

Figure 1: Mapping of mineral densities in different mice bones obtained through the combination of qbSEM with chitosan-hydroxyapatite calibration standards.

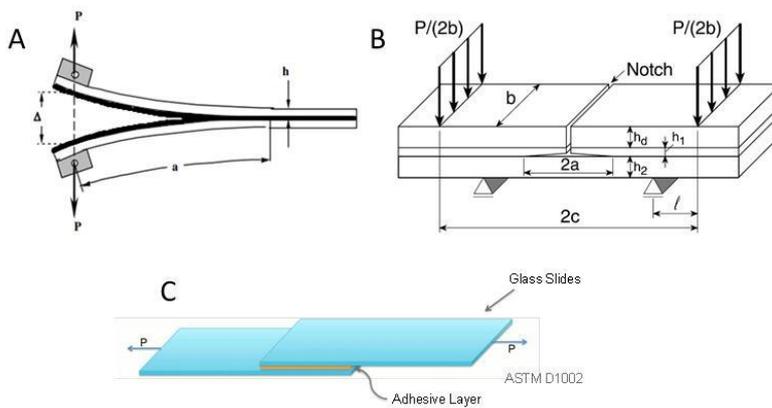


Figure 2. Different used test to evaluate the mechanical strength of organic-inorganic interfaces. A. Double cantilever beam test (DCB), B. Modified four-point bending and C. Shear test

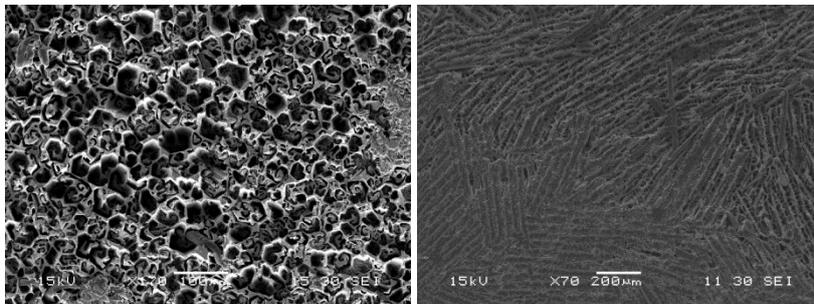


Figure 3: Different microstructures, honeycomb (left) and lamellar (right) obtained using the freeze casting technique using different additives and manipulating the freezing conditions.

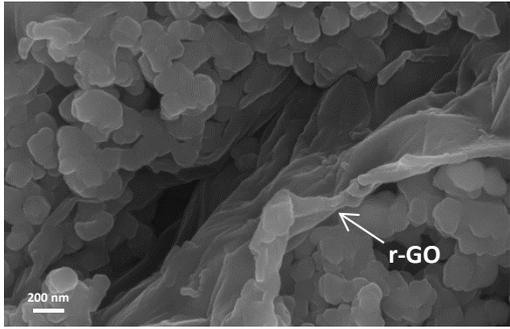


Figure 4. Fracture microstructure of GO-ZrO₂ composite.