Figure 1. Synthesis of solid silver nanoparticles and suspension by obtaining tree tomato and guava extracts. The color change of the solution over time indicates the presence of nanoparticles in it.

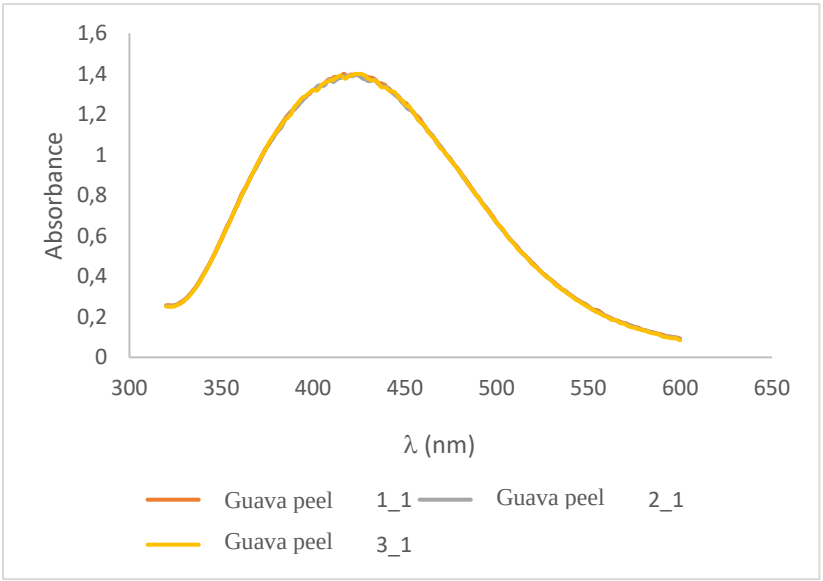

Figure 2: UV-vis spectrum of silver nanoparticles obtained with guava extract

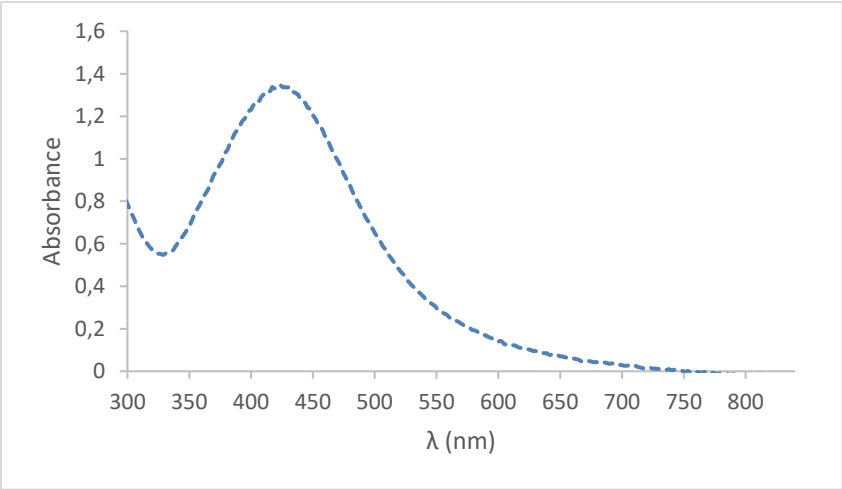

Figure 3: UV-vis spectrum of silver nanoparticles obtained with tree tomato extract

