

Supplementary Materials: Polystyrene-Poly(methyl methacrylate) Silver Nanocomposites: Significant Modification of the Thermal and Electrical Properties by Microwave Irradiation

Edreese H. Alsharaeh

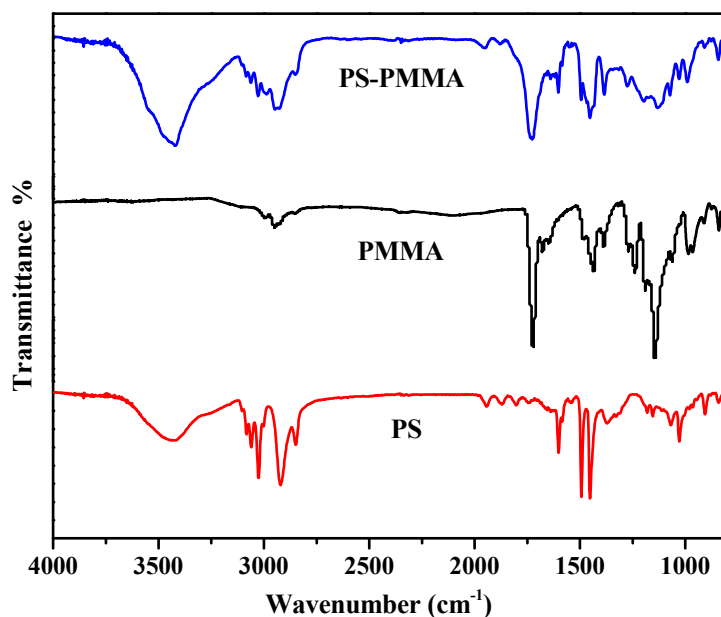


Figure S1. FTIR spectra of neat Polymers Polystyrene (PS), Poly methyl methacrylate (PMMA), and Polystyrene-Poly(methyl methacrylate) (PS/PMMA).

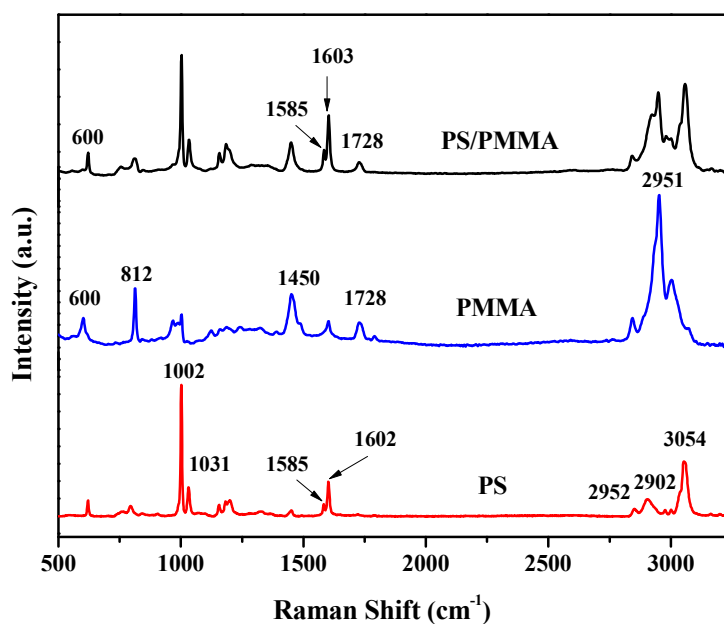


Figure S2. Raman spectra of polymers Polystyrene (PS), Poly methyl methacrylate (PMMA), and Polystyrene-Poly(methyl methacrylate) (PS/PMMA).

Table S1. Summary of the thermal behavior data obtained from TGA and DSC measurements.

Sample	$T_{\text{deg}}^{\text{a}}$ (°C)	T_{g} (°C)
PS	333	118
PMMA	176	127
PS-PMMA	300	79

^a: The degradation temperature obtained from the DrTG (derivative thermogram) in the decomposition stage.