

“Supporting Information”

Sequential elucidation on the β -Ca₃(PO₄)₂/*r*-TiO₂ composite development from the solution precursors

P. Nandha Kumar and S. Kannan*

*^aCentre for Nanoscience and Technology,
Pondicherry University, Puducherry-605 014, INDIA*

Contents:

Supplementary figure

- Fig. S1** XRD patterns of the β -Ca₃(PO₄)₂-*r*-TiO₂ composites recorded at 1100 °C.
- Fig. S2** Refined diffraction patterns of five different calcium phosphate contained titania compositions at 900 °C. **Figs. S2a, b, c, d** and **e** respectively correspond to the refined patterns of 1CPTI, 2CPTI, 3CPTI, 4CPTI and 5CPTI. Calculated (Red lines); Background (Yellow lines); Difference (Pink lines); Bragg of β -Ca₃(PO₄)₂ (Green ticks); Bragg of α -TiO₂ (Blue ticks); Bragg of *r*-TiO₂ (Brown ticks).
- Fig. S3** Refined diffraction patterns of the TCPTI. Calculated (Red lines); Background (Yellow lines); Difference (Pink lines); Bragg of β -Ca₃(PO₄)₂ (Green ticks).
- Fig. S4** Scanning electron micrographs and their associated elemental mappings for the 1CPTI (**Fig. S4a**) and 5CPTI (**Fig. S4b**) composites.

