"Two choices for the functionalization of silica nanoparticles with gallic acid. Characterization of the nanomaterials and their antimicrobial activity against *Paenibacillus larvae*"

ELECTRONIC SUPPLEMENTARY MATERIAL

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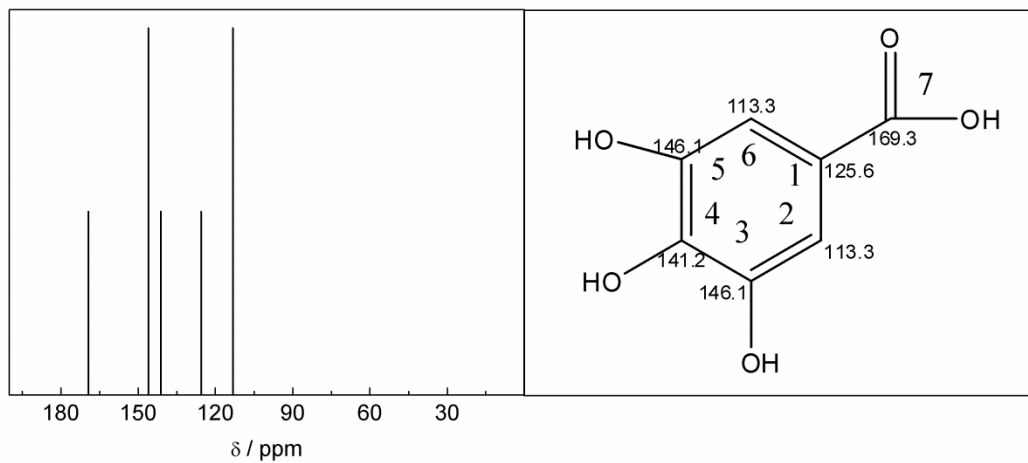
Fig. ESM.1: Simulated lines for the ^{13}C NMR spectrum of GA (left). The numerical results of the simulation are indicated on the chemical structure scheme (right) on the corresponding assigned atom
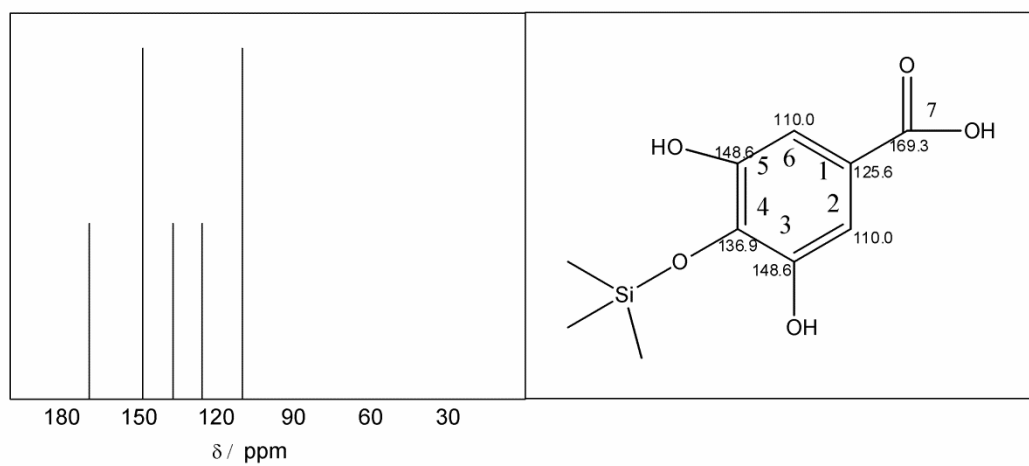
Fig. ESM.2: Simulated lines for the ^{13}C NMR spectrum of GAO-NP bonded by *para* OH (left). The numerical results of the simulation are indicated on the chemical structure scheme (right) on the corresponding assigned atom.
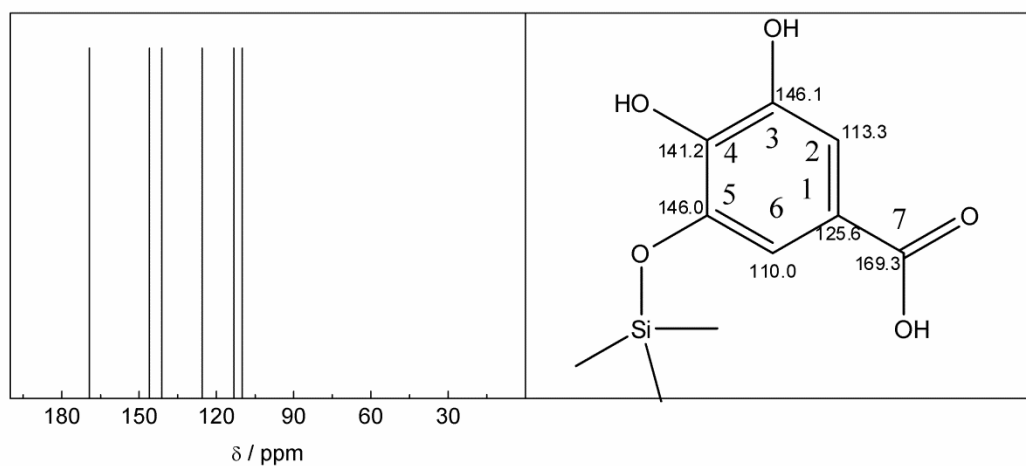

