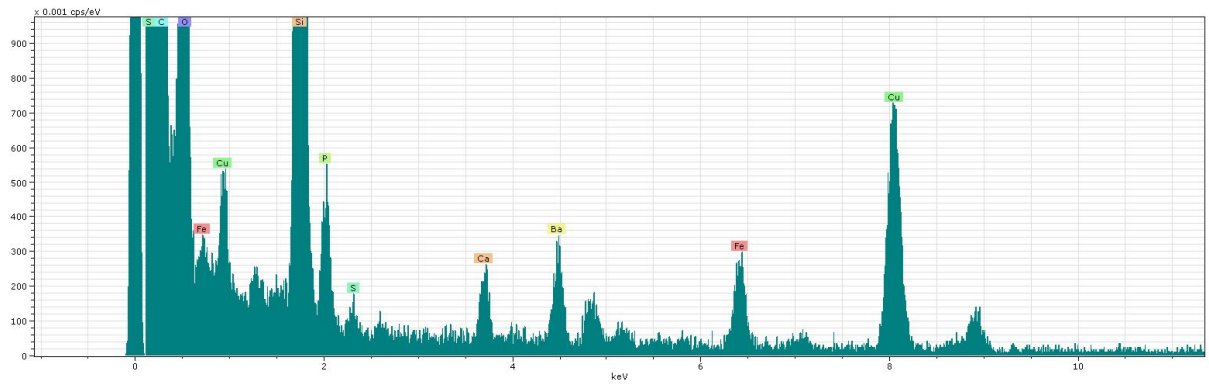
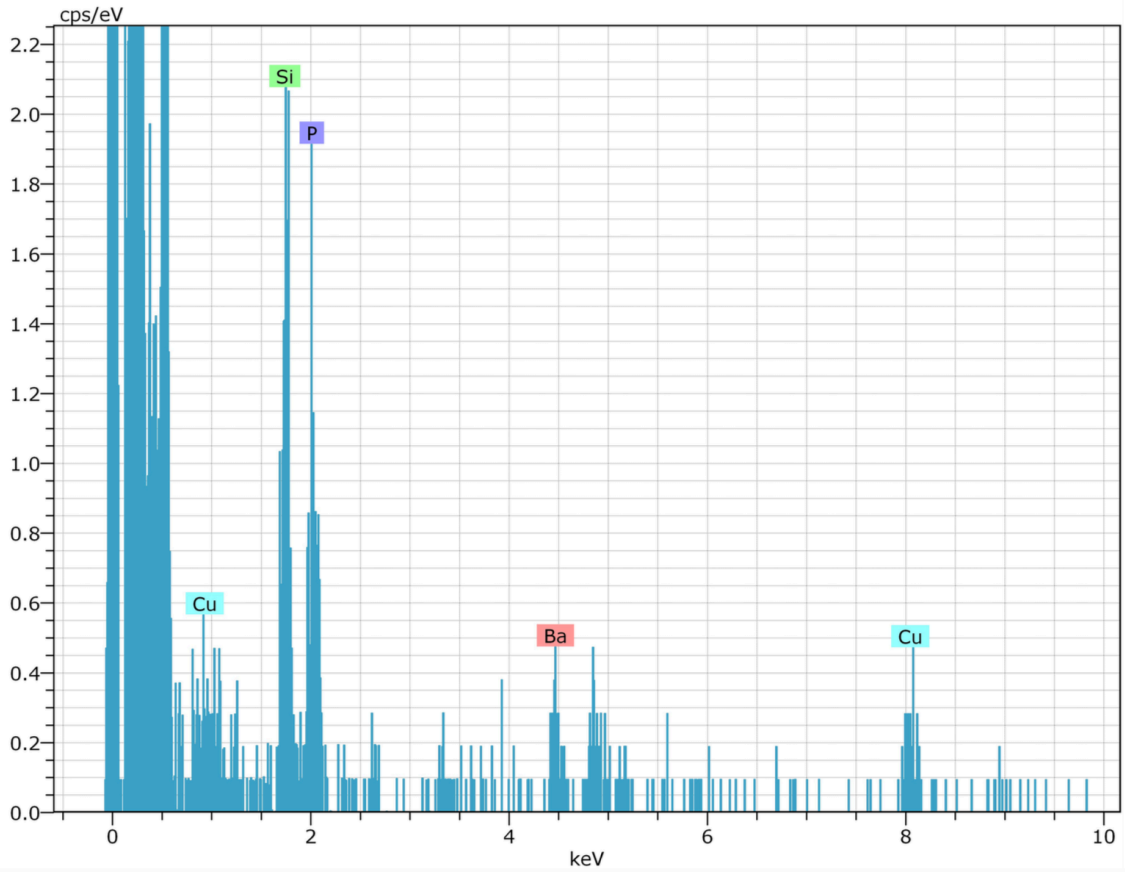


Supplementary Fig. 1. SEM-EDX spectrum showing the composition of the glass coverslips used for the experiments.