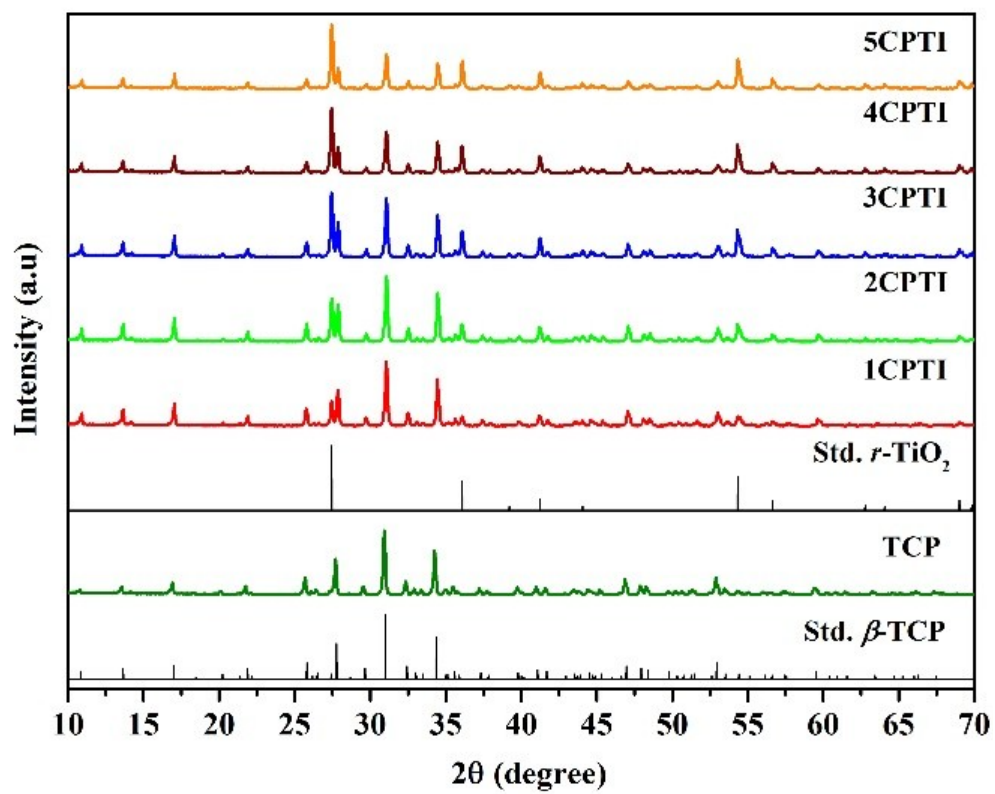


Fig. S1

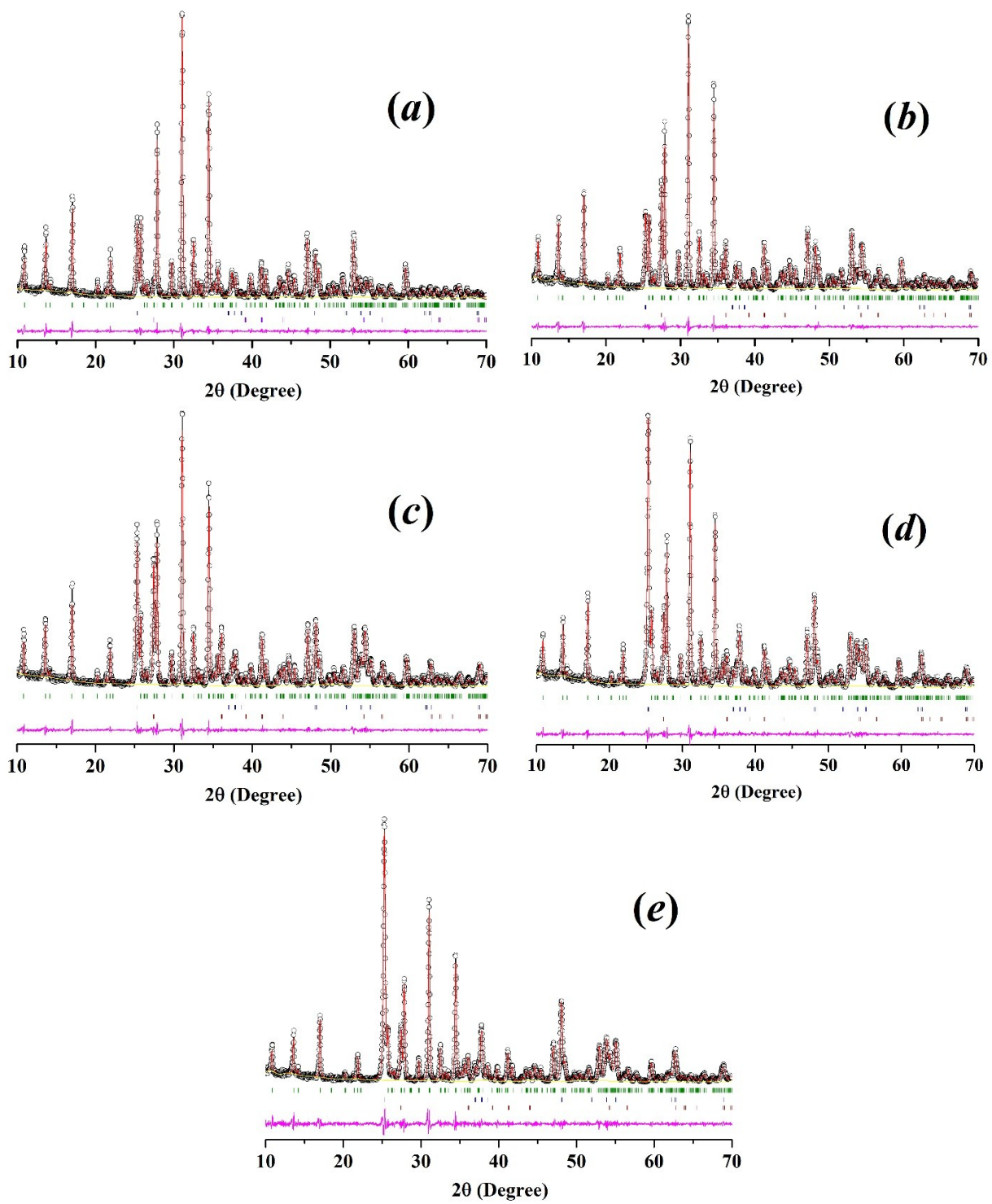


Fig. S2

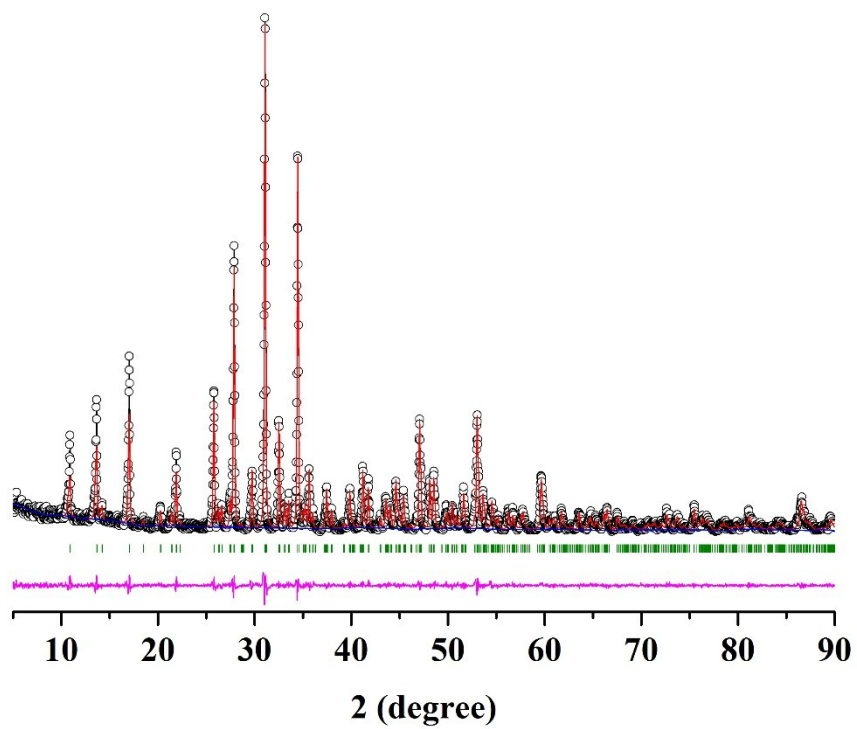


Fig. S3

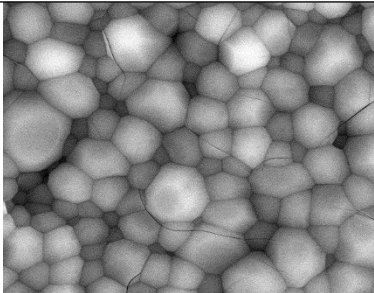
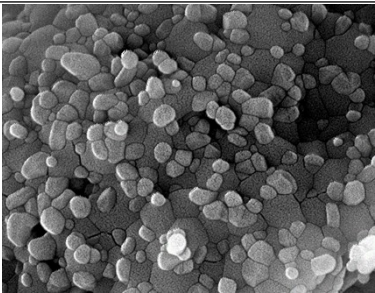
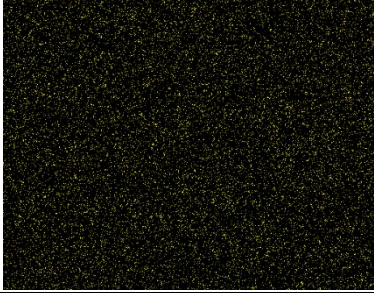
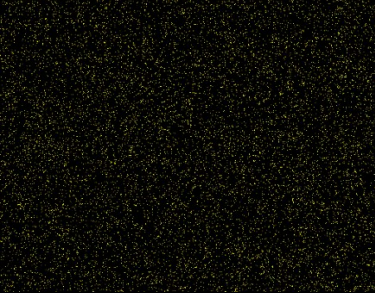


