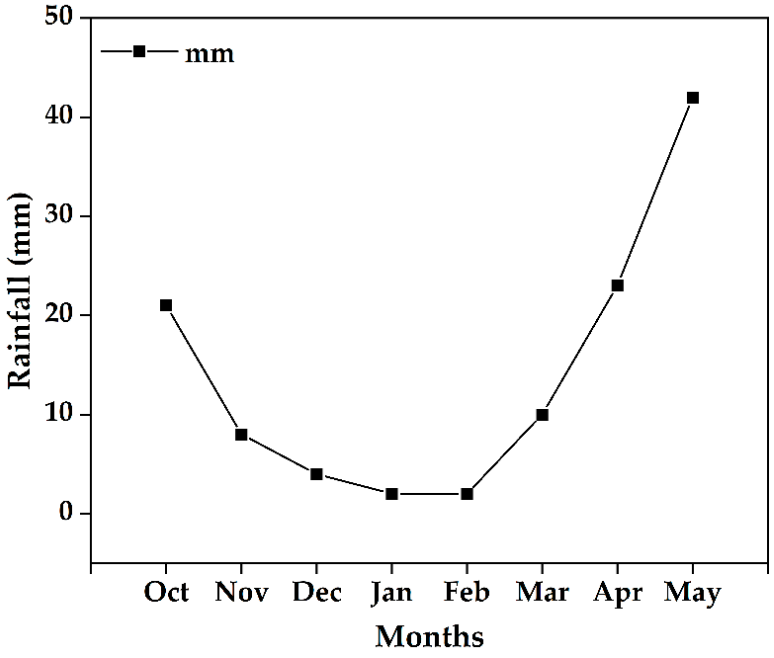

Figure S1. The trends in minimum and maximum seasonal rainfall (mm) from October to May.

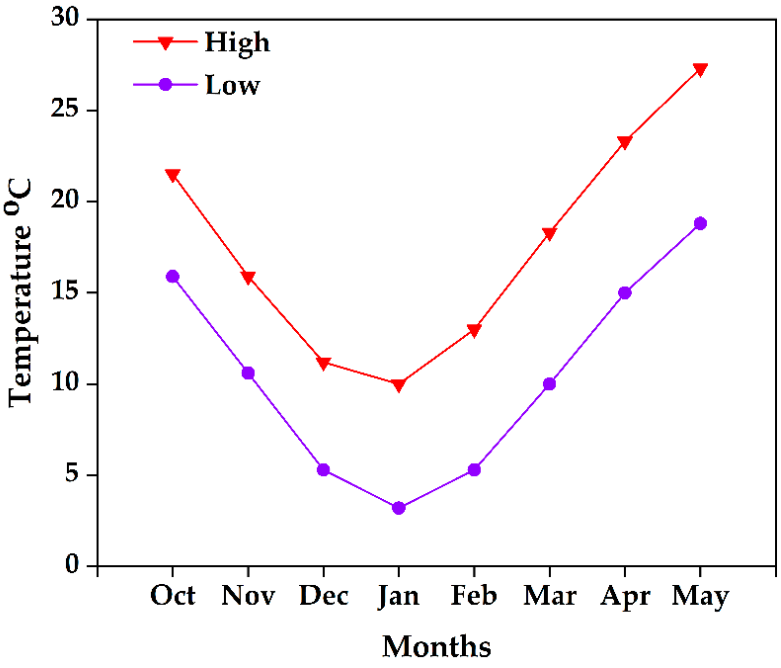

Figure S2. The trends in minimum and maximum seasonal temperature from October to May.

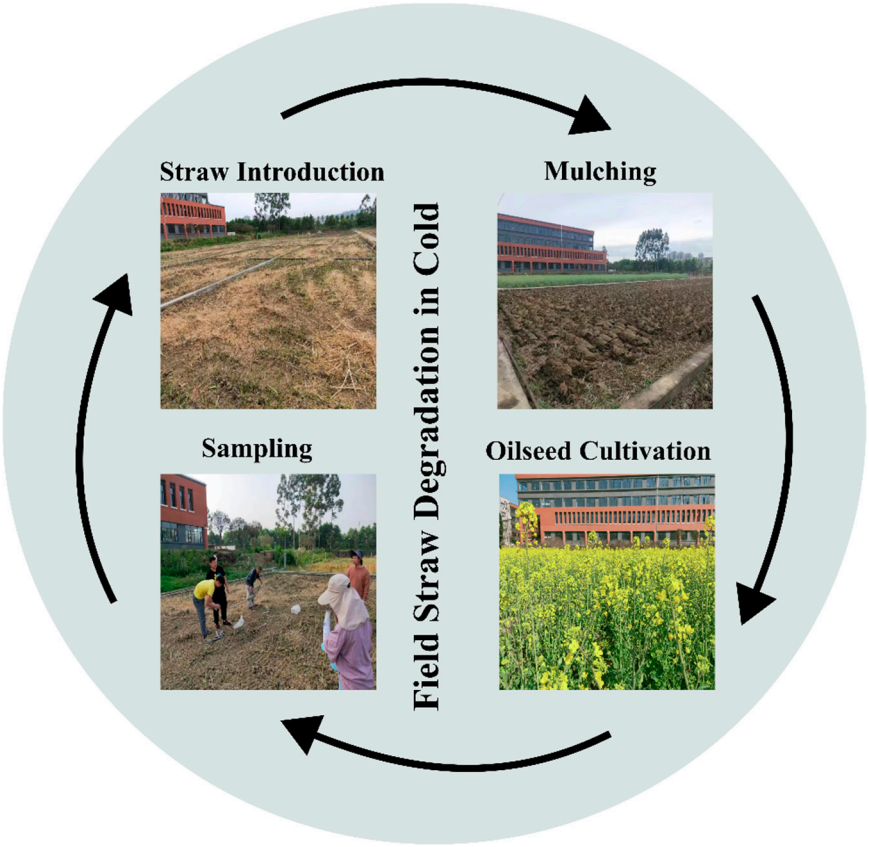

Figure S3. Research design and flow chart of experiments conducted during this study.

