

### Electronic Supplementary Information (ESI)

New Series of Honeycomb Ordered Oxides,  $\text{Na}_3\text{M}_2\text{SbO}_6$  (M (II) = Mn, Fe, (Mn, Fe), (Mn,

Co)): Synthesis, Structure and Magnetic Properties†

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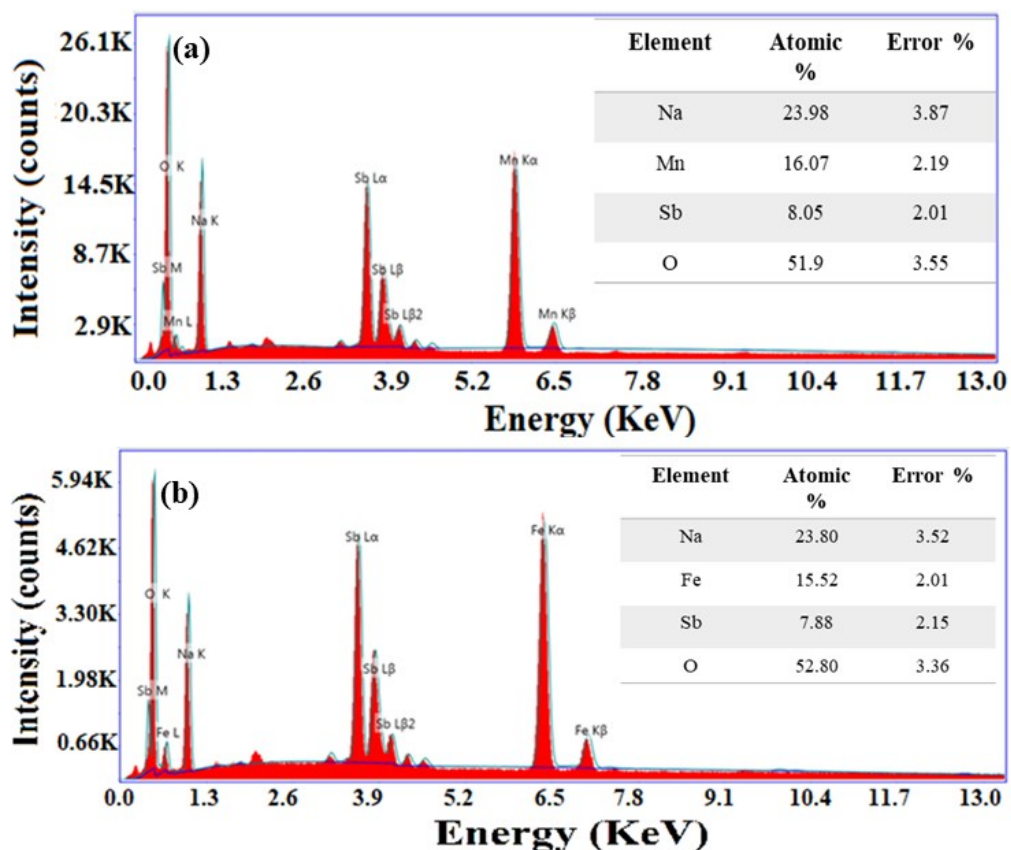
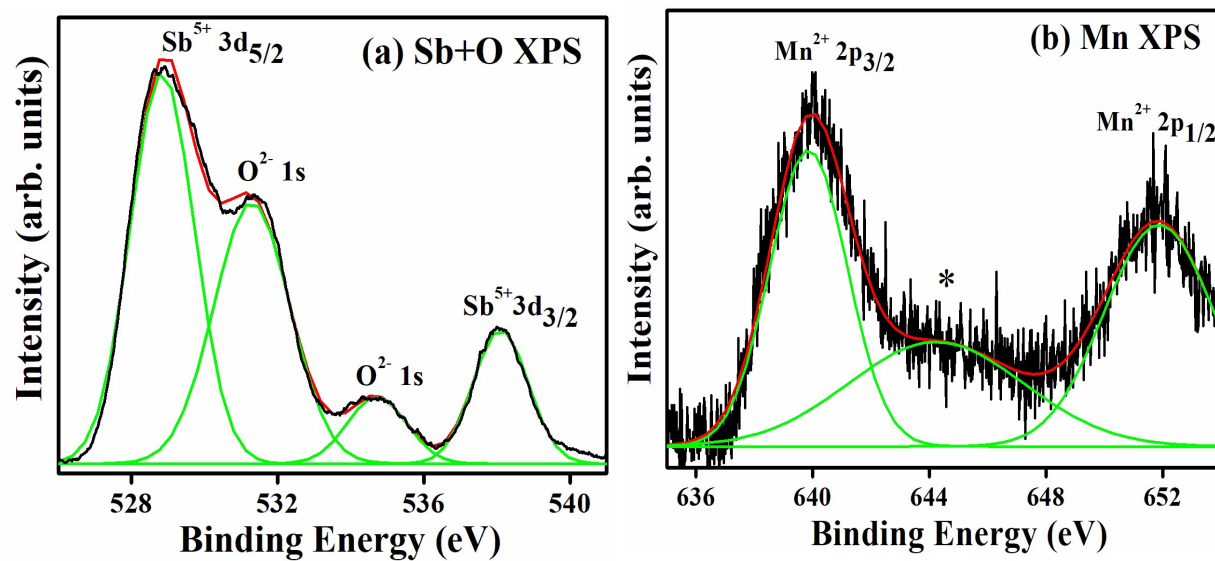
