Statistical correlations between the explanatory variables, assessed using Spearman’s rank correlation coefficient (rs). Statistically significant correlations (p < 0.05) shown, highly statistically significant dependences (p < 0.001 and S < -0.7 or > 0.7) bolded.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Water**  **temperature** | **pH** | **Salinity** | **Total**  **phosphorus** | **Total**  **nitrogen** | **Dissolved**  **Oxygen** | **Silicon** | **Air**  **temperature** | **Precipitation** | **Latitude** | **Longitude** | **Exposition** |
| **Water**  **temperature** |  | 0.42 | - | 0.33 | - | - | -0.50 | 0.58 | - | -0.66 | - | -0.49 |
| **pH** |  |  | 0.57 | 0.38 | - | - | **-0.82** | **0.71** | -0.42 | **-0.82** | - | -0.55 |
| **Salinity** |  |  |  | 0.66 | - | - | -0.54 | 0.39 | - | -0.63 | -0.57 | - |
| **Total**  **phosphorus** |  |  |  |  | - | - | -0.36 | 0.36 | - | -0.49 | -0.39 | - |
| **Total**  **nitrogen** |  |  |  |  |  | - | - | - | - | - | - | - |
| **Dissolved**  **oxygen** |  |  |  |  |  |  | - | - | - | - | - | - |
| **Silicon** |  |  |  |  |  |  |  | **-0.76** | 0.37 | **0.83** | - | 0.54 |
| **Air**  **temperature** |  |  |  |  |  |  |  |  | - | **0.83** | - | -0.54 |
| **Precipitation** |  |  |  |  |  |  |  |  |  | 0.36 | - | 0.42 |
| **Latitude** |  |  |  |  |  |  |  |  |  |  | - | 0.54 |
| **Longitude** |  |  |  |  |  |  |  |  |  |  |  | - |
| **Exposition** |  |  |  |  |  |  |  |  |  |  |  |  |