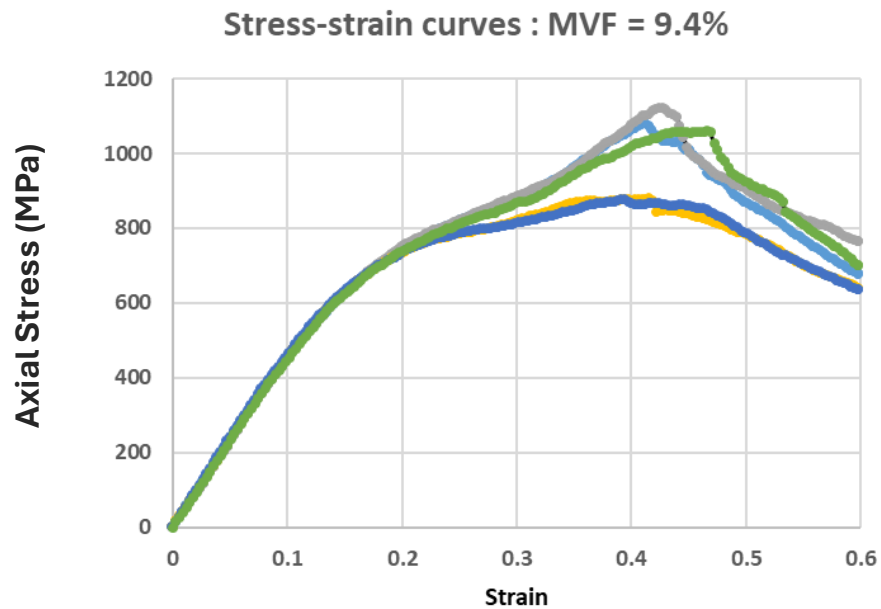
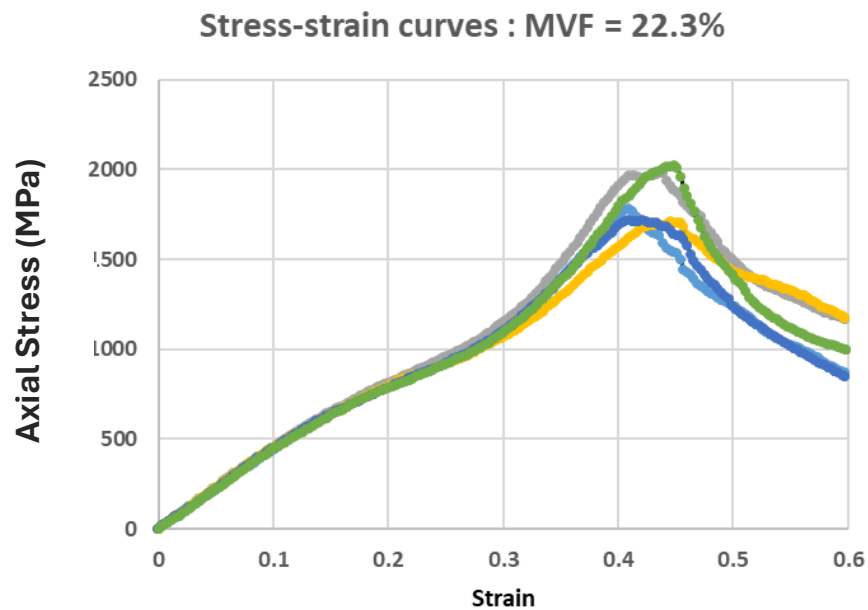


Supplementary Material

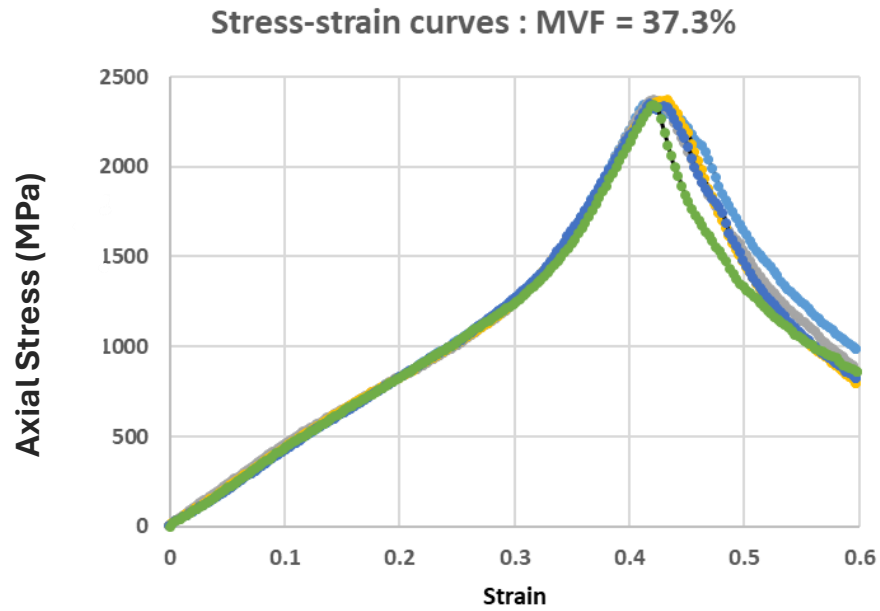
1 Supplementary Figures:



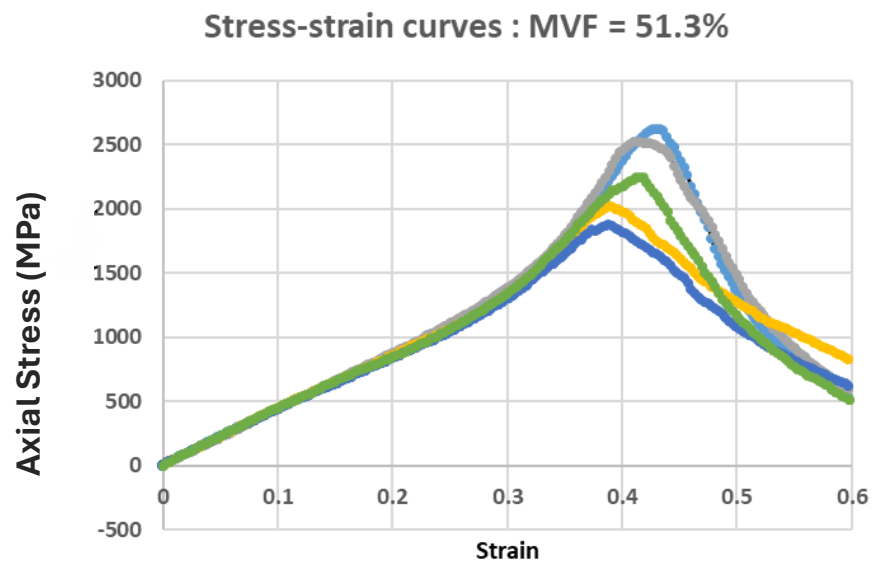
Supplementary Figure 1. Stress-strain field for collagen fibril for 9.4% mineral fractions.



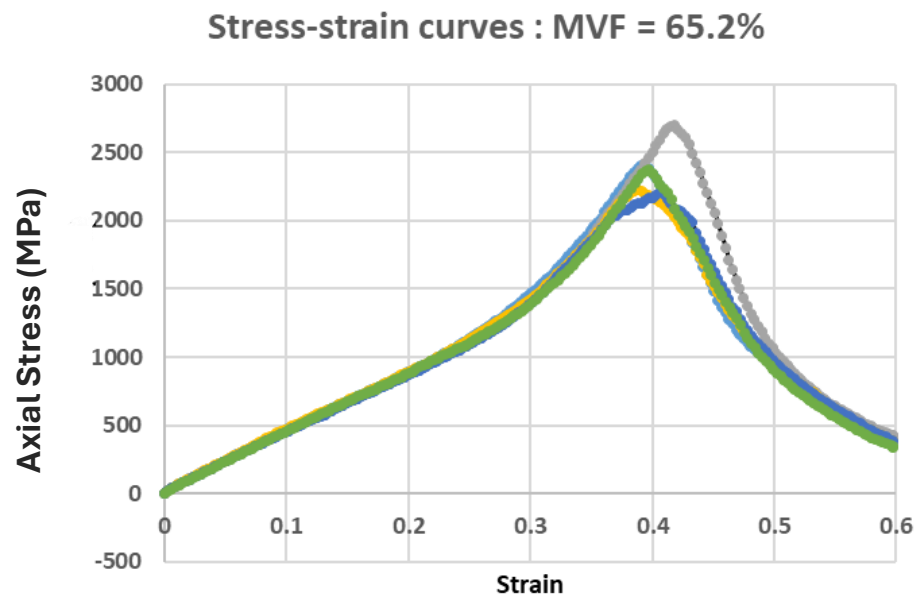
Supplementary Figure 2. Stress-strain field for collagen fibril for 22.3% mineral fractions.



Supplementary Figure 3. Stress-strain field for collagen fibril for 37.3% mineral fractions.



Supplementary Figure 4. Stress-strain field for collagen fibril for 51.3% mineral fractions.



Supplementary Figure 5. Stress-strain field for collagen fibril for 65.2% mineral fractions.