 | -0.523 | -0.441 | 0.995 |
| N2 gas production | 126.663 | 210.131 | 39.661 | -337.403 | 186.352 | -217.921 | -181.651 | -142.567 | 345.994 | 3.709 |
| Nitrate concentration | -0.634 | -0.026 | 0.365 | -5.180 | 5.594 | 0.230 | 0.217 | 6.497 | 0.067 | 0.296 |
| Nitrite concentration | -1.417 | 4.722 | 6.283 | -7.079 | 3.392 | -4.732 | -2.010 | 6.514 | -2.400 | 0.006 |
| Nitrite formation | -263.742 | -2.946 | 266.219 | -8.670 | 0.519 | 2.982 | 128.980 | -0.518 | 6.372 | 0.000 |
| Ammonia formation | 3.992 | -0.033 | -3.992 | 0.027 | -0.005 | 0.035 | 0.005 | -0.007 | -0.023 | 0.001 |