

**Analysis of impacts of exogenous pollutant bisphenol-A penetration on soybeans roots
and its biological growth**

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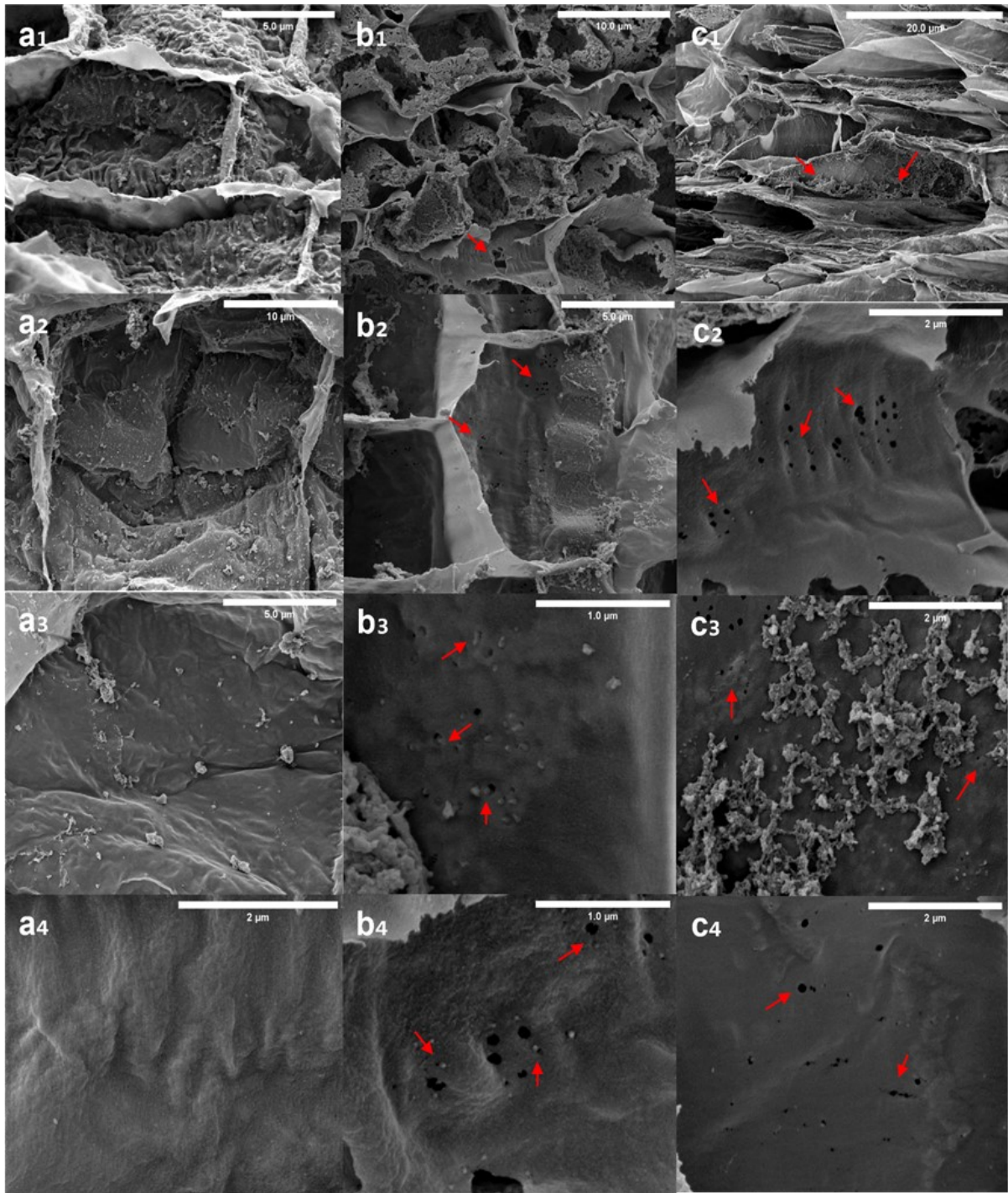


Fig. SI. 1. Ultrastructural changes in the root tissue of soybean seedlings exposed to 50 mg/L BPA for 28 days. (a₁-a₄) Control, (b₁-b₄), and (c₁-c₄) are BPA exposed samples.

