

## Supplementary information

For

### Rapid Wet Chemical Synthesis of Bioactive Glass with High Yield by Probe Sonication

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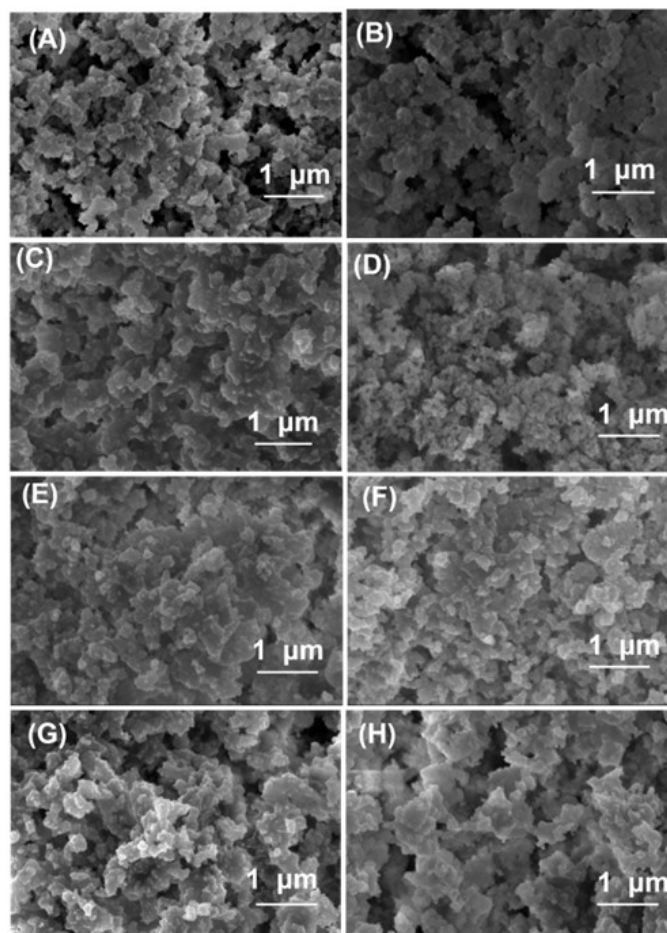
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Alexander von Humboldt Fellow

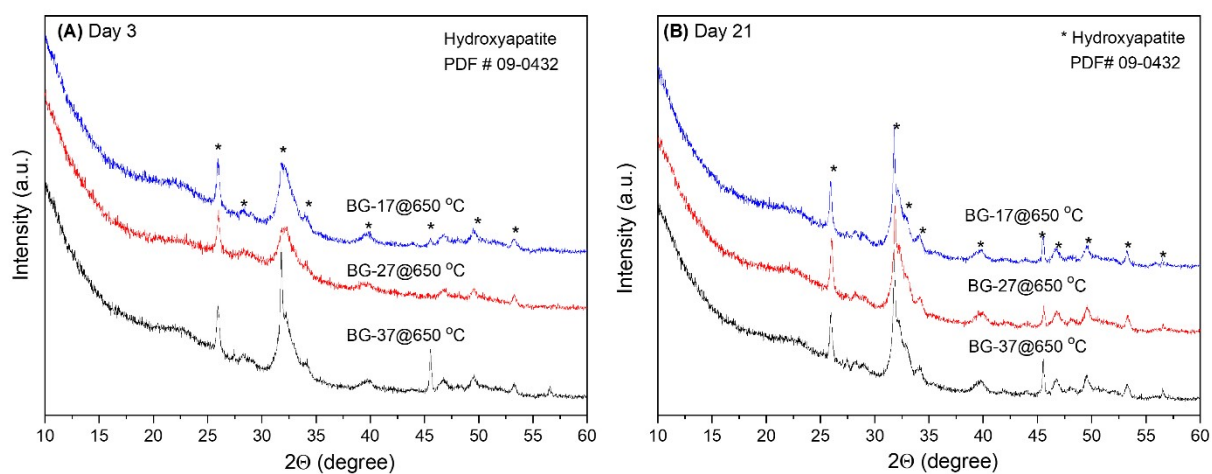
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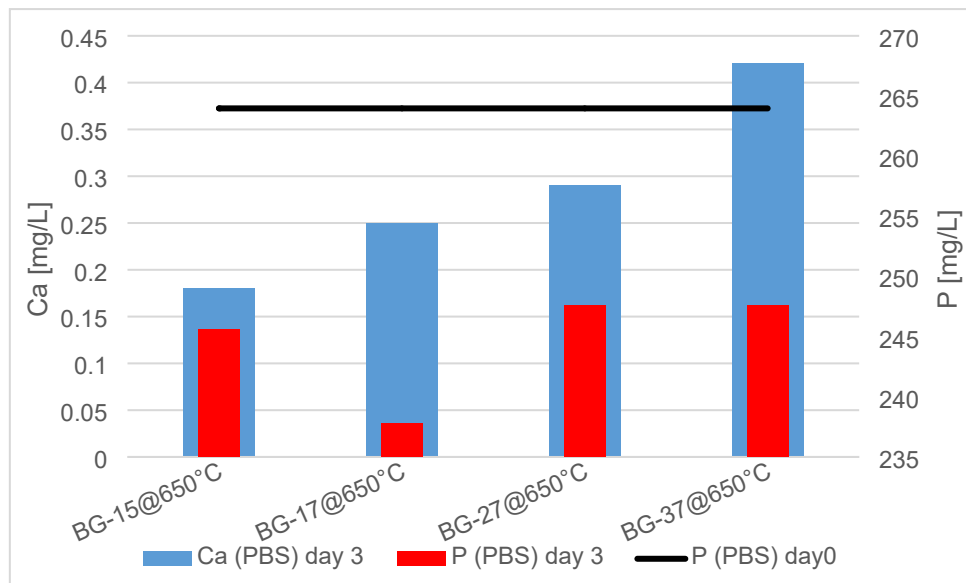
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**Figure S1:** SEM analysis (magnification 50k ×) showing the glass powders morphology: (A) BG-36, (B) BG-36@650 °C, (C) BG-37, (D) BG-37@650 °C, (E) BG-35, (F) BG-35@650 °C, (G) BG-33, and (H) BG-33@650 °C.



**Figure S2.** XRD patterns of BG samples prepared at 70% amplitude for different irradiation periods after soaking in PBS solution for 3 (A) and 21 (B) days.



**Figure S3:** The concentrations of calcium and phosphorus ions in PBS solution measured by ICP-OES.