

Supplementary Materials:

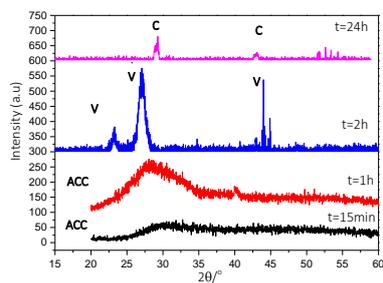


Figure S1. Precipitation (free drift) of calcium carbonate in supersaturated solutions ($SR_{\text{calcite}} = 11.48$), at constant temperature, 25°C, in the presence of 100mg of AO culture, dried in ambient air. X-ray diffraction pattern of the precipitated solid.

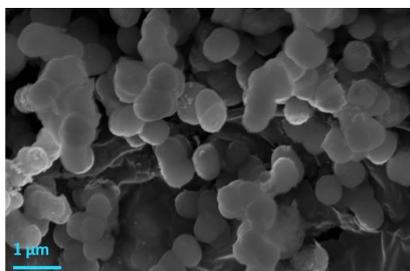


Figure S2. SEM photo of calcium carbonate precipitated in supersaturated solutions ($SR_{\text{calcite}} = 11.48$), at a constant temperature of 25°C with free change of concentrations, in the presence of 100mg of dry microalgae, dried in ambient air at 25°C.