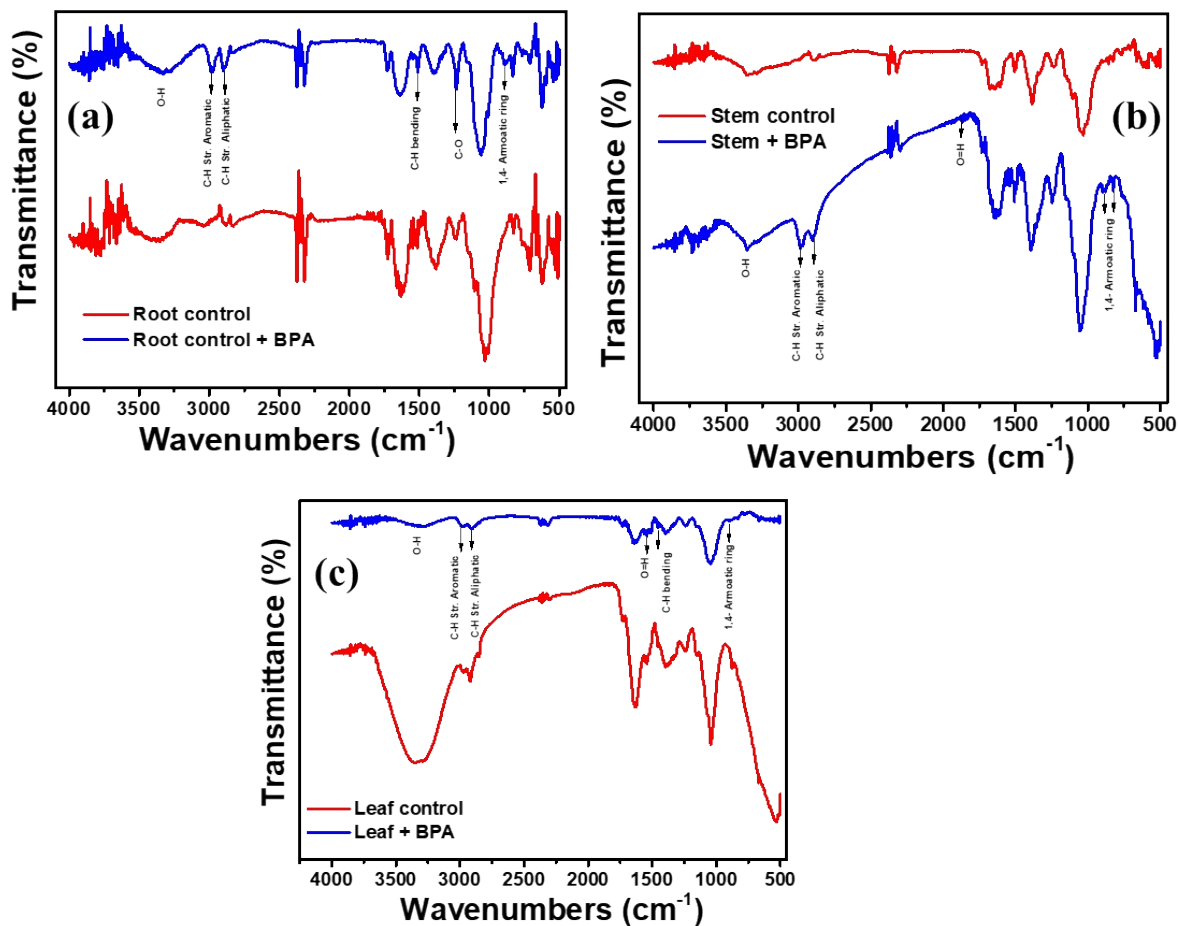


Fig. SI. 2. Detailed FTIR spectra comparison of (a) root (b) stem and (c) leaf of soybean seedlings exposed to 50 mg/L BPA for 28 days.

