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Supplementary information

The effect of hybrid coatings based on hydrogel, biopolymer and inorganic component on the corrosion behavior of titanium bone implants

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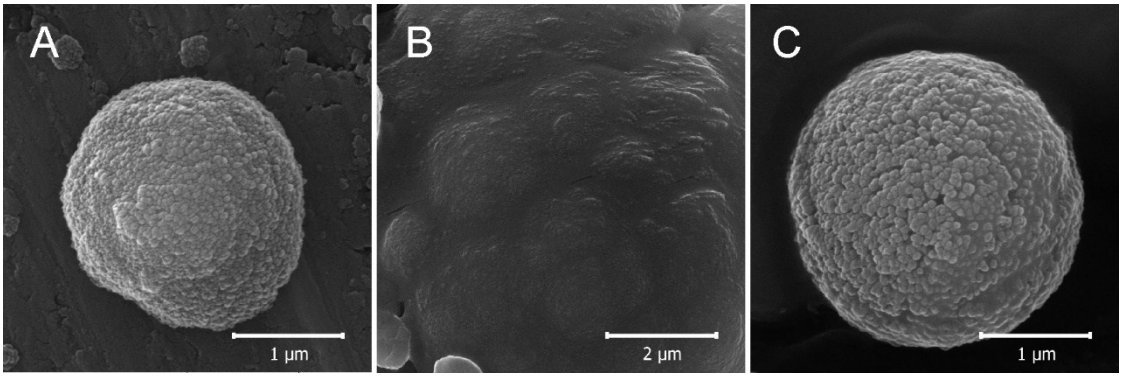

Figure S1. SEM images of $CaCO_3$ microparticles composing the coatings of Ti-$CaCO_3$ (A), Ti-Alg-$CaCO_3$ (B), Ti-DS-$CaCO_3$ (C).

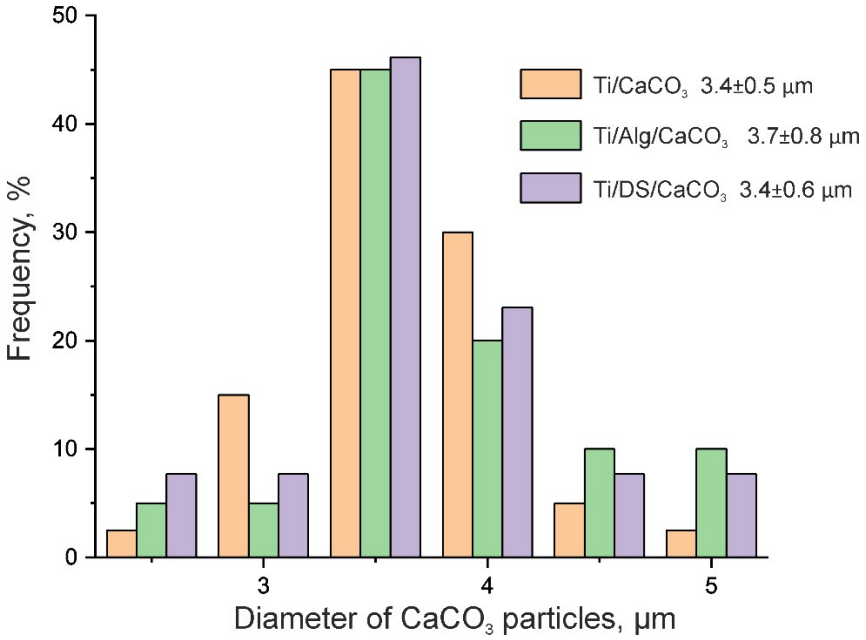

Figure S2. Size distribution of $CaCO_3$ particles composing coatings at the Ti surface

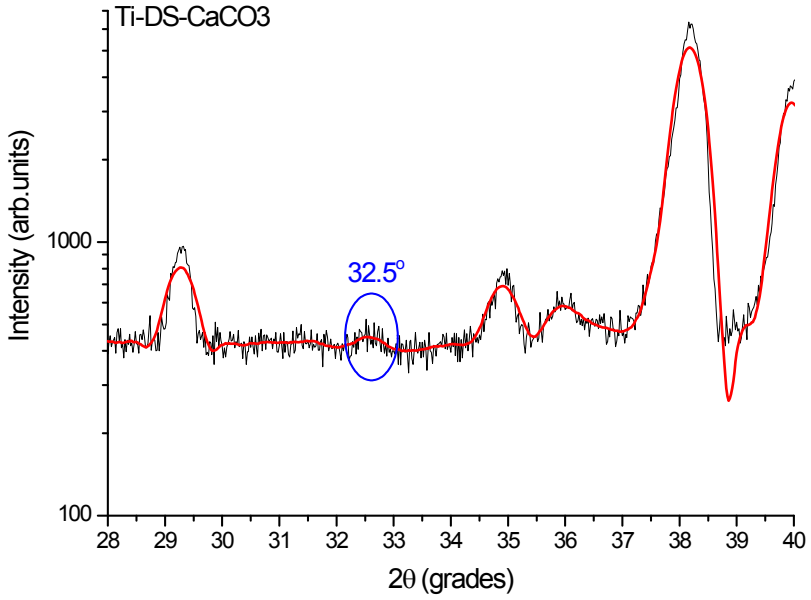

Figure S3. X-ray diffractogram (magnified section) of the Ti-DS-$CaCO_3$ surface after immersion test in SBF, demonstrating the presence of 211 plane at 32.5°, indicating the presence of vaterite