

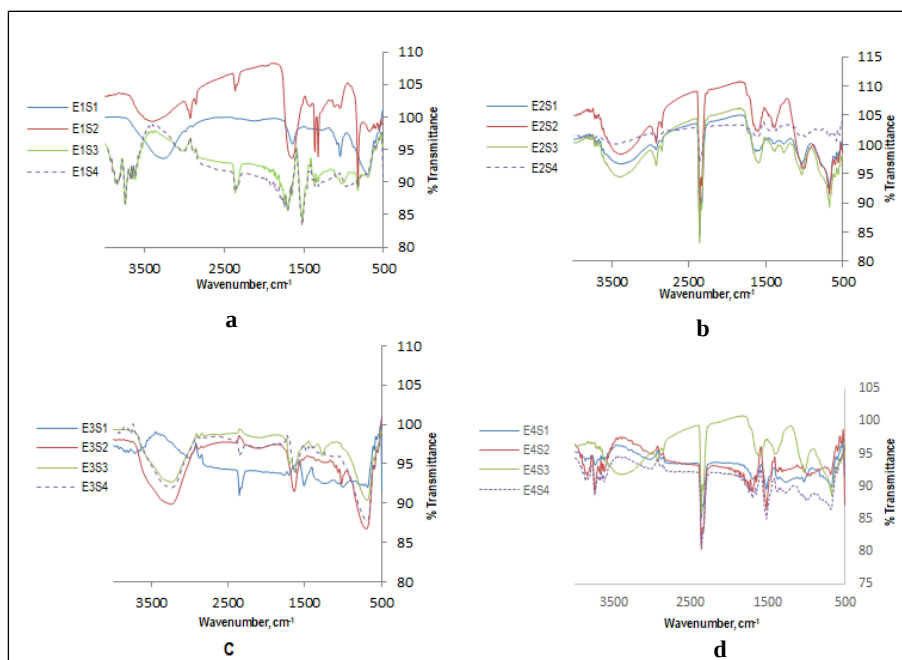


Figure 4. FTIR spectra of the CuNPs as affected by the solvents used in the four methods of extraction: (a) hot infusion; (b) maceration; (c) hot reflux; and (d) fermentation (S1 = rice wine; S2 = rice wash; S3 = apple cider vinegar; S4 = distilled water)

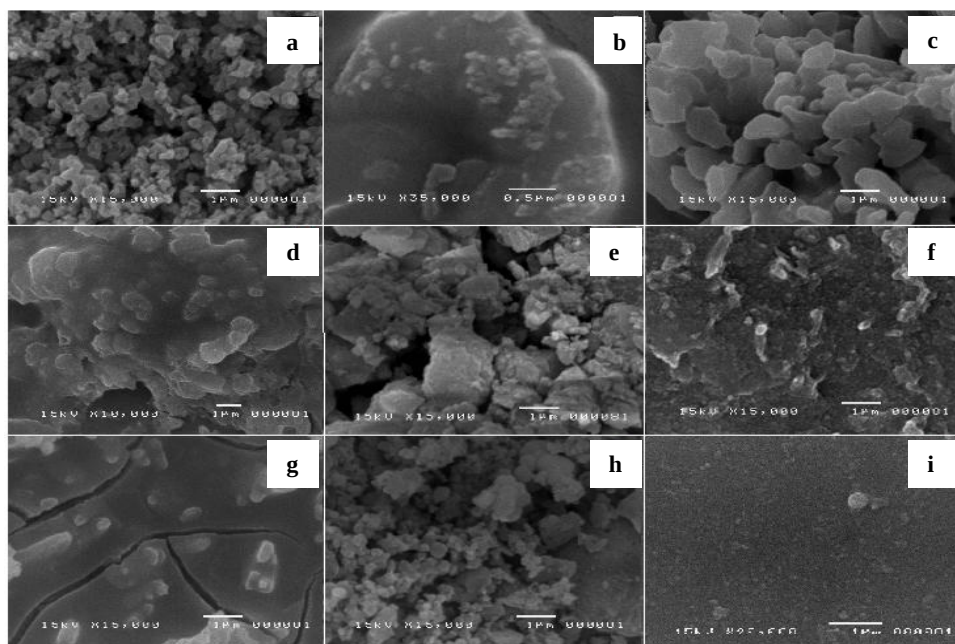


Figure 5. SEM photomicrograph of green synthesized CuNPs using (a) rice wine-hot infusion (E_1S_1); (b) apple cider vinegar-hot infusion (E_1S_3); (c) distilled water-by hot infusion (E_1S_4); (d) rice wash-maceration (E_2S_2); (e) distilled water-maceration (E_2S_4); (f) rice wine-hot reflux (E_3S_1); (g) rice wash-hot reflux (E_3S_2); (h) rice wine-fermentation (E_4S_1); and (i) distilled water-fermentation (E_4S_4)