

Issue on 10.1038/s41598-024-63585-9

Several abnormalities are observed on the infrared spectra in Figure 12(a) of this article [1]. The back line in Figure 12 (a) appears to be a composite of multiple segments. Specifically, the locations marked by red arrows indicate apparent junctions between segments, while the inconsistent line thickness observed at green arrow further suggest manipulation artifacts. Unusual step-like features are also observed in the red cycle.

10.1038/s41598-024-63585-9 Abnormalities on Infrared Sepctra

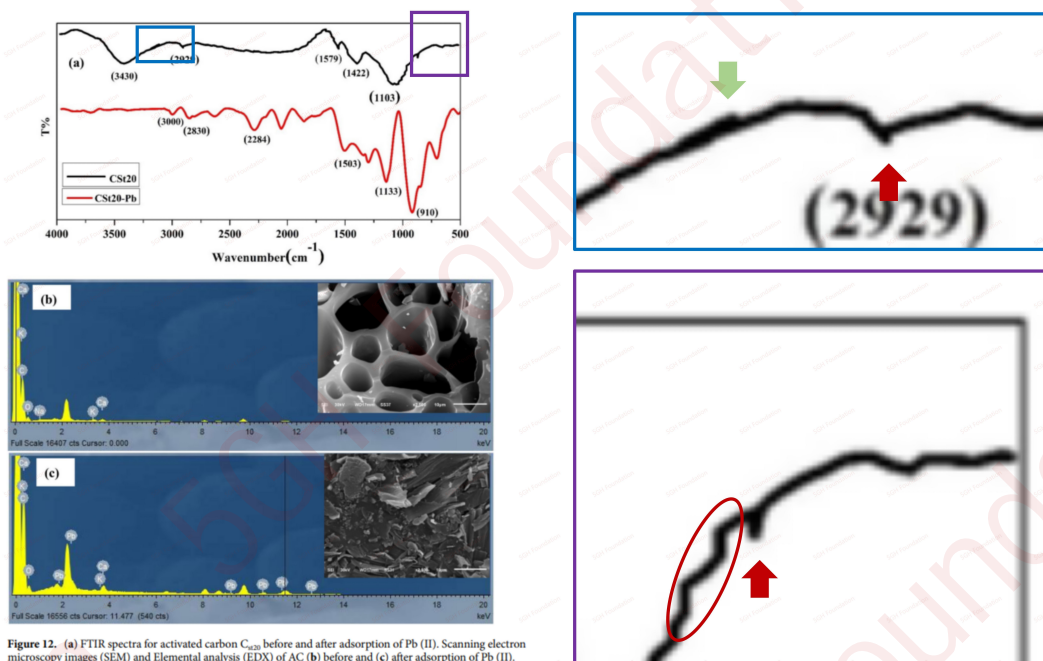


Figure 12. (a) FTIR spectra for activated carbon C_{60} before and after adsorption of Pb(II). Scanning electron microscopy images (SEM) and Elemental analysis (EDX) of AC (b) before and (c) after adsorption of Pb(II).

[1] 10.1038/s41598-024-63585-9

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