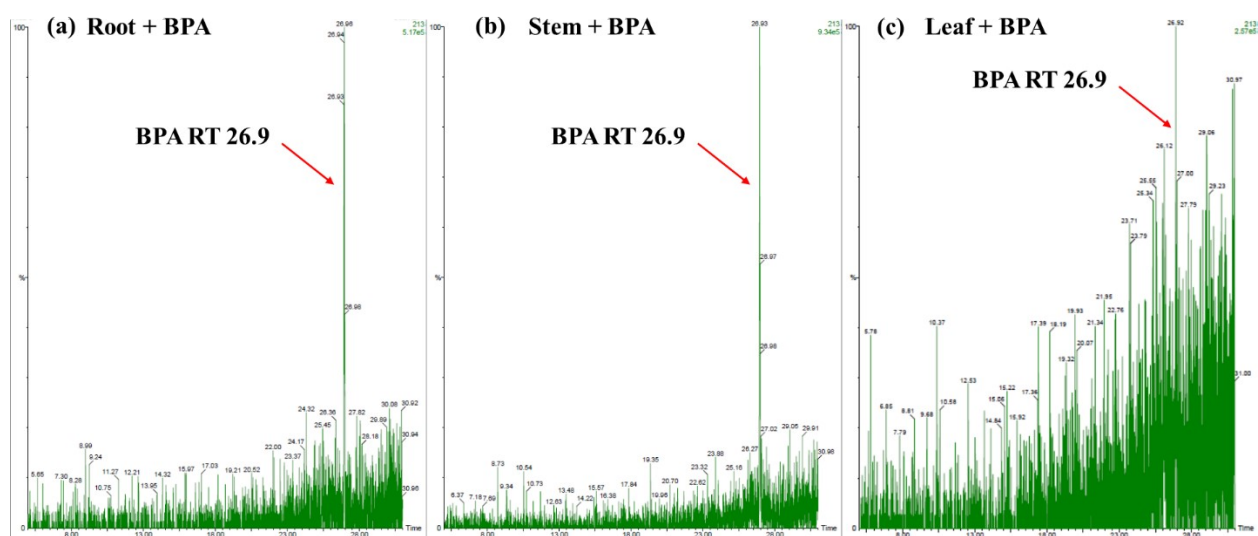


Fig. SI. 3. GC-MS spectra of (a) root (b) stem and (c) leaf of soybean seedlings exposed to 50 mg/L BPA for 28 days.

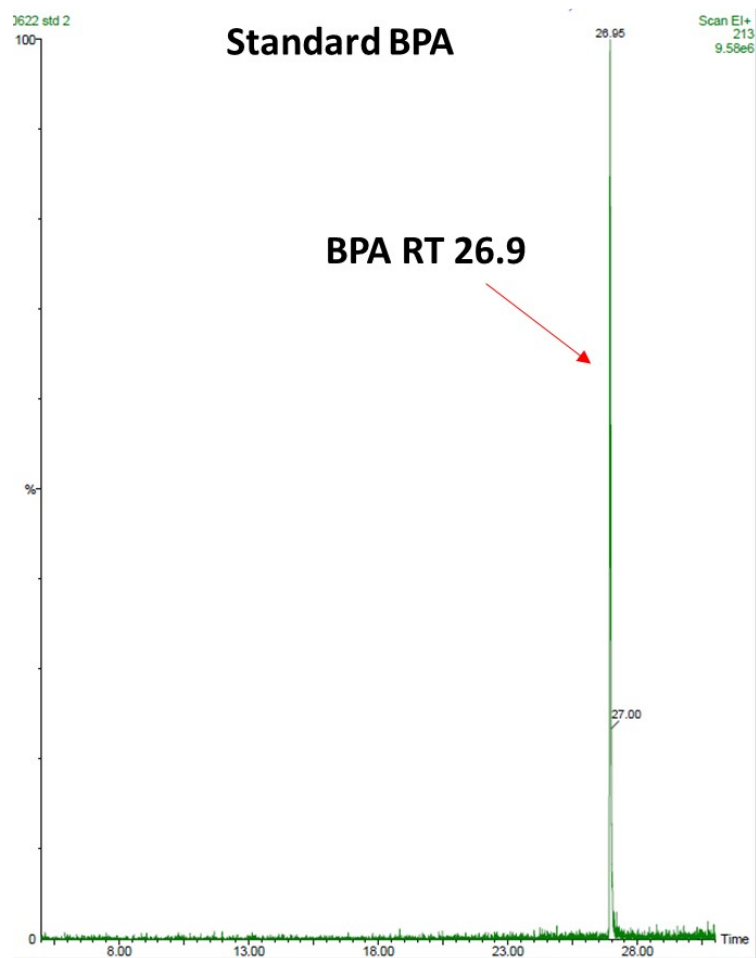


Fig. SI. 4. GC-MS spectra of standard BPA solution.

Table. SI. 1. Mass spectra fragments of standard BPA solution.

Analyte	Precursor ion (m/z)	Confirmation	
		Product ion (m/z) $[C_{14}H_{13}O_2]^+$	Collision energy (eV)
BPA	228.29	213	70