

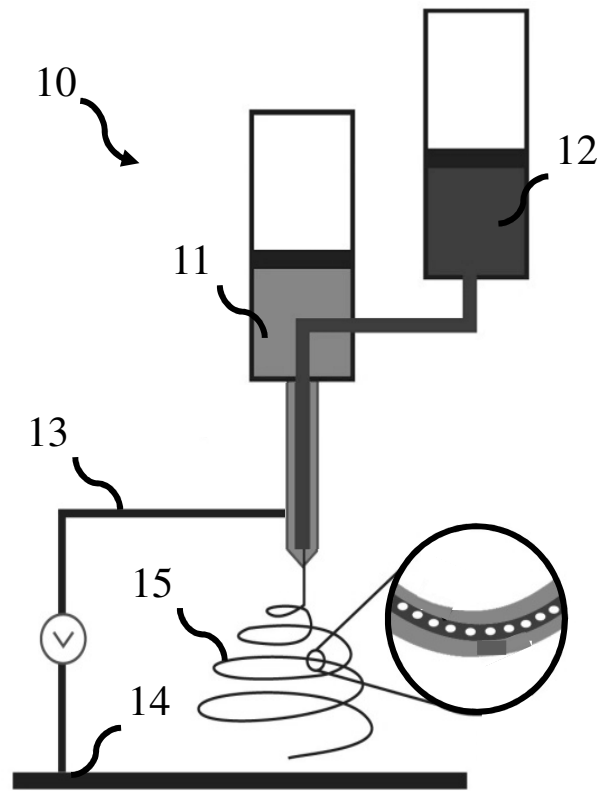


FIG. 1A

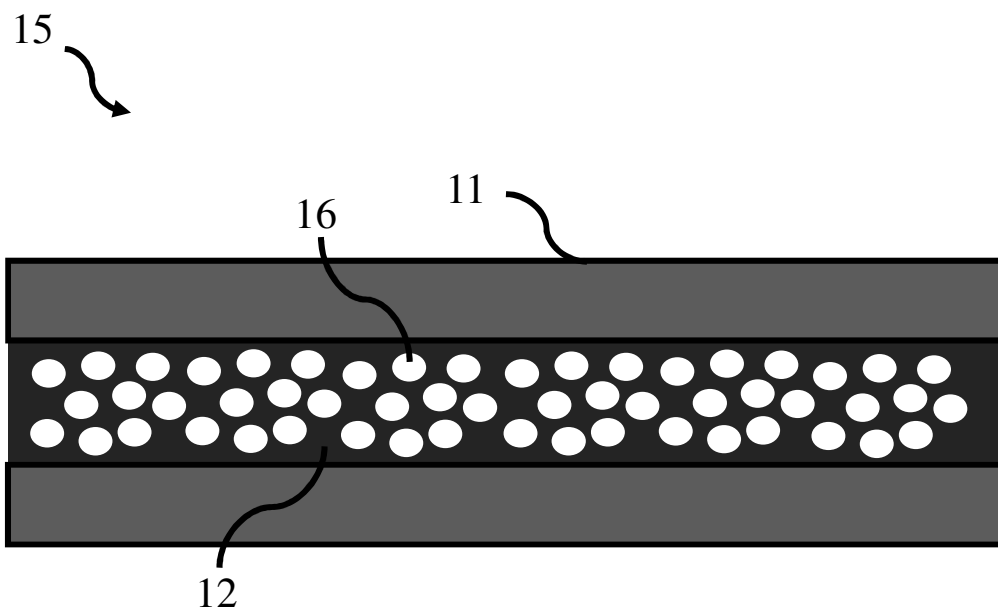
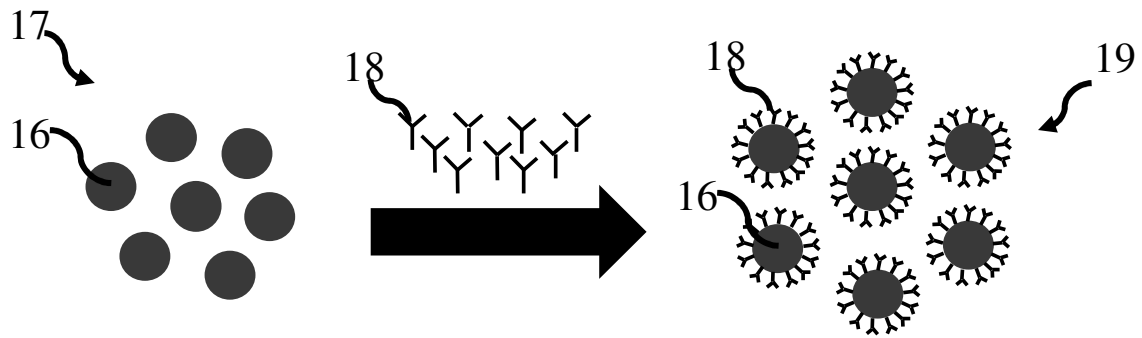
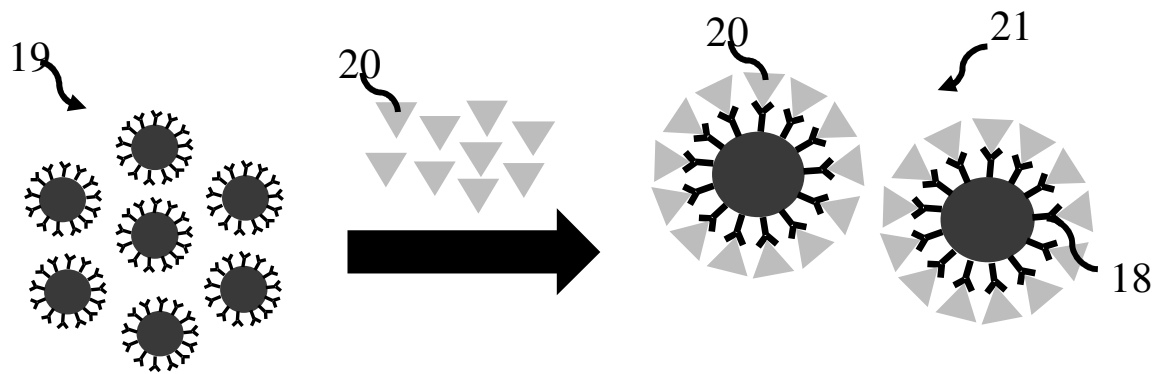