Fig. ESM.3: Simulated lines for the ^{13}C NMR spectrum of GAO-NP bonded by *meta* OH (left). The numerical results of the simulation are indicated on the chemical structure scheme (right) on the corresponding assigned atom.
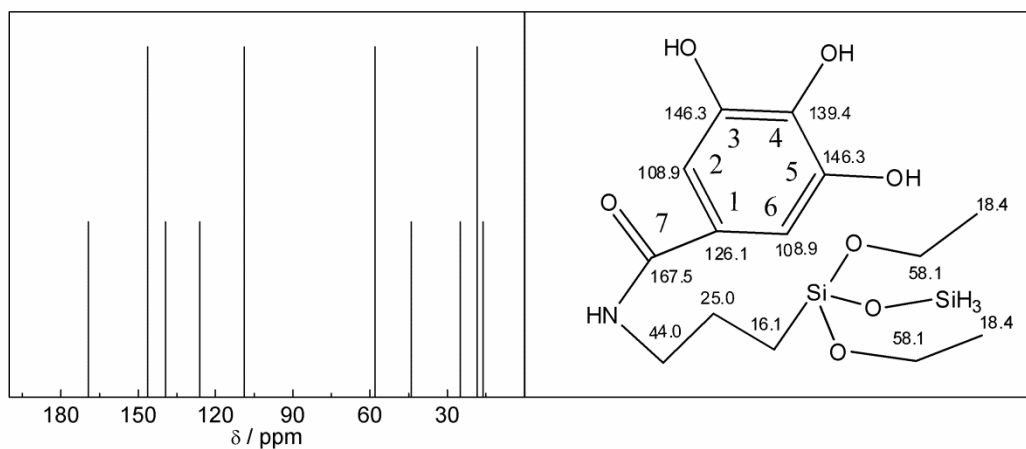
Fig. ESM.4: Simulated lines for the ^{13}C NMR spectrum of GACON-NP. The numerical results of the simulation are indicated on the chemical structure scheme (right) on the corresponding assigned atom.

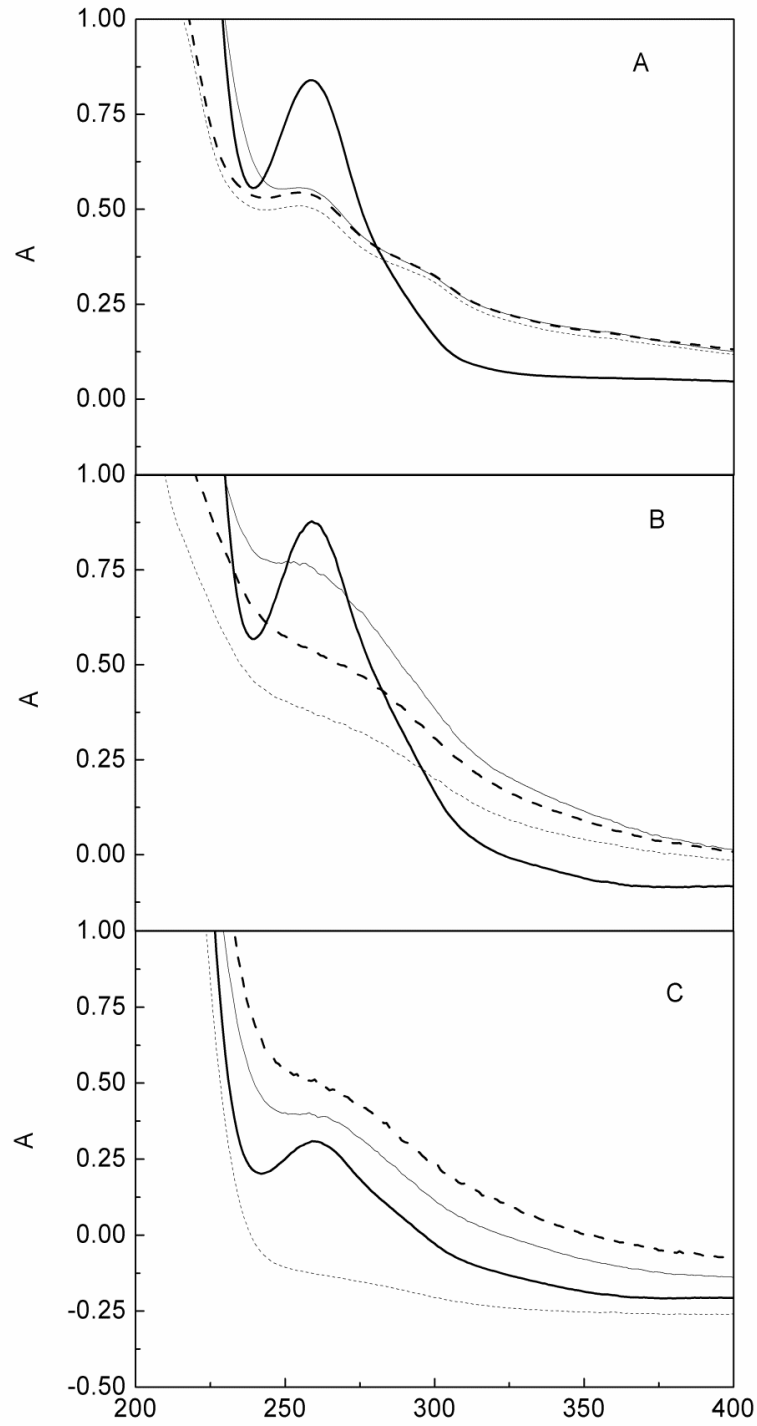UV-Visible absorption spectra data for comparative stability of GA solutions and GA-nanoparticles suspensions.

Fig. ESM.5: UV-Visible absorption spectra at pH 7 of: a) GA, b) GAO-NP and c) GACON-NP at different times in days: 0 (thick solid line), 2 (thin solid line), 5 (dashed line) and 10 (dotted line).