



Corrigendum

Corrigendum to “Soil microbial biomass and bacterial diversity in southern European regions vulnerable to desertification” [Ecol. Indic. 145 (2022) 109725]

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The authors regret the incorrect publication of legend for Table 1 and Table 3 in black/white in the original article. The complete legend for Table 1 and Table 3 with colours, indicating degree of significance, are presented below.

Table 1. Summary of the regression testing the effects of SOC, pH, N and CEC on soil microbial biomass (SMB), richness (estimated as observed bacterial OTUs), and diversity (Shannon index) calculated on ARISA profiles and measured as soil extracted dsDNA. R^2 = adjusted fit of the model. Significant p values in bold characters.

Table 3. Spearman correlation coefficients between the relative abundance of the most abundant genera and main soil parameters: cation exchange capacity (CEC), pH, total nitrogen (TN) and soil organic carbon (SOC) obtained in the sampled soils. Only significant correlations (p-value < 0.05) are shown. Blue and red colours indicate negative and positive relationships, respectively, with colour intensity representing the degree of significance (p < 0.05 > 0.01, <0.01 > 0.001 and < 0.001).

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| Phylum | Genera | CEC | pH | TN | SOC |
|---------------------|------------------------------|-------|-------|-------|-------|
| Acidobacteria | Candidatus Koribacter | -0.52 | -0.69 | | |
| | Candidatus Solibacter | -0.46 | -0.78 | | |
| Actinobacteria | Arthrobacter | | 0.66 | | |
| | Mycobacterium | | -0.48 | | |
| | Pseudonocardia | | 0.68 | | |
| | Rubrobacter | 0.48 | 0.84 | | |
| | Streptomyces | -0.55 | | -0.6 | -0.6 |
| Alphaproteobacteria | Balneimonas | | 0.86 | | |
| | Bradyrhizobium | | -0.66 | | |
| | Kaistobacter | | | | -0.54 |
| | Rhodoplanes | | -0.66 | | 0.48 |
| | Skermanella | | 0.88 | | |
| Bacteroidetes | Adhaeribacter | | 0.83 | | |
| | Flavisolibacter | | 0.48 | | |
| | Rhodocytophaga | 0.57 | 0.7 | | |
| Betaproteobacteria | Burkholderia | | -0.82 | | |
| Deltaproteobacteria | Candidatus Entotheonella | 0.63 | 0.84 | | |
| | Geobacter | | | | |
| Firmicutes | Alicyclobacillus | | | | |
| | Ammoniphilus | -0.77 | | | -0.63 |
| | Bacillus | -0.57 | | | -0.71 |
| | Planifilum | | | -0.47 | |
| | Solibacillus | | | | -0.55 |
| | Sporosarcina | -0.51 | | | -0.52 |
| Gammaproteobacteria | Pseudomonas | | 0.62 | | |
| | Steroidobacter | | 0.84 | | |
| Nitrospirae | Nitrospira | | 0.73 | | |
| Verrucomicrobia | Candidatus Xiphinematobacter | | | | |
| | DA101 | -0.57 | -0.51 | | |

The authors would like to apologise for any inconvenience caused.