FIG. 1B

**FIG. 2A****FIG. 2B**

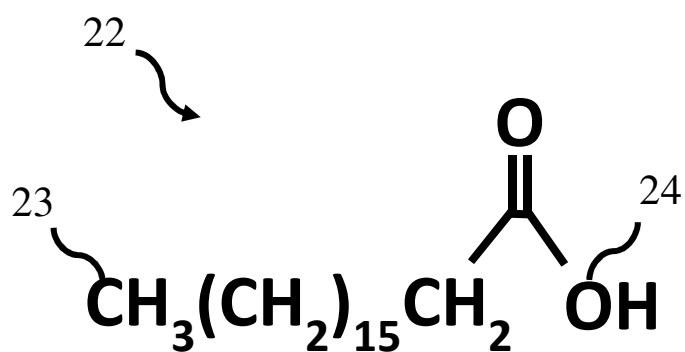


FIG. 3A

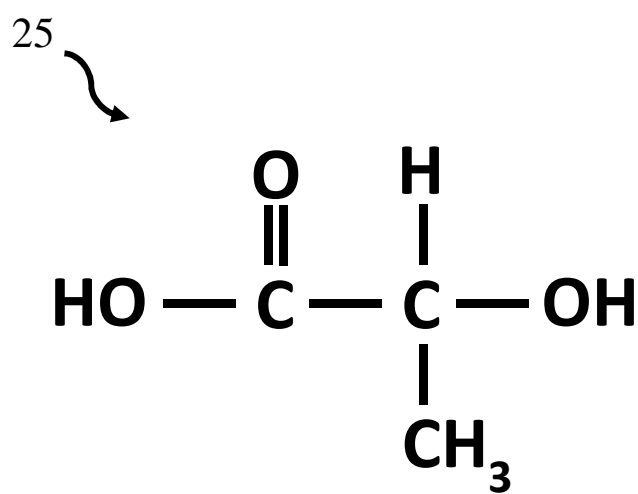
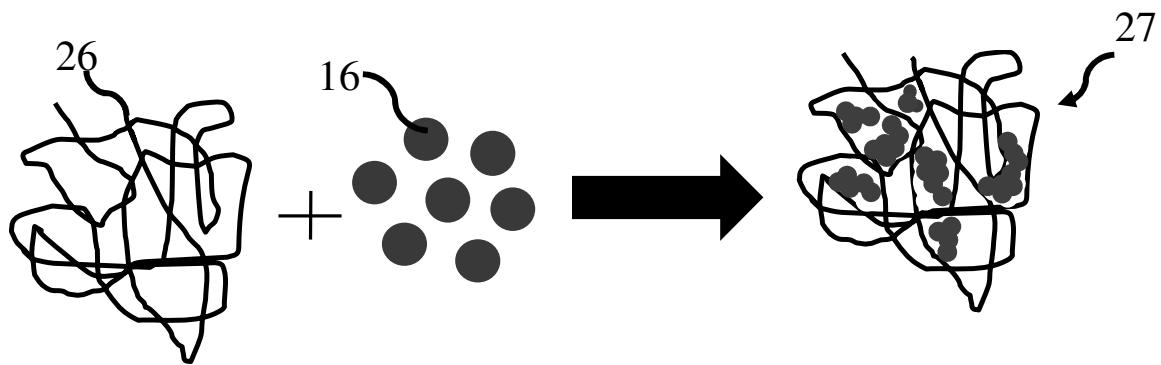
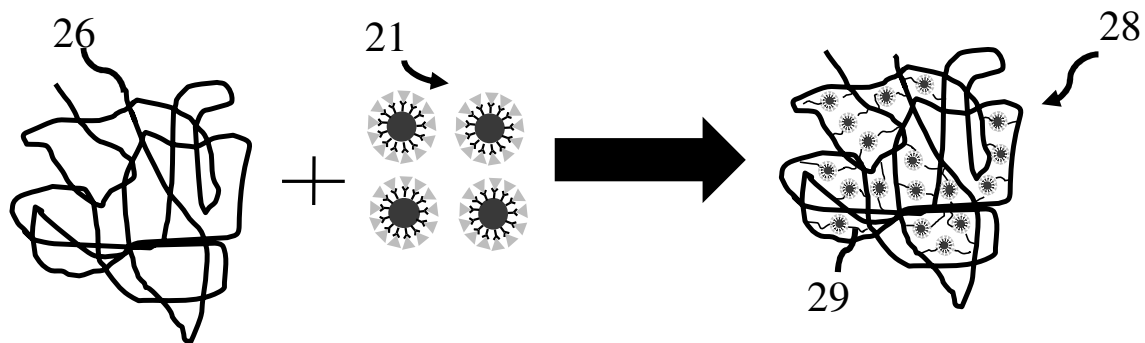
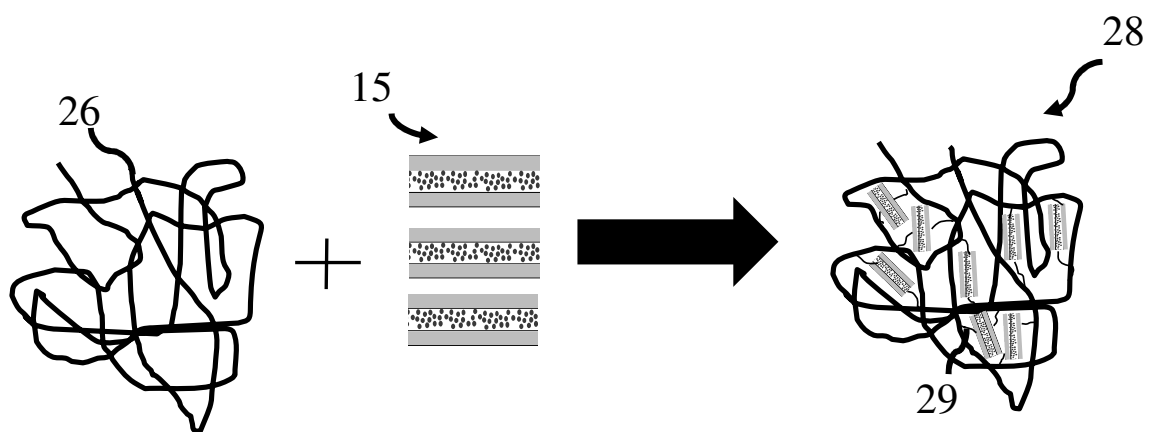