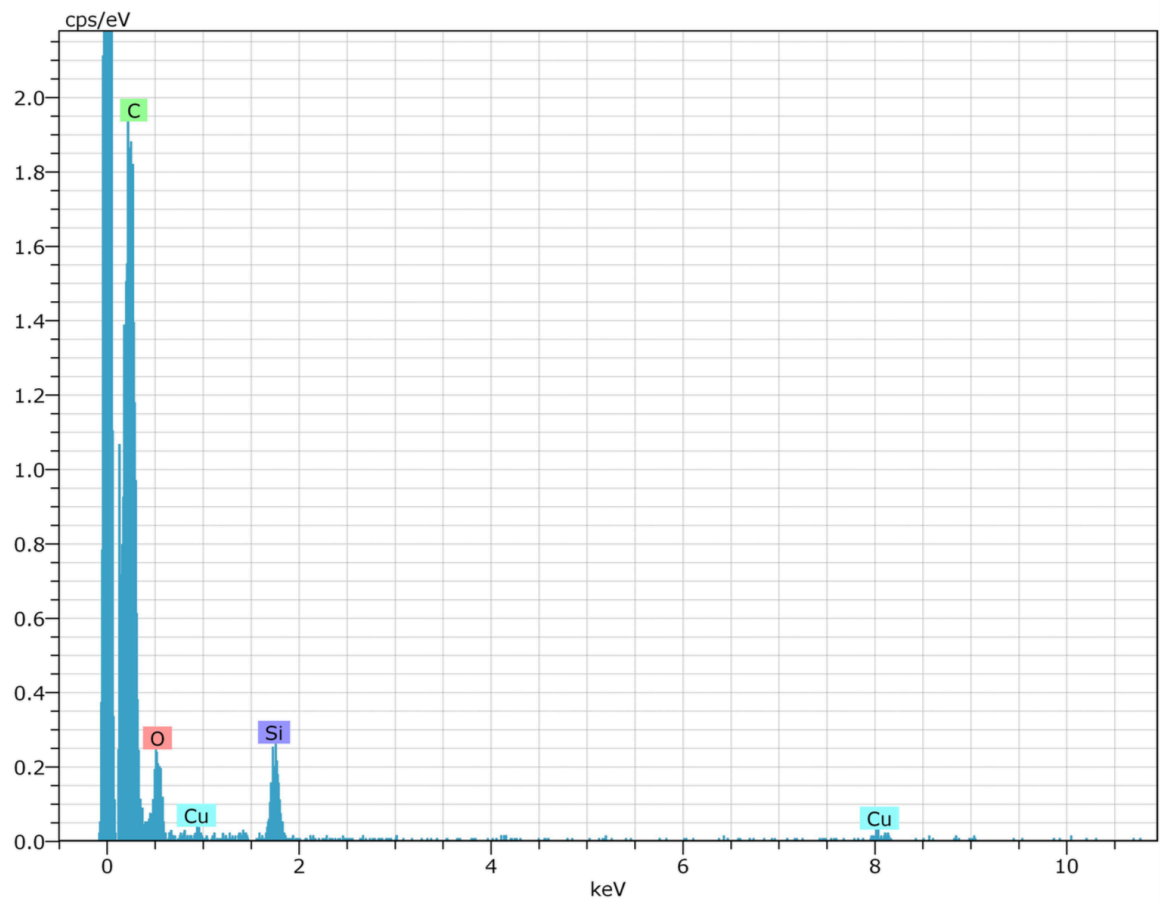


Supplementary Fig. 2. TEM-EDX spectrum showing the composition of the Ba precipitates (Fig. 4b).



1.spx Date:6/29/2015 12:41:38 PM HV:300.0kV Puls th.:2.63kcps

Supplementary Fig. 3. TEM-EDX spectrum showing the composition of a likely polyphosphate grain in bacterial cells (Fig. 3c).



1 Date:5/29/2015 1:50:07 PM HV:300.0kV Puls th.:1.09kcps

Supplementary Fig. 4. Spectrum showing the background composition in TEM-EDX spectra.