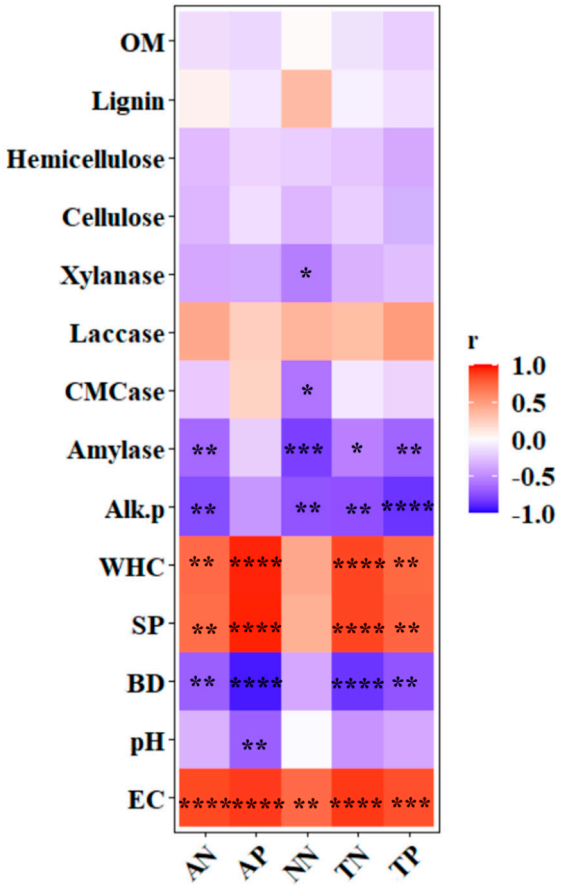

Figure S4. Pearson's correlation analysis between nutrient concentration and soil physiochemical properties. Correlation coefficients are shown in each box. Values with "****", "***", "**", and "*"

means the correlation between two variables are significant at $P < 0.0001$, $P < 0.001$, $P < 0.01$, and $P < 0.05$, respectively, while values without any "*" means no significance between 2 variables found.

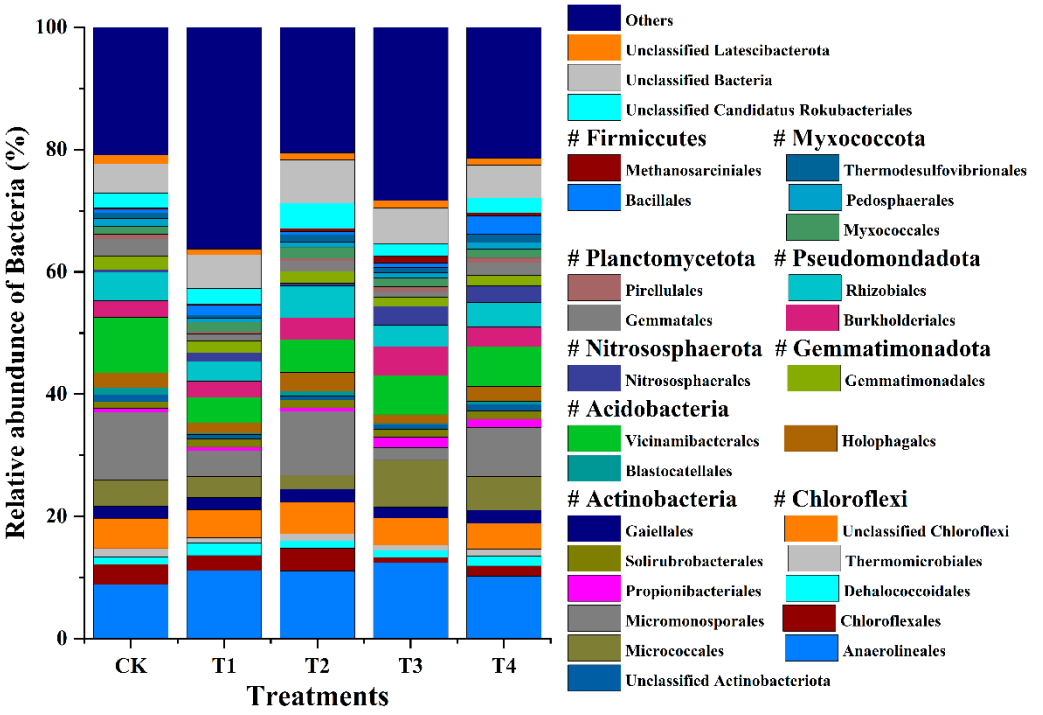

Figure S5. Impact of nitrogen input on the relative abundance of bacterial orders. CK, (N0P0); T1, (N0P90); T2, (N60P90); T3, (N120P90); and T4, (N180P90).