FIG. 3B

**FIG. 4A****FIG. 4B****FIG. 4C**

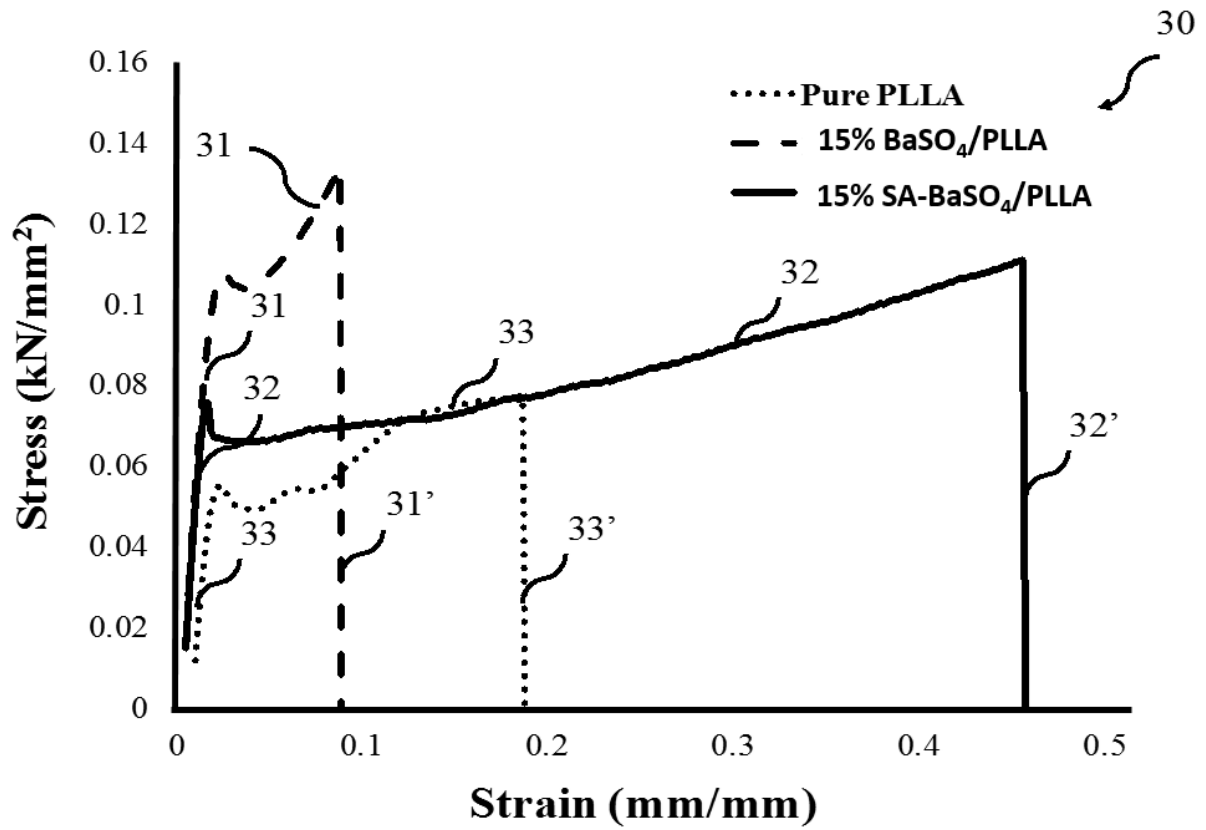


FIG. 5

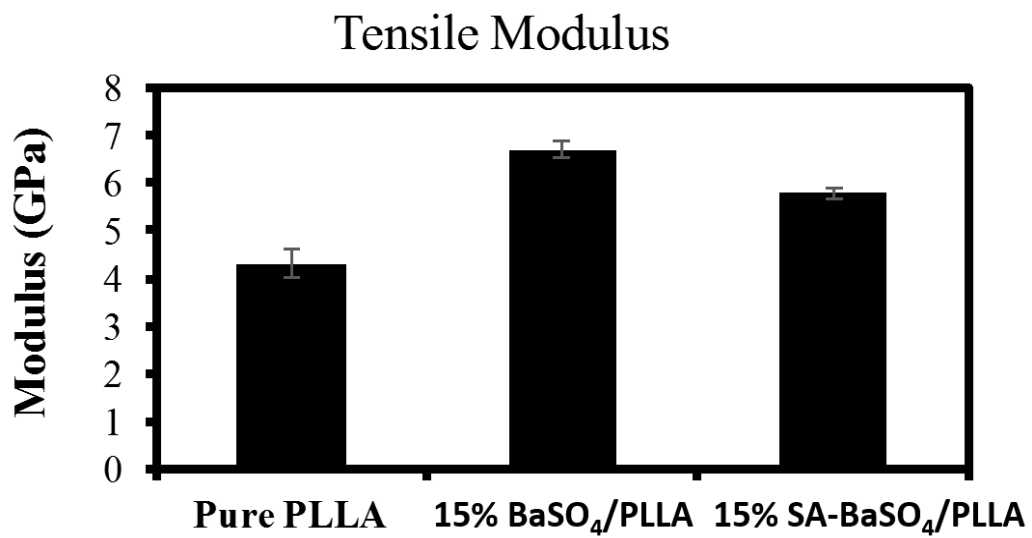
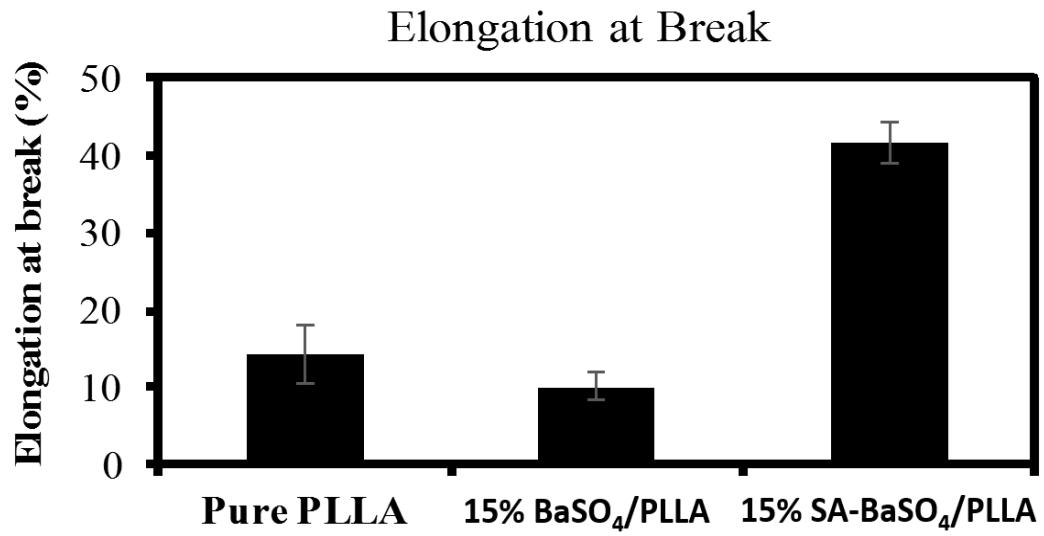
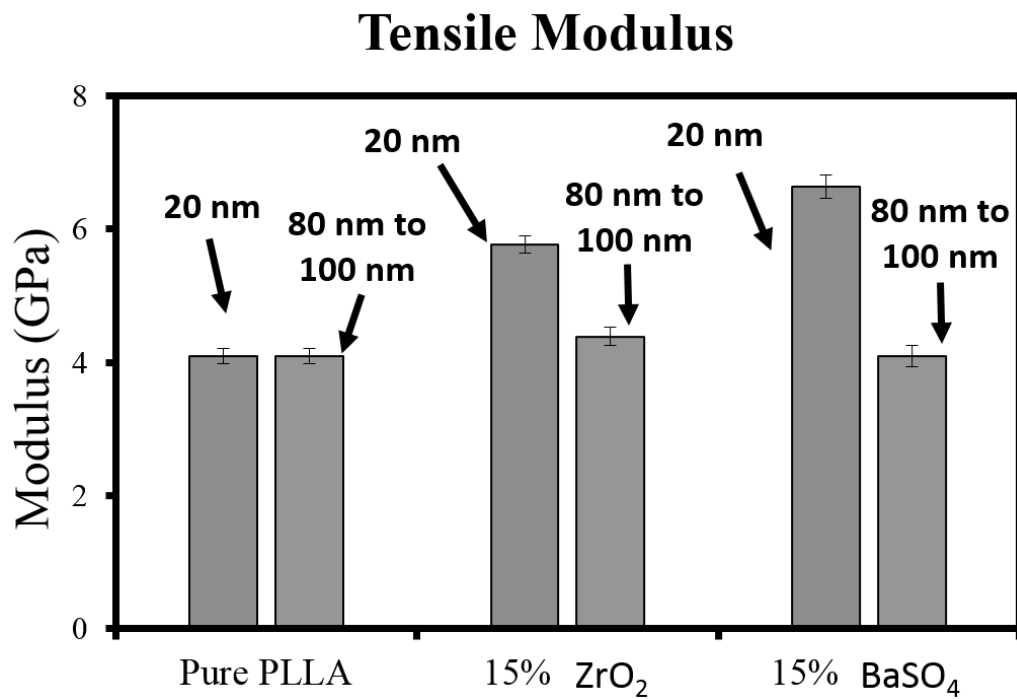


