

# **Green sol-gel routes to bio-composite capsules and gels**

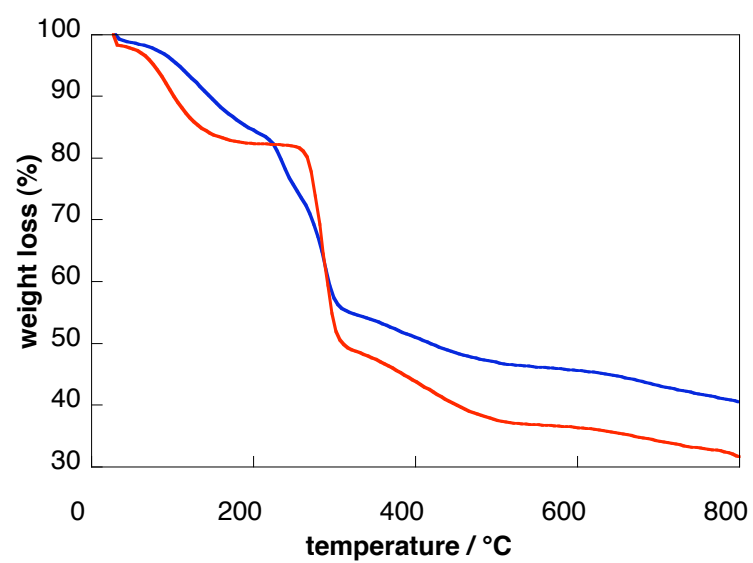
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## **Electronic Supporting Information**

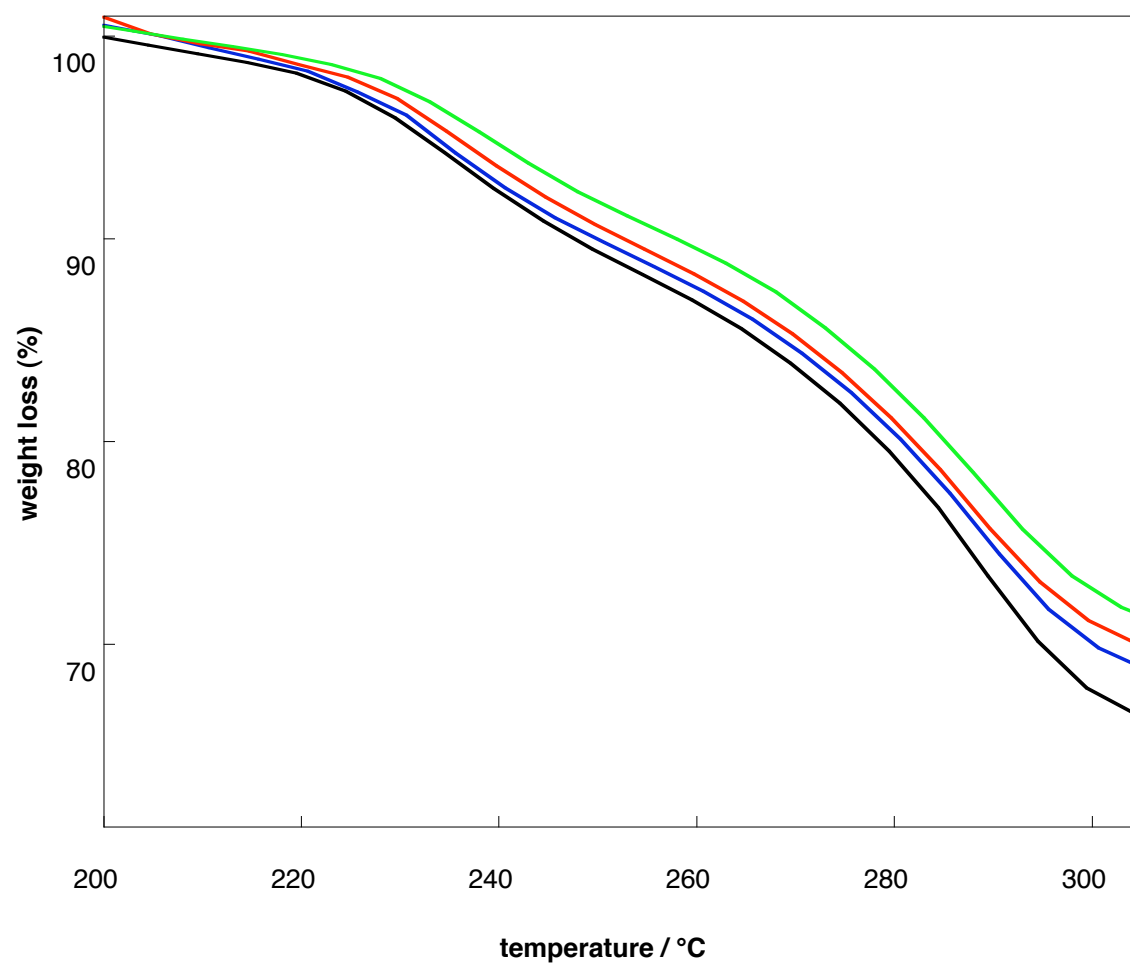
**ESI-1** : TGA curves of the CMC powder

**ESI-2** : TGA curves of selected SiO<sub>2</sub>/CMC systems

**ESI-3** : selected images of silica-coated agarose beads



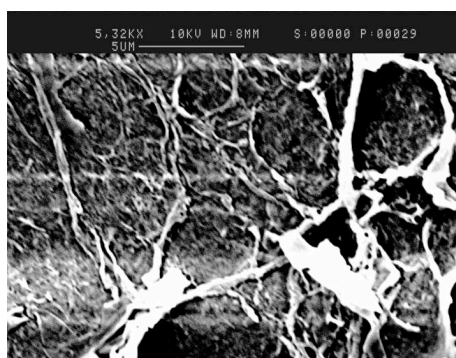
**ESI-1** : TGA curves of the initial CMC powder (red ) and the freeze-dried CMC solution (blue)



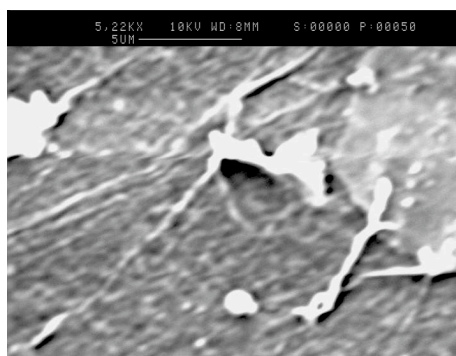
**ESI-2** : Normalized TGA curves for SiO<sub>2</sub>:CMC systems at 0 wt% (black), 4 wt% (blue), 8 wt% (red) and 10 wt% (green)



**pH 5, 100 mM SiO<sub>2</sub>, 5 h**



**pH 5, 200 mM SiO<sub>2</sub>, 5 h**



**pH 7, 100 mM SiO<sub>2</sub>, 5 h**

**ESI-3** : selected SEM images of silica-coated agarose beads