

Supporting Information

ZnO quantum dots modified bioactive glass nanoparticles with controlled release of Zn ions,
fluorescence, and osteogenic properties

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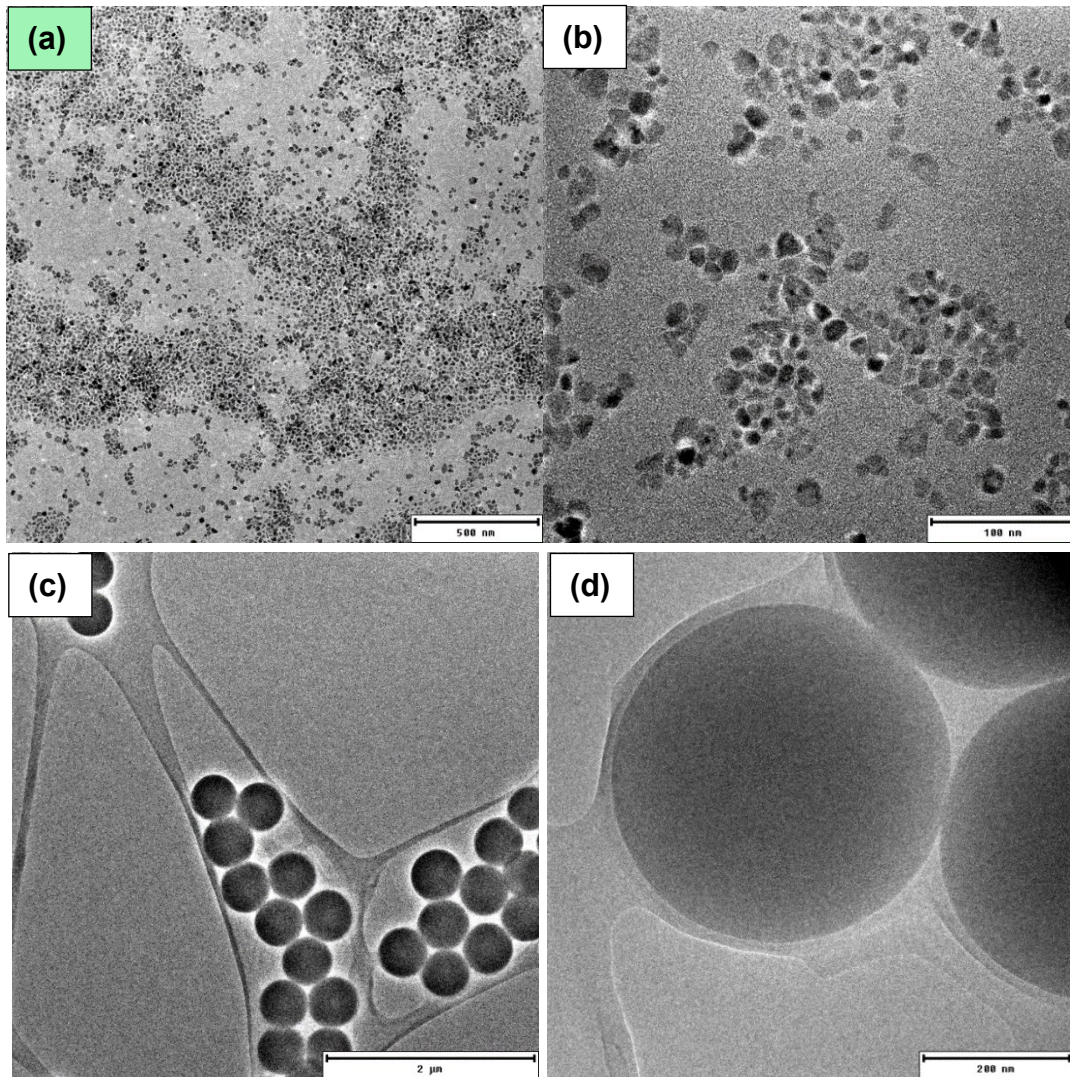
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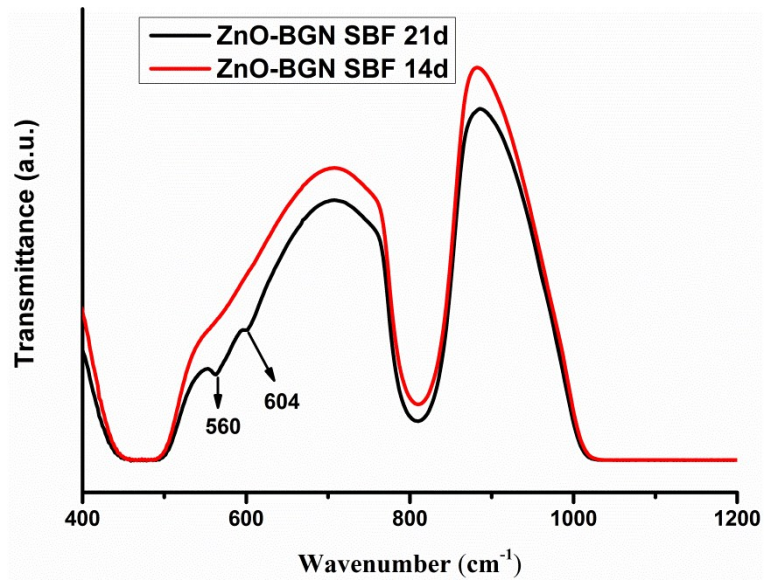
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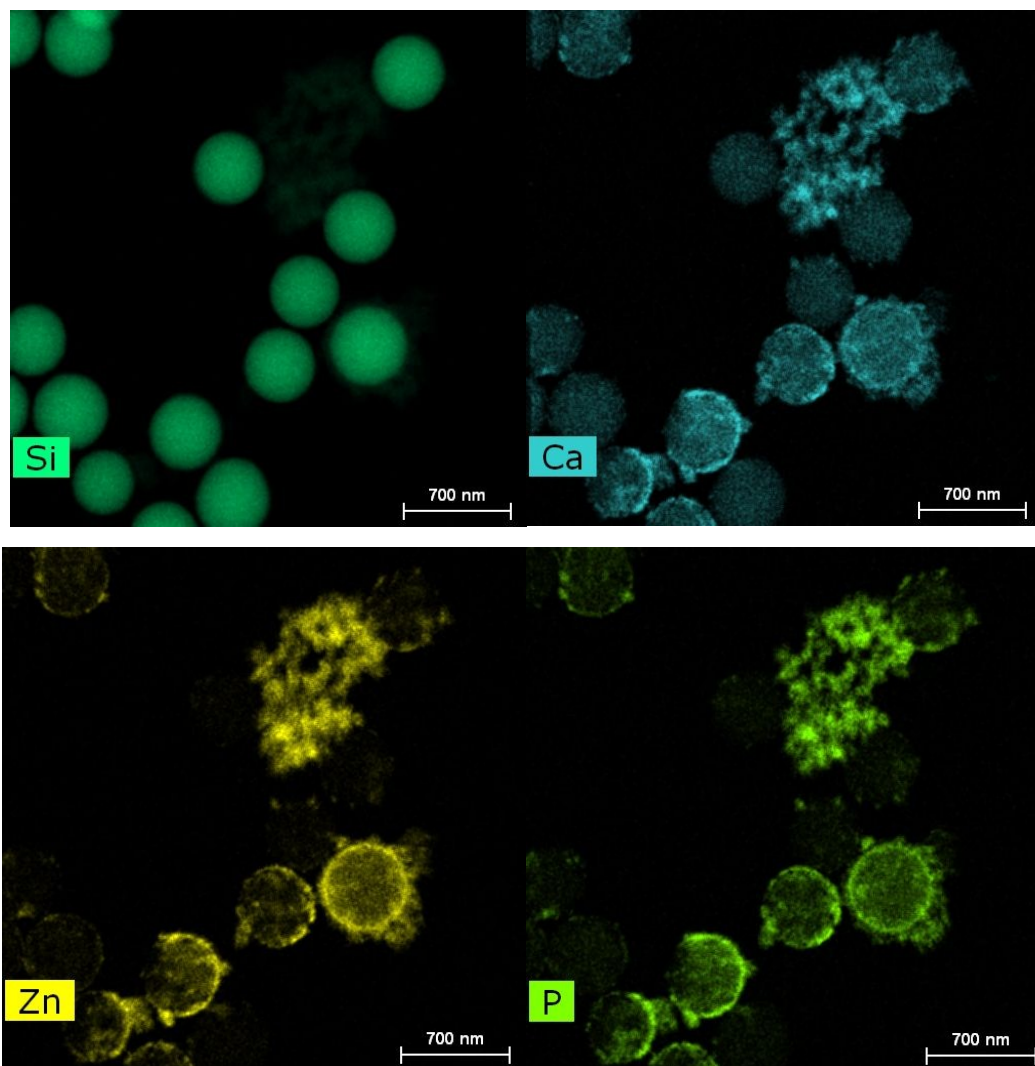
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S-Figure 1 TEM images showing the morphology of (a-b) ZnO QDs and (c-d) BGN



S-Figure 2 FTIR spectrum of ZnO-BGN after immersion in SBF for 21 days showing two characteristic P-O bands in crystalline Ca-P species at 560 and 604 cm⁻¹; while no P-O bands being observed in the FTIR spectrum of ZnO-BGN after 14 days immersion in SBF



S-Figure 3 EDS mapping results showing the presence of Ca, Zn, and P elements in ZnO-BGN after immersion in SBF for 21 days.