FIG. 6A

**FIG. 6B****FIG. 7A**

Tensile Strength

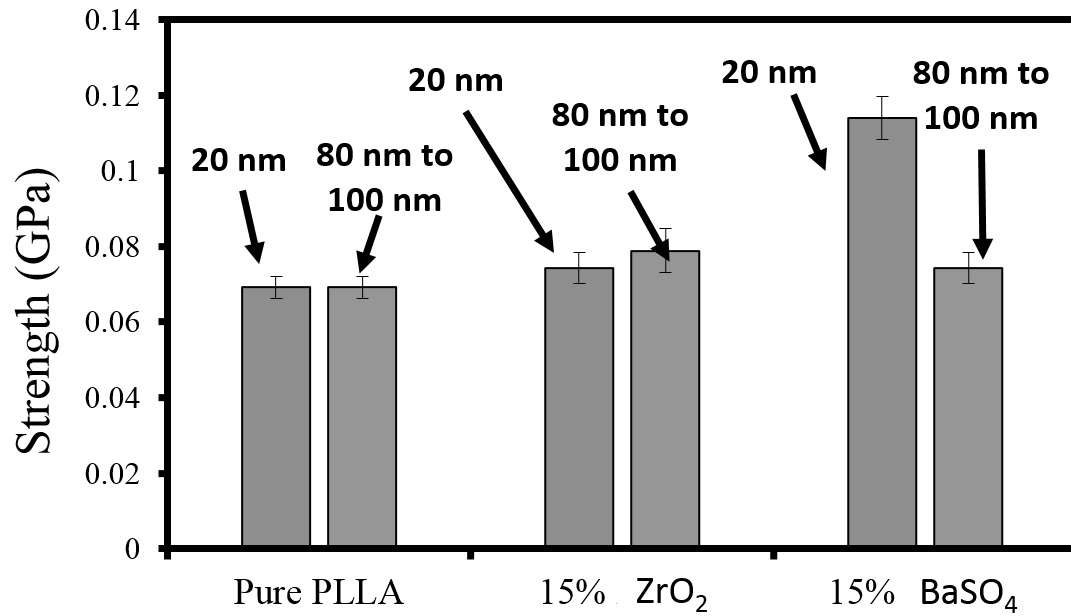


FIG. 7B

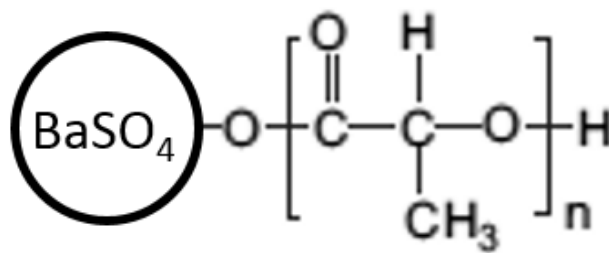
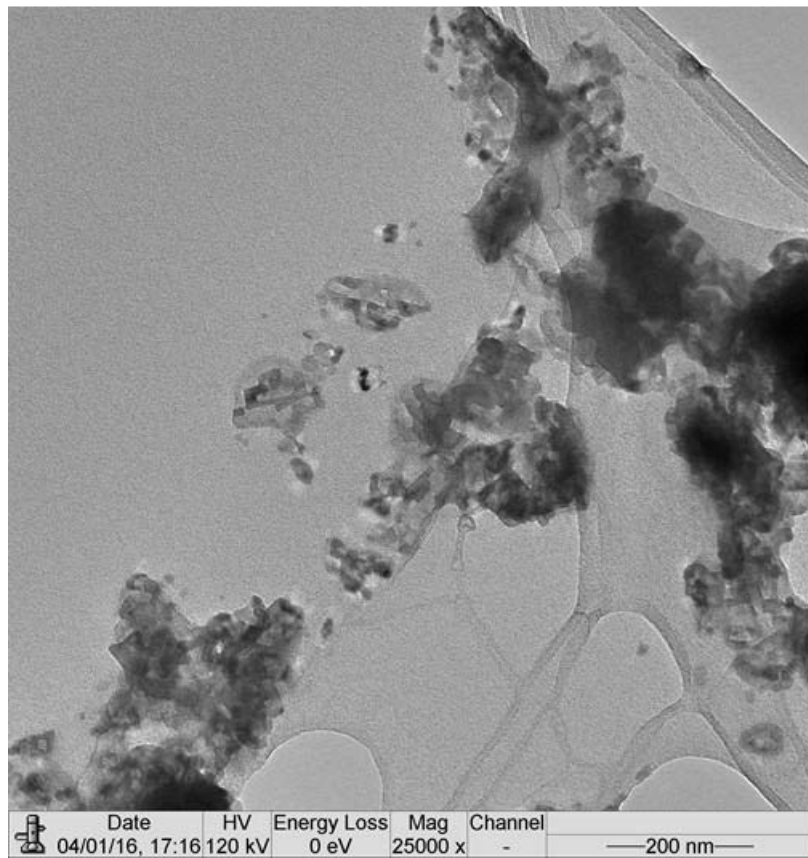
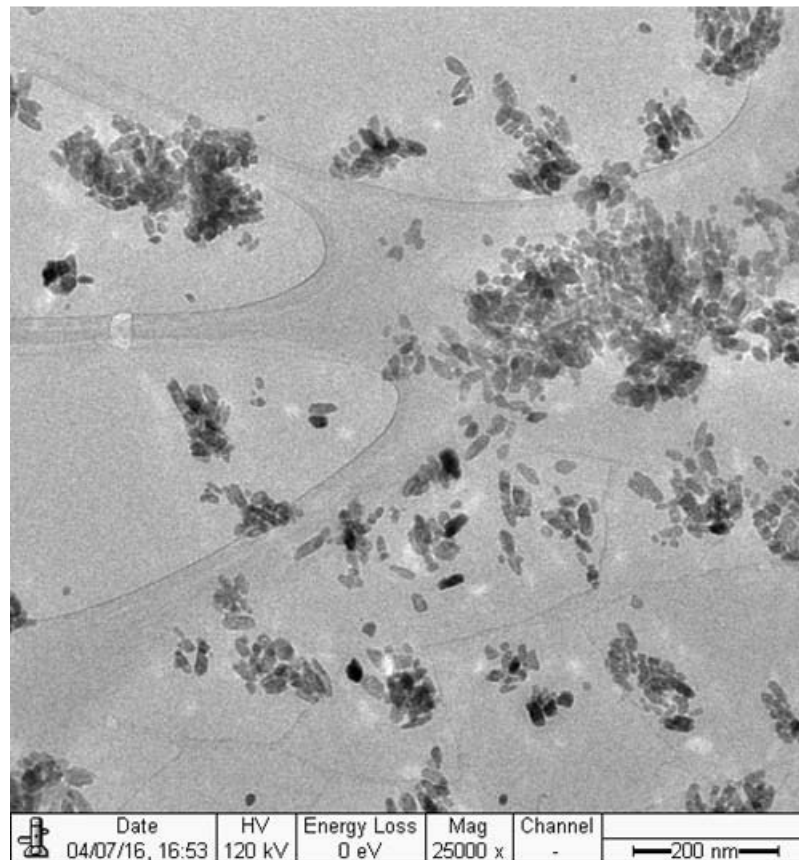
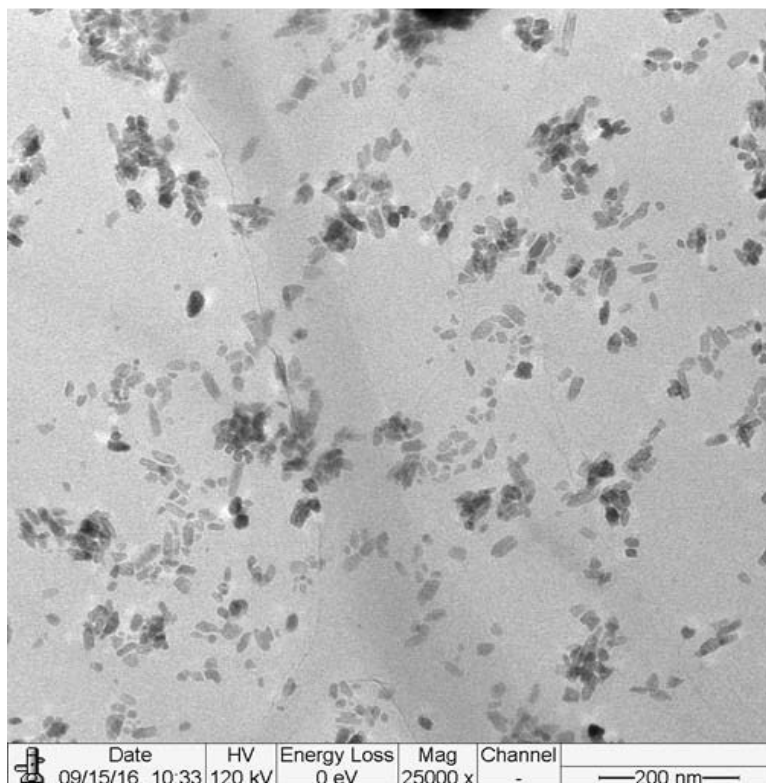
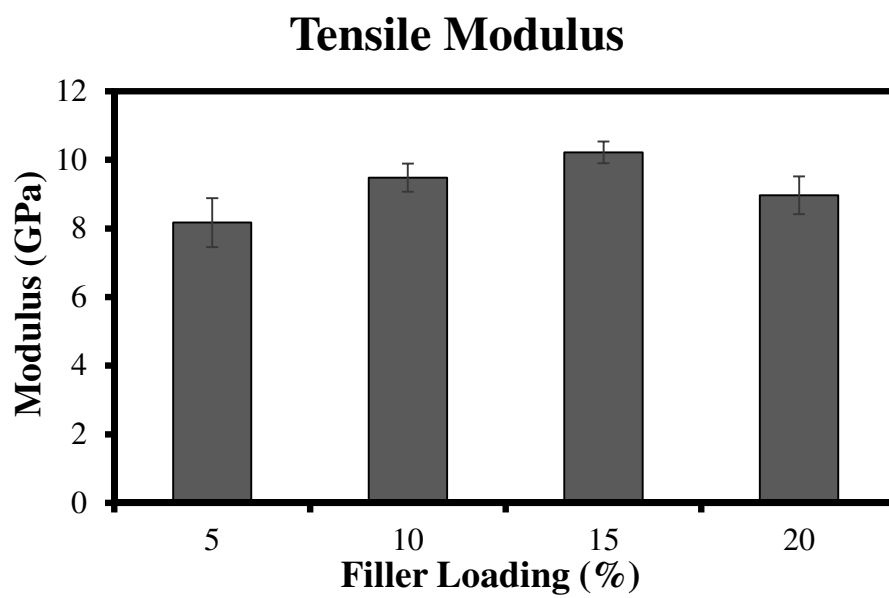


FIG. 8

**FIG. 9A**

**FIG. 9B**

**FIG. 9C****FIG. 10A**

Tensile Strength

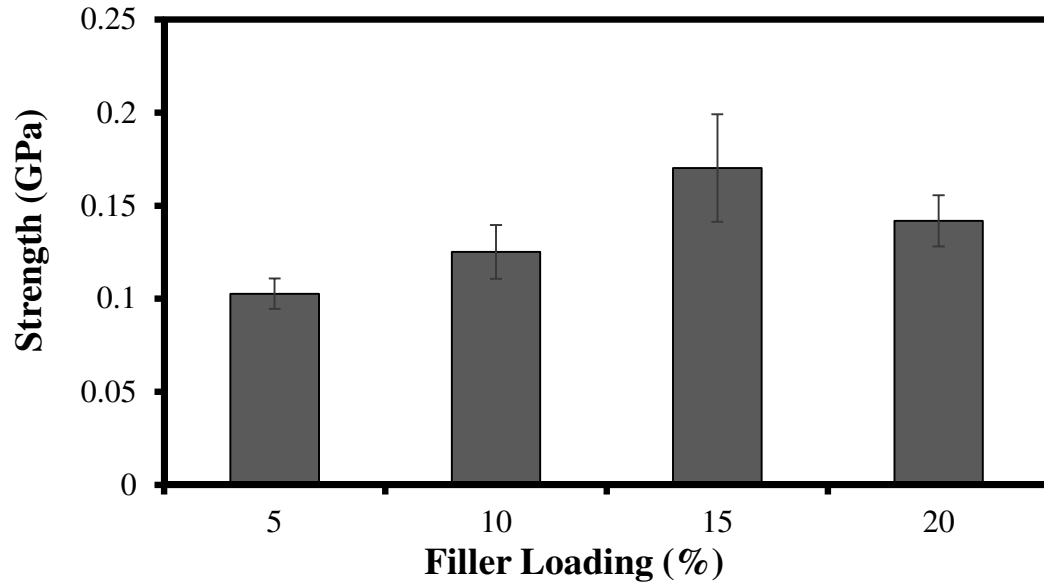


FIG. 10B

Tensile Modulus

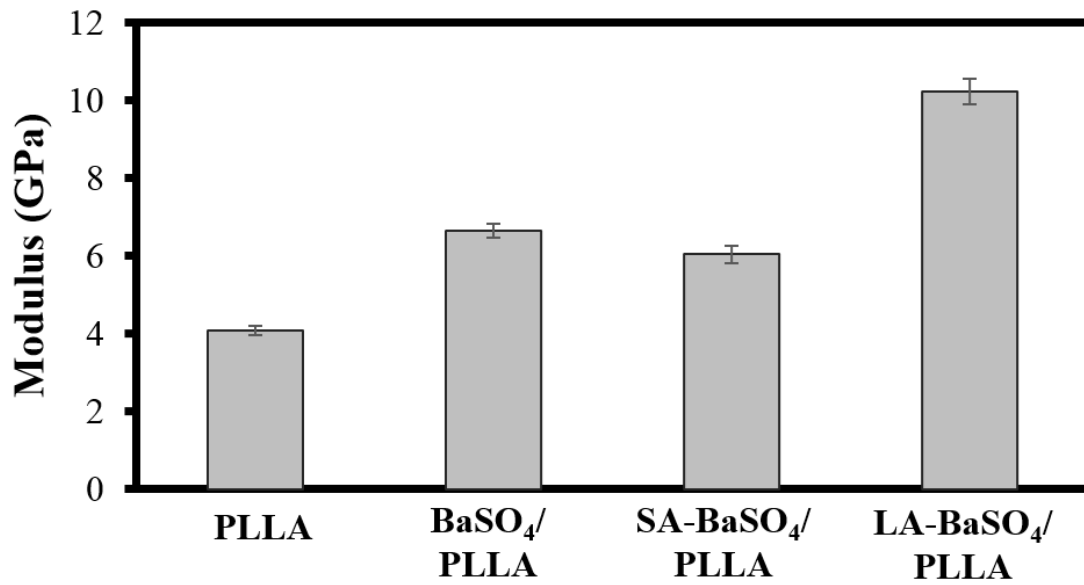
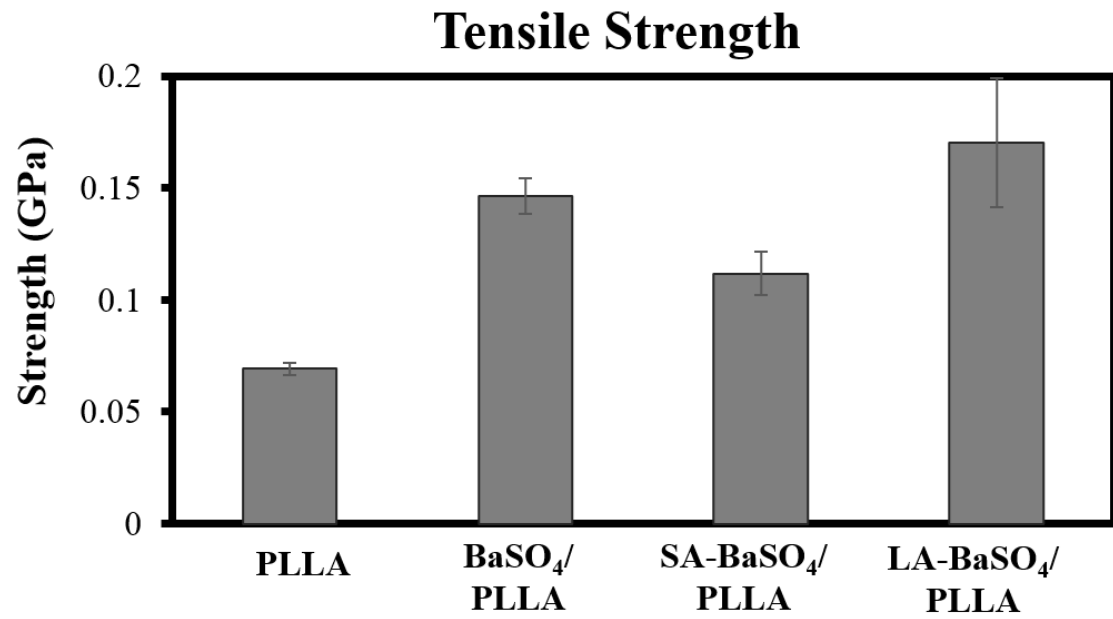
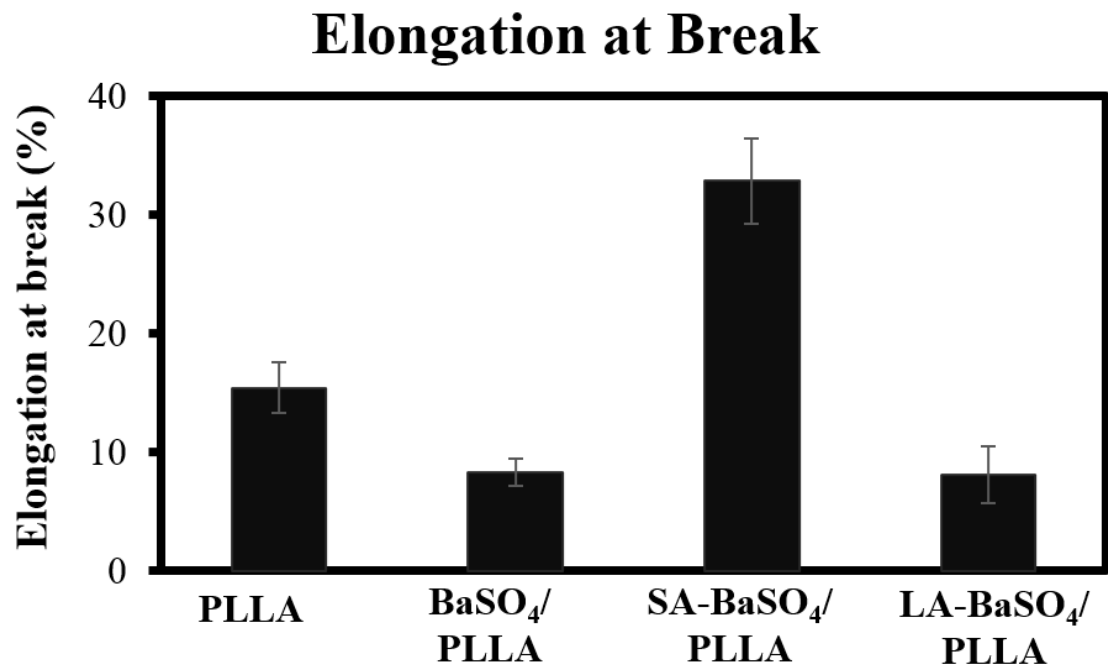


FIG. 11A

**FIG. 11B****FIG. 11C**

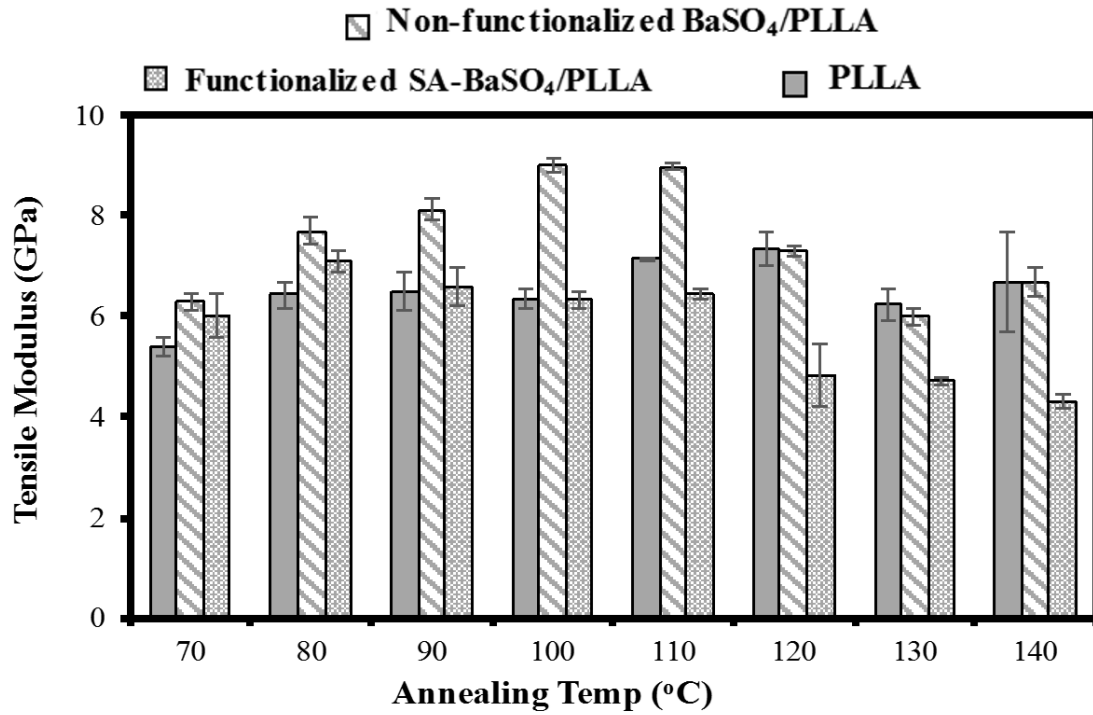


FIG. 12A

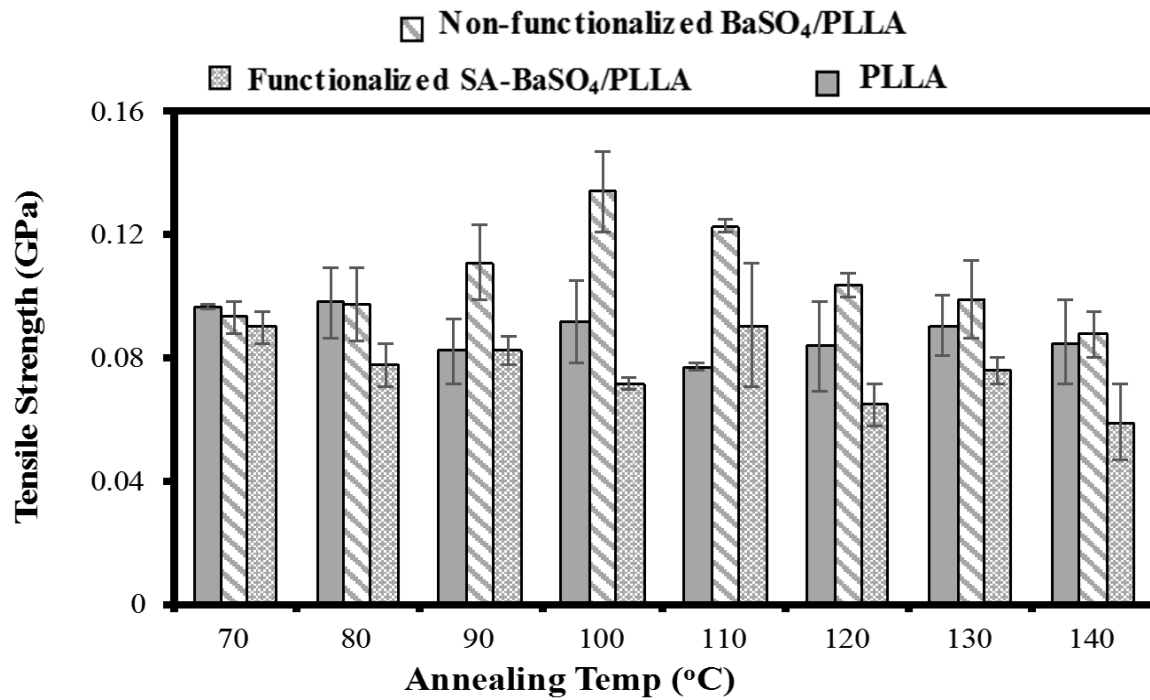
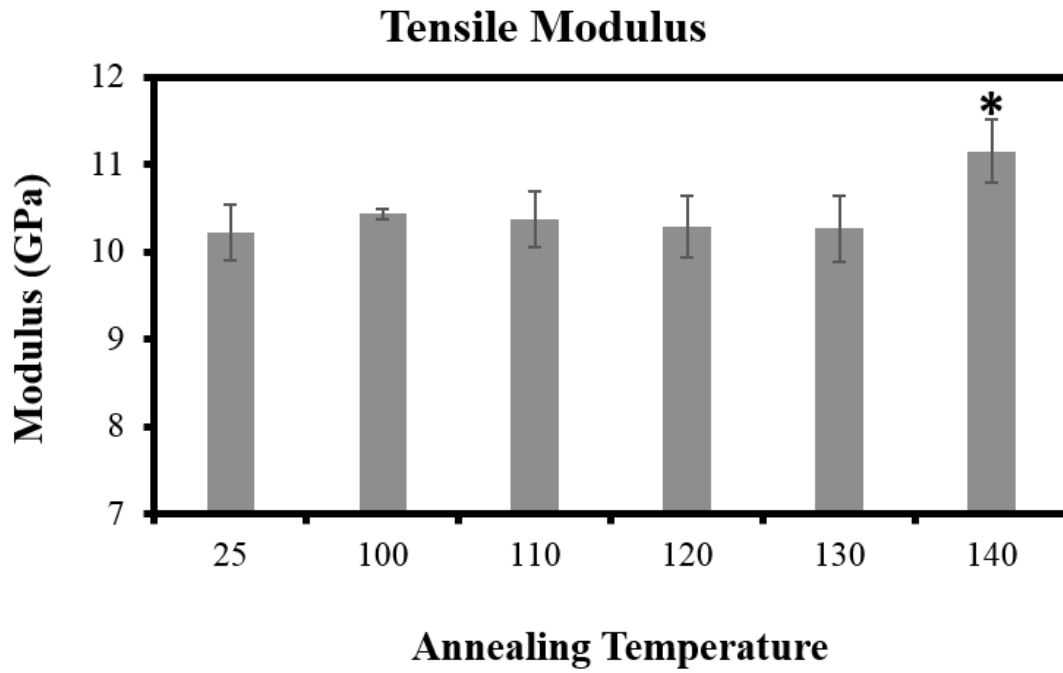
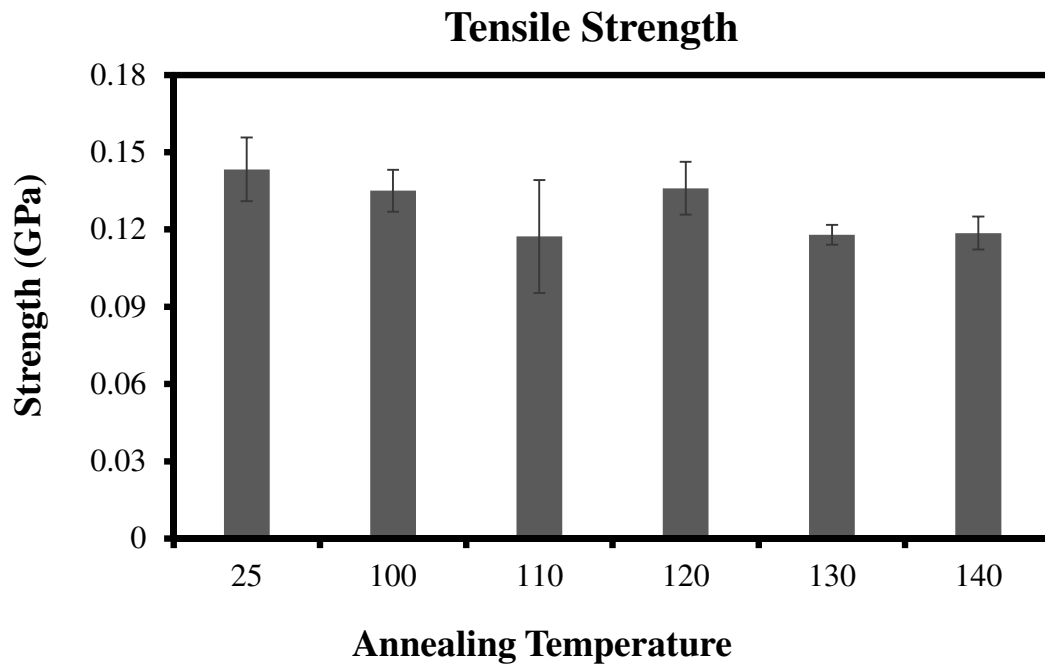
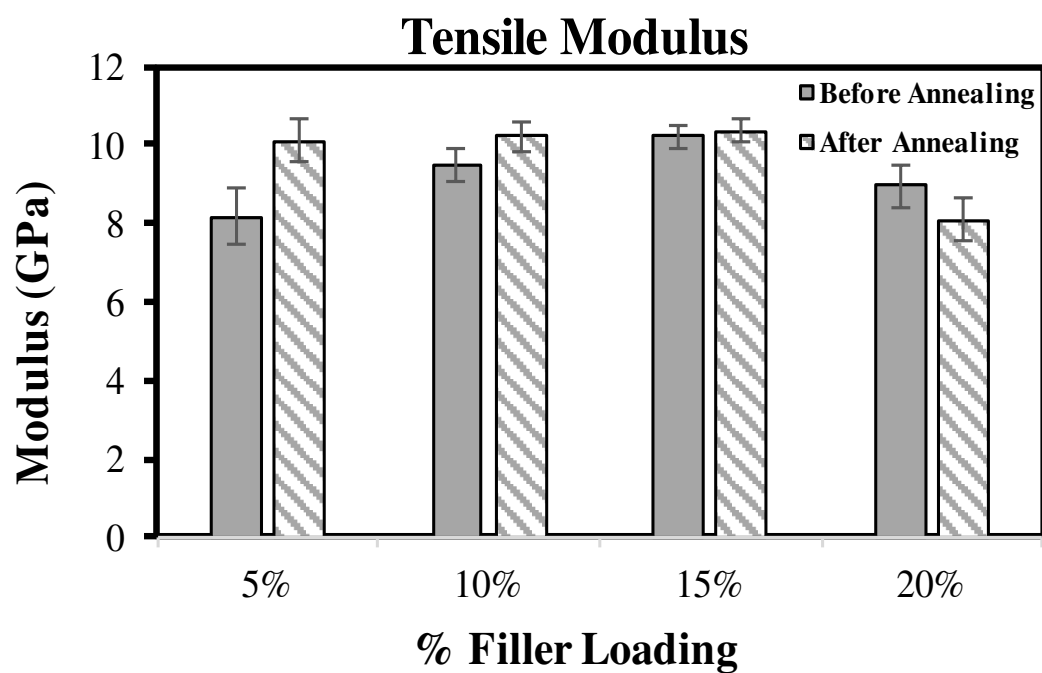
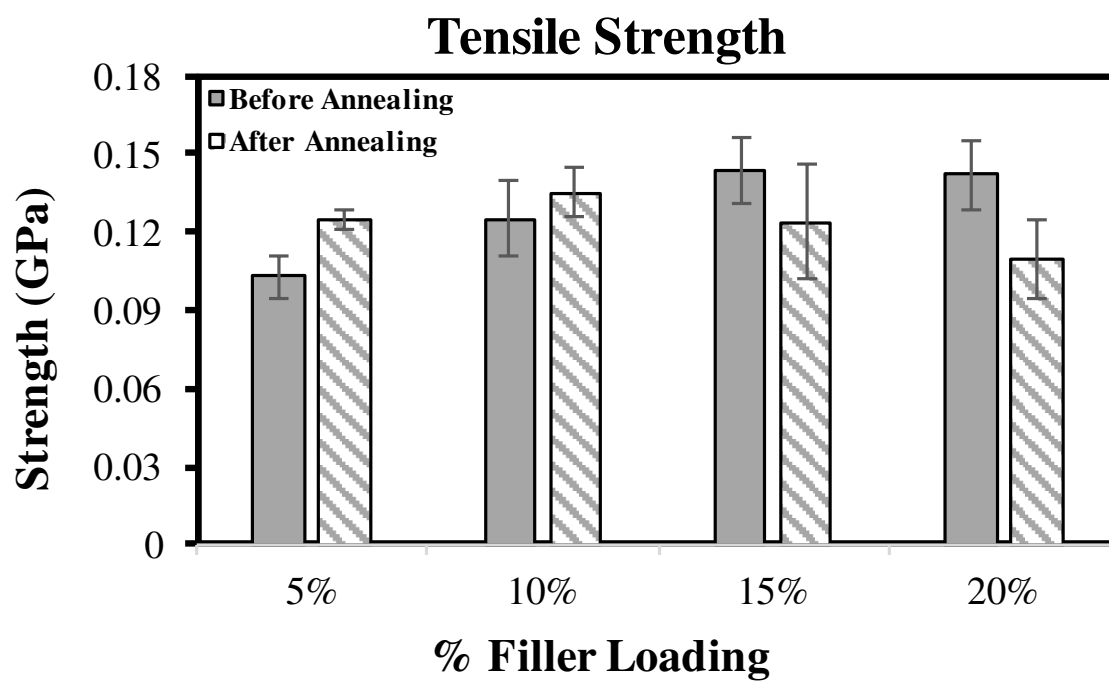
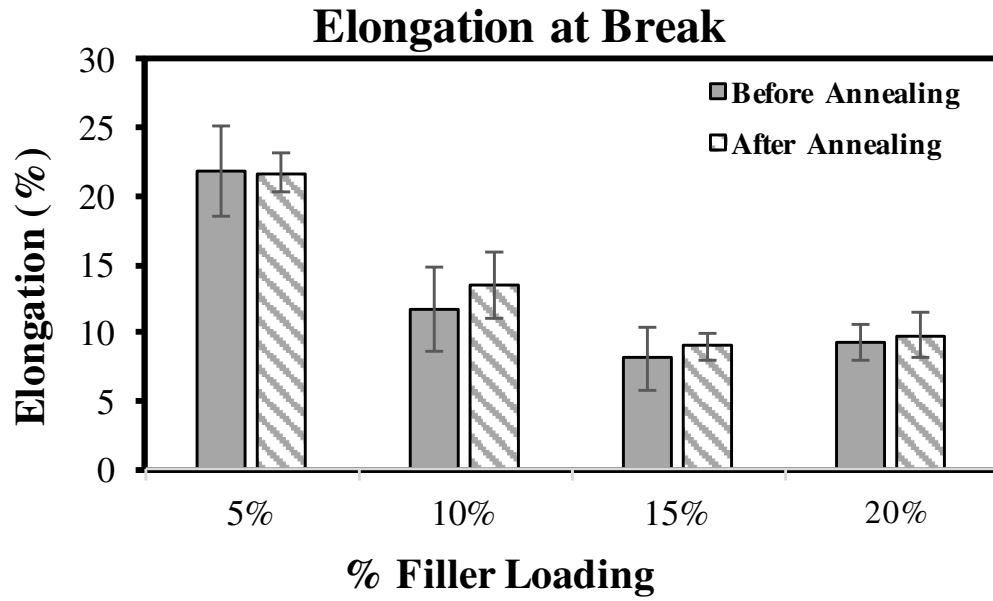
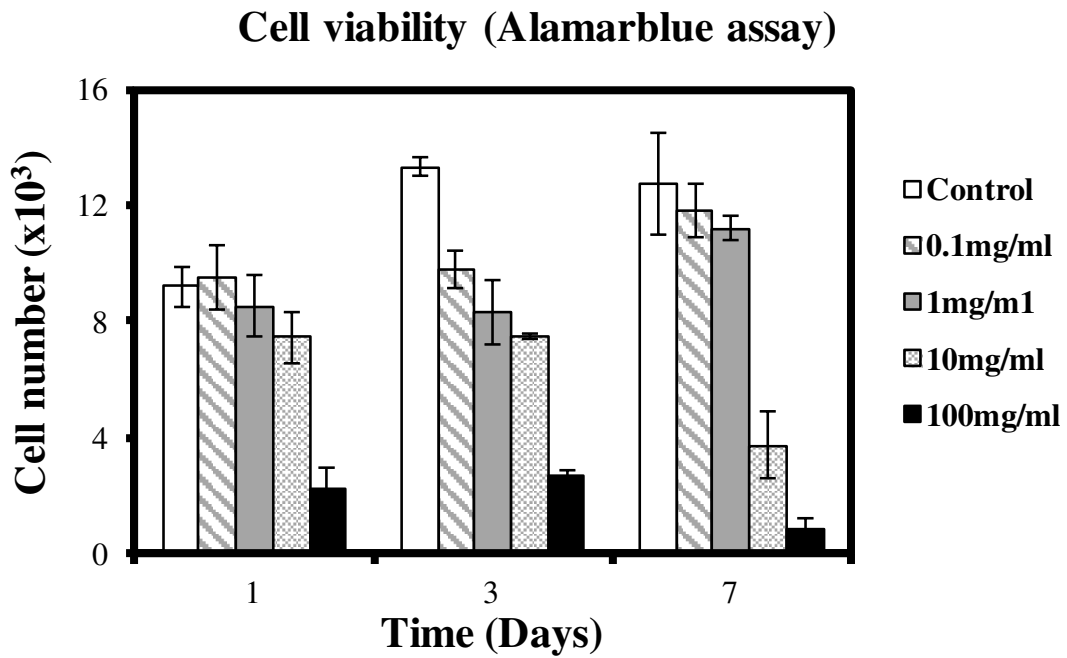
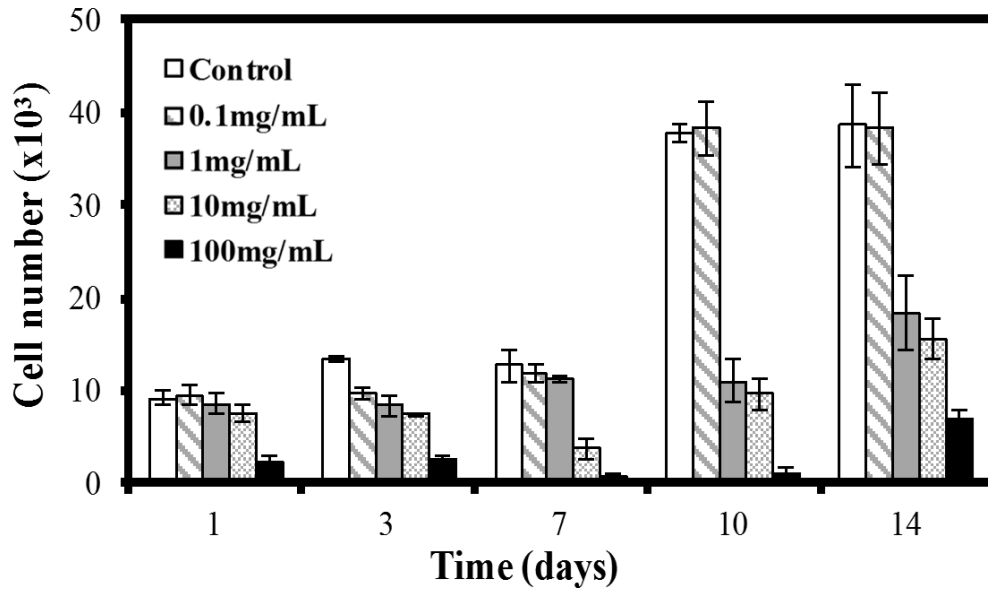
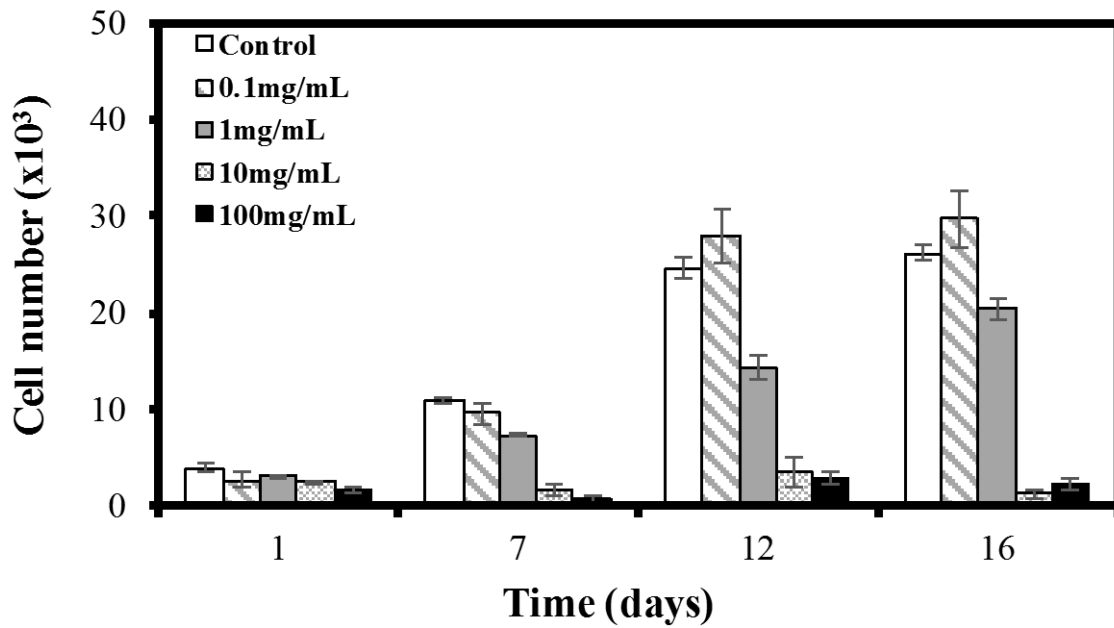


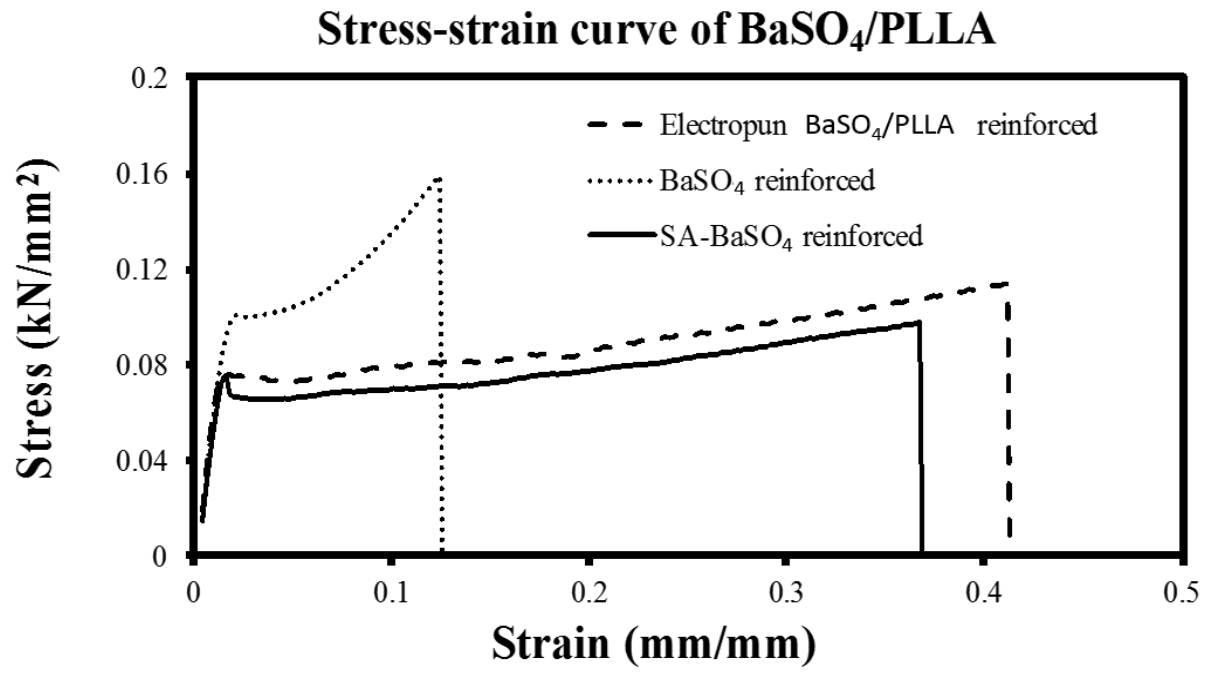
FIG. 12B

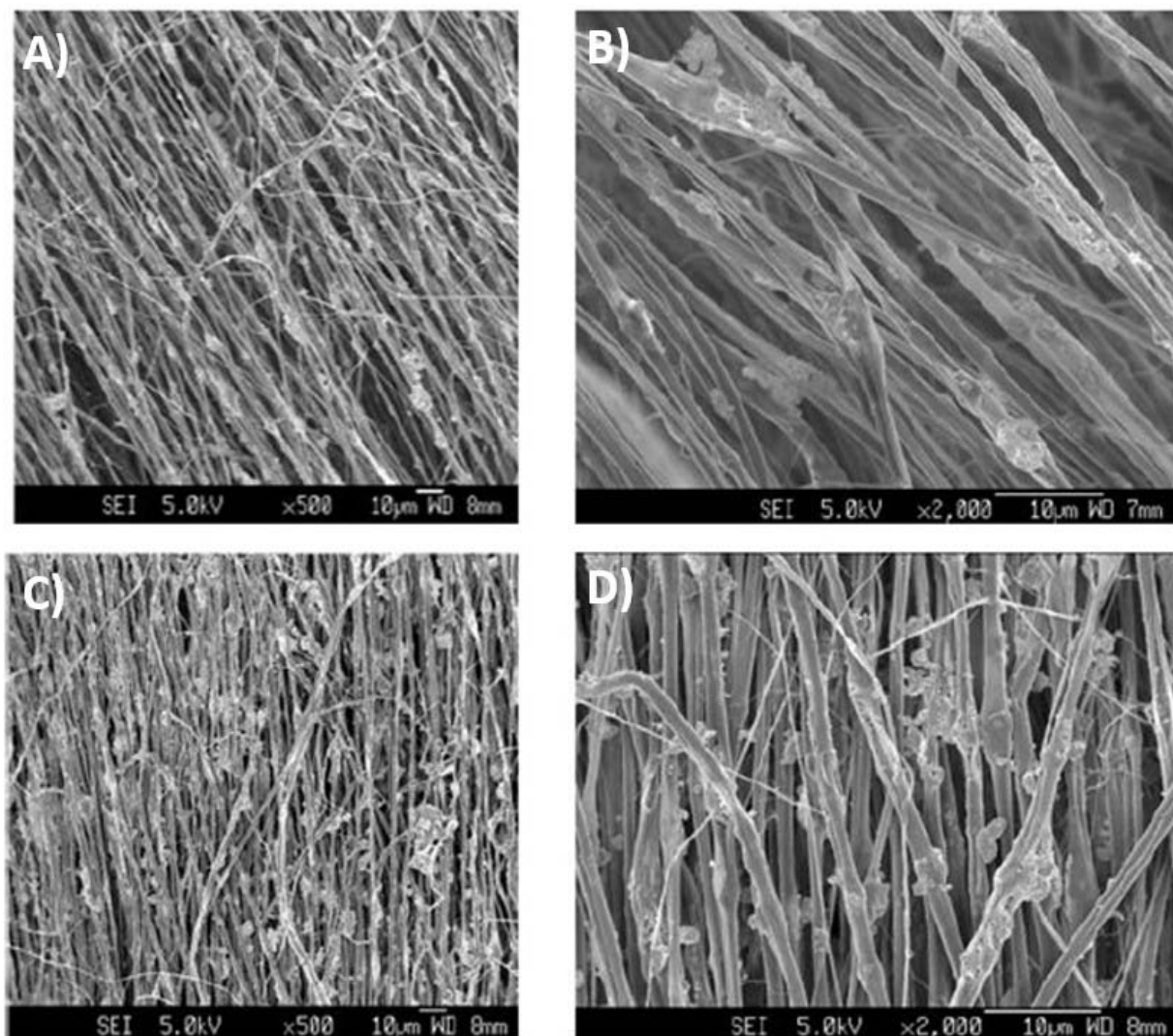
**FIG. 13A****FIG. 13B**

**FIG. 14A****FIG. 14B**

**FIG. 14C****FIG. 15A**

Non-functionalized BaSO₄**FIG. 15B****Functionalized LA-BaSO₄****FIG. 15C**

**FIG. 16**

**FIG. 17**

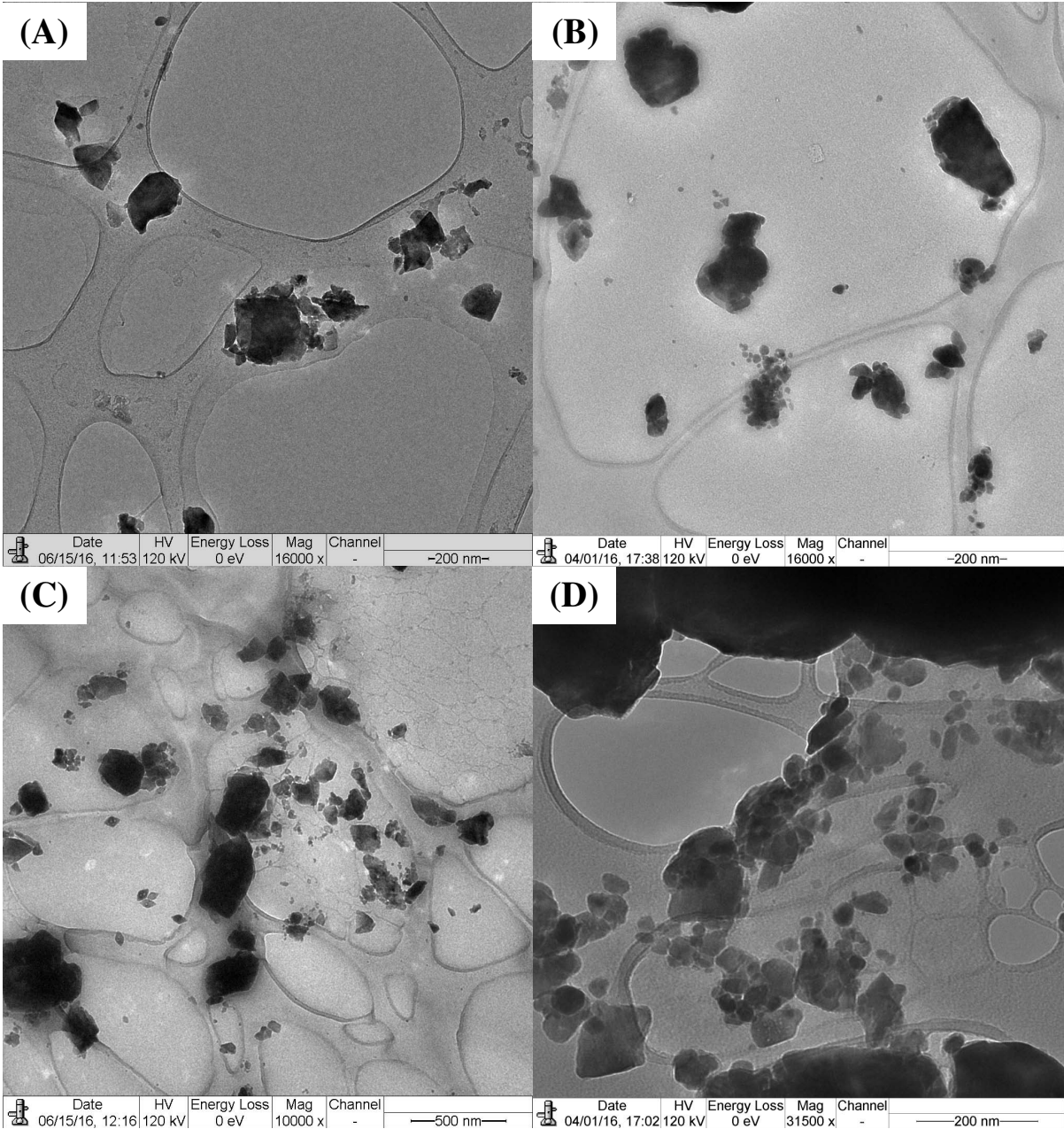


FIG. 18