Electronic Supplementary Material (ESI) for RSC Advances.

Boosting functional properties of active-CMC films reinforced with agricultural residues-derived cellulose nanofibres

Esther Rincón*[a], Jorge De Haro-Niza[a,b], Ramón Morcillo-Martín[a], Eduardo Espinosa[a], and Alejandro Rodríguez*[a]

[a]BioPrEn Group (RNM940), Chemical Engineering Department, Faculty of Science, Instituto Químico para la Energía y el Medioambiente (IQUEMA), Universidad de Córdoba, 14014, Córdoba (Spain).

[b]Department of Food Science and Technology, Faculty of Veterinary, Universidad de Córdoba, 14014, Córdoba (Spain).

SUPPLEMENTARY INFORMATION

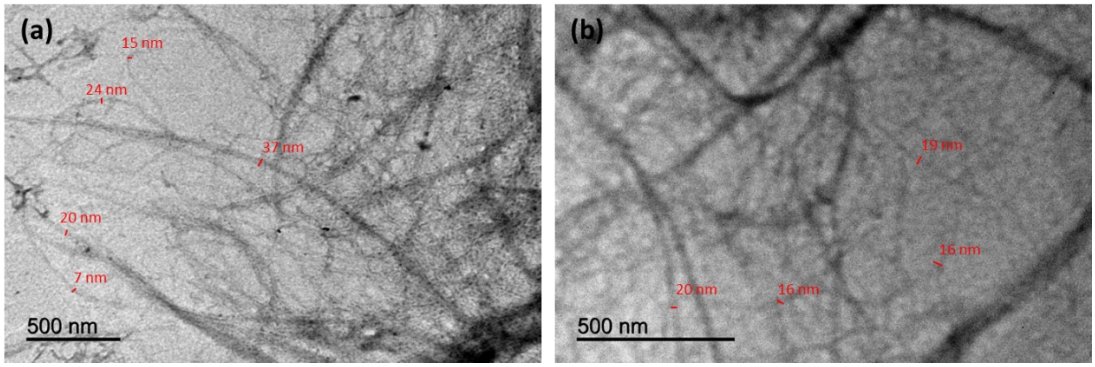

Figure S1. TEM images indicating the diameter of some nanofibres for (a) H-MCNF and (b) V-MCNF.

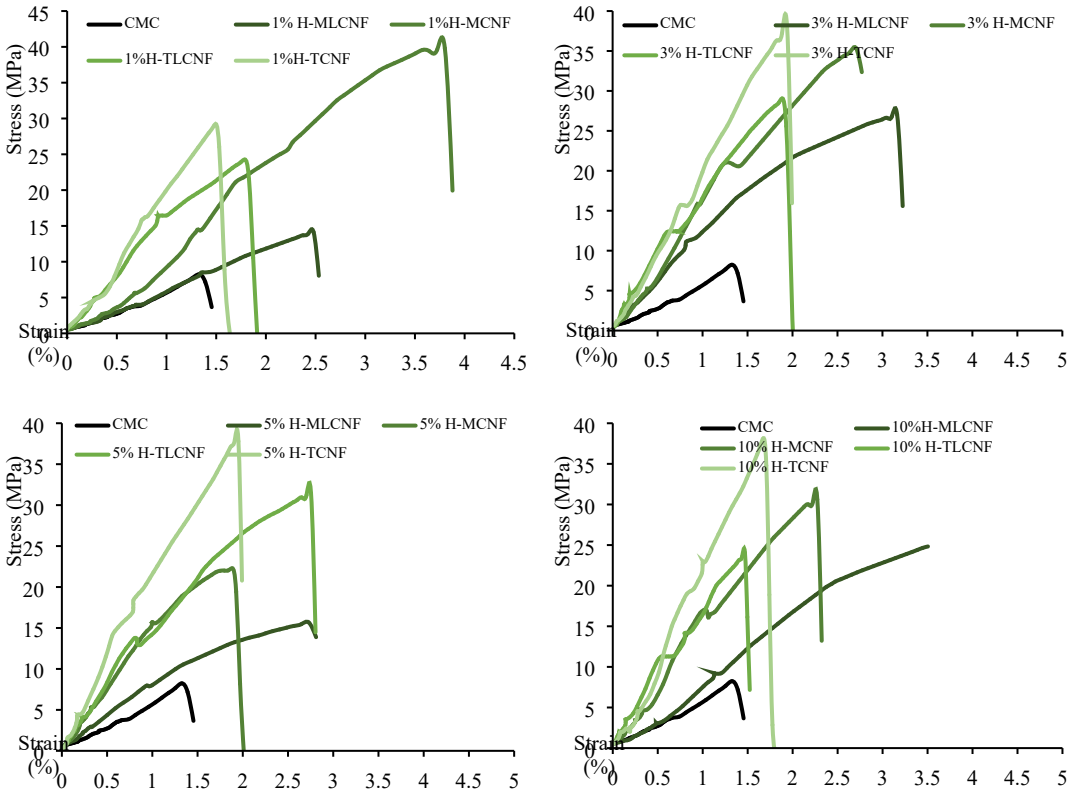

Figure S2. Strain-stress curves from CMC/HR-nanofibres based films.