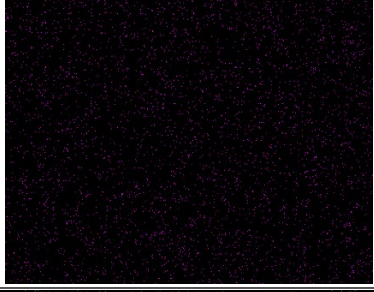
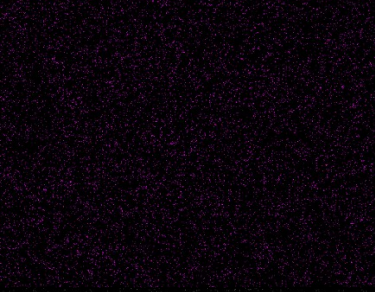
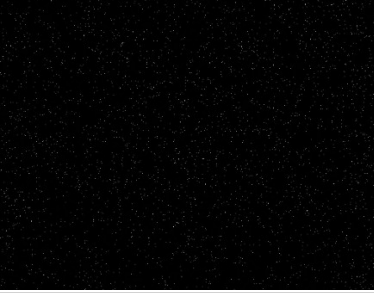
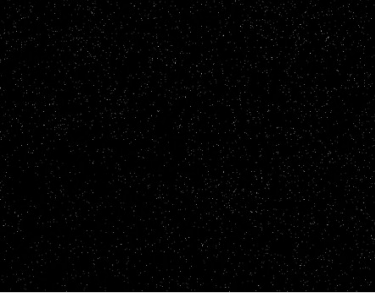
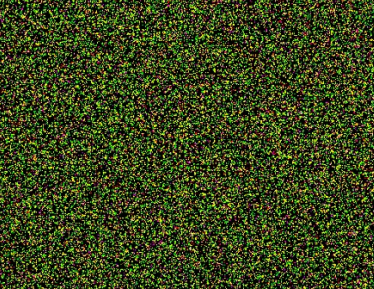
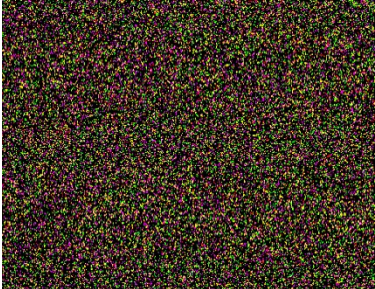
SEM		
Ca		
P		
Ti		
O		
Overall		

Fig. S4