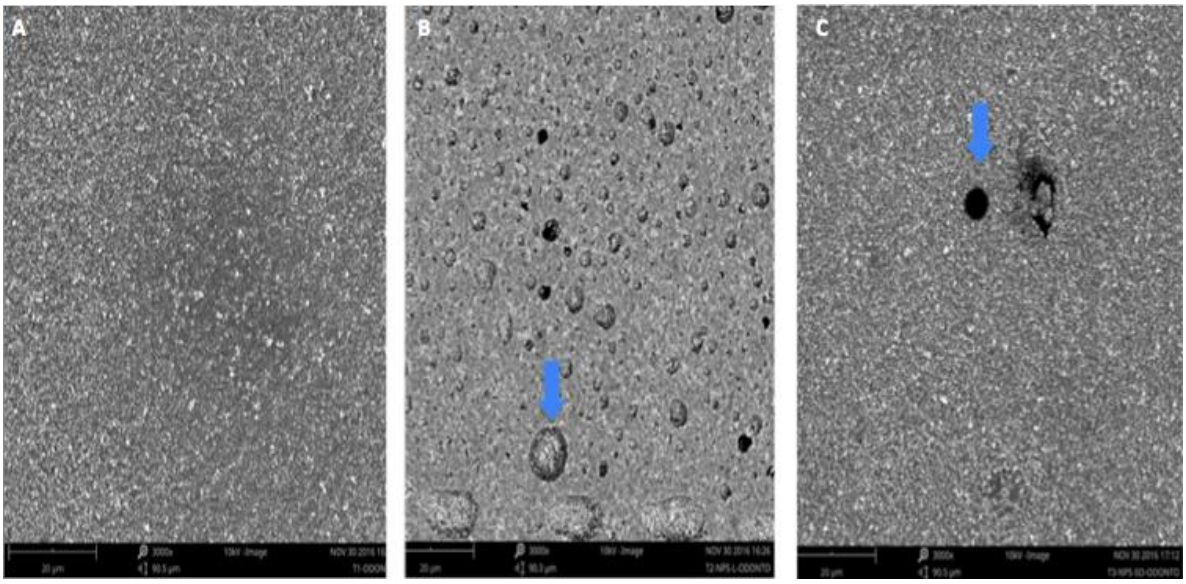

Figure 4 (A-C): Images obtained by SEM at 20um, 3.000x. (A) Zinc oxide eugenol (B) Zinc oxide eugenol + nanoparticles in suspension. The arrow shows the presence of silver nanoparticles in the material. (C) Zinc oxide eugenol + solid nanoparticles. The arrow shows the presence of solid silver nanoparticles immersed in the material.

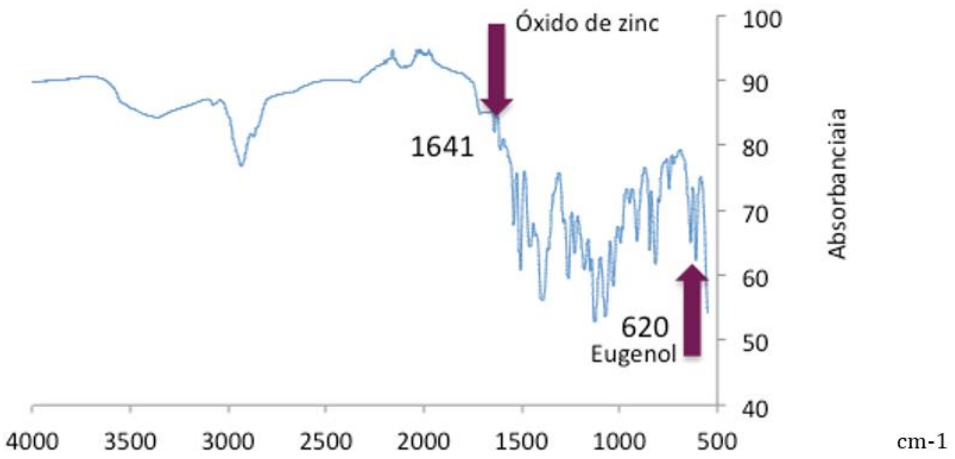

Figure 5: FTIR of zinc oxide eugenol

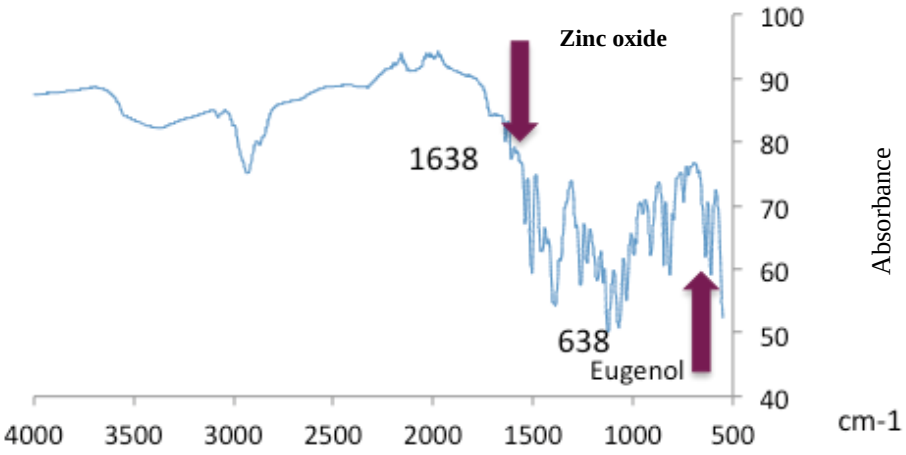

Figure 6: FTIR of zinc oxide eugenol with silver nanoparticles in suspension

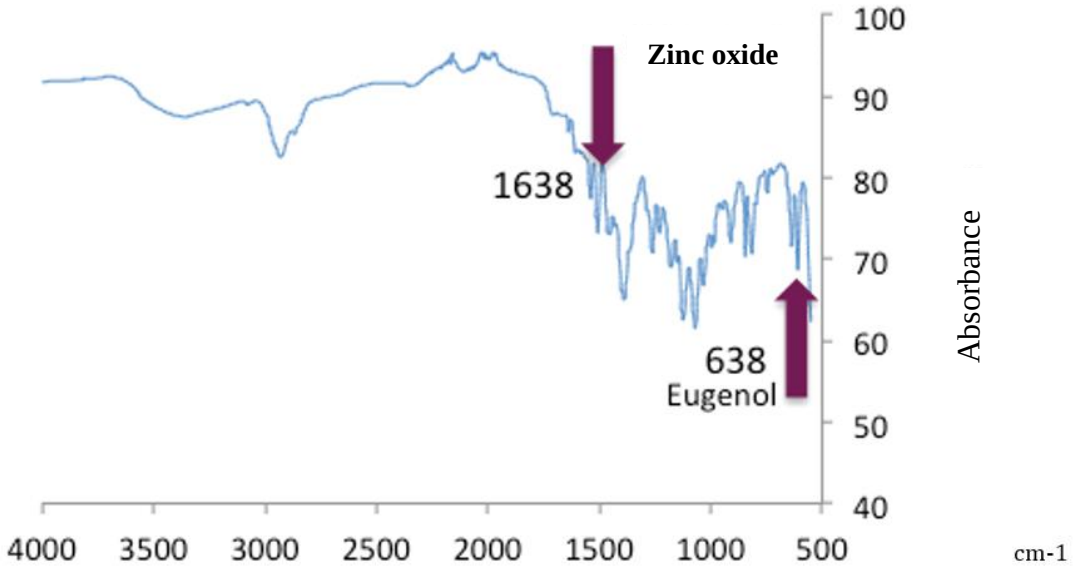

Figure 7: FTIR of zinc oxide eugenol with solid silver nanoparticles

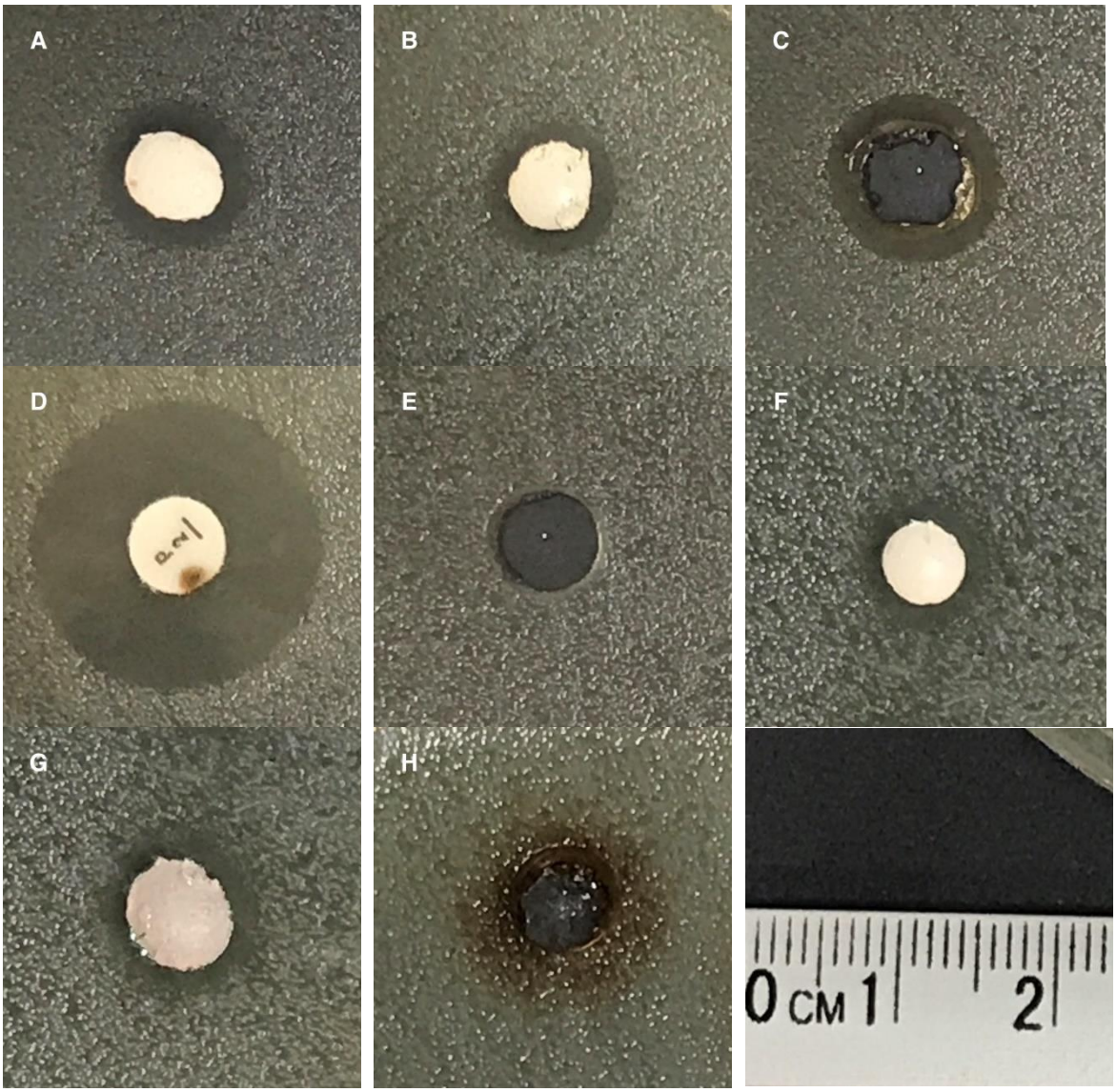

Figure 8 (A-C): Inhibition halos: (A) Zinc oxide eugenol (B) Zinc oxide eugenol with silver nanoparticles in tree tomato extract (C) Silver nanoparticles in suspension in tree tomato extract (D) Positive control, Penicillin G (E) Negative control, saline solution (F) Zinc oxide eugenol with nanoparticles suspended in guava extract (G) Zinc oxide eugenol with solid nanoparticles (H) Nanoparticles suspended in guava extract