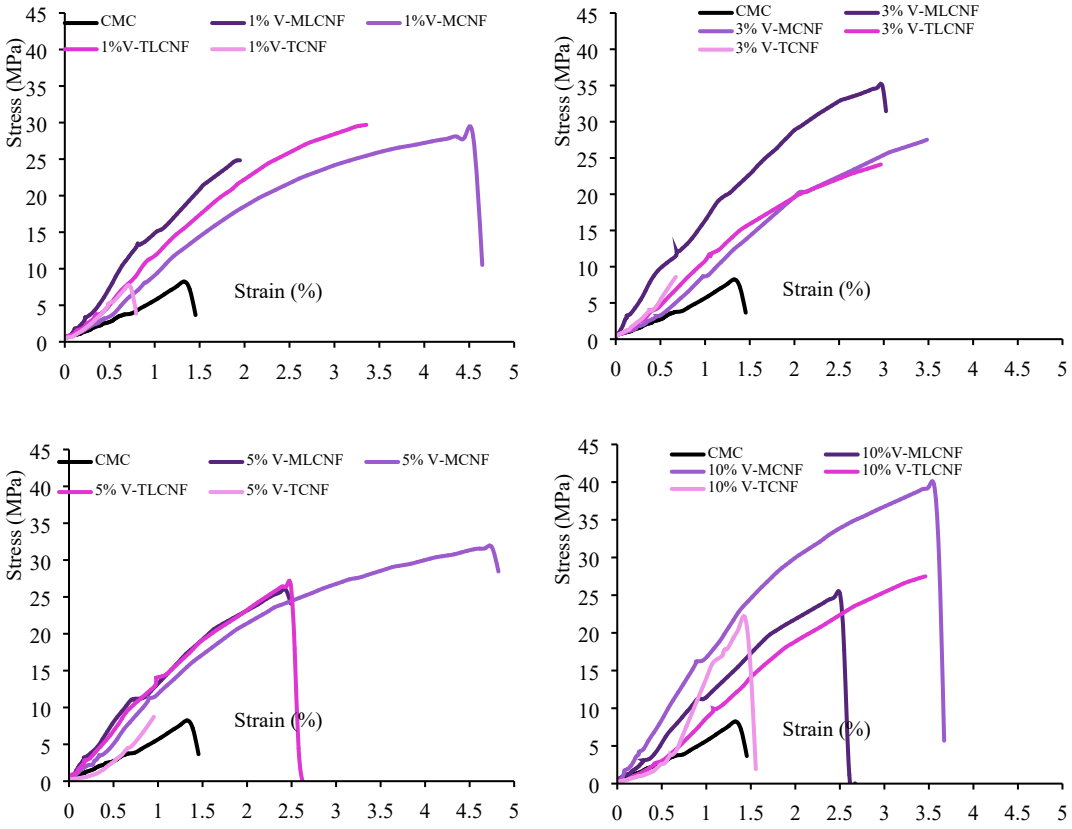

Figure S3. Strain-stress curves from CMC/VS-nanofibres based films.

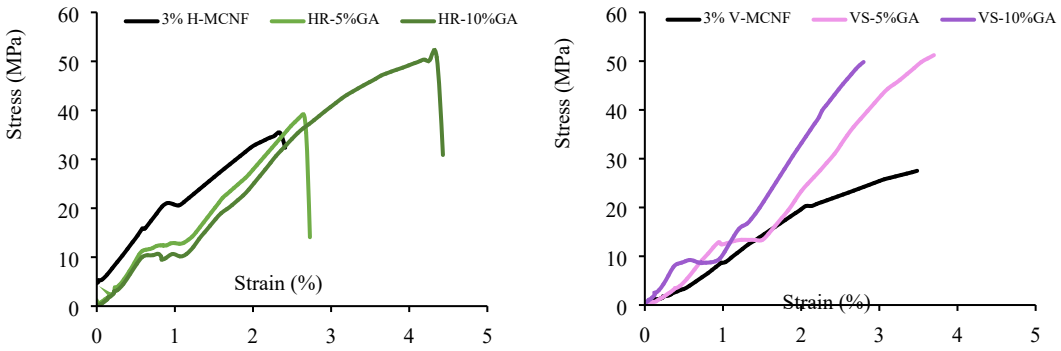

Figure S4. Strain-stress curves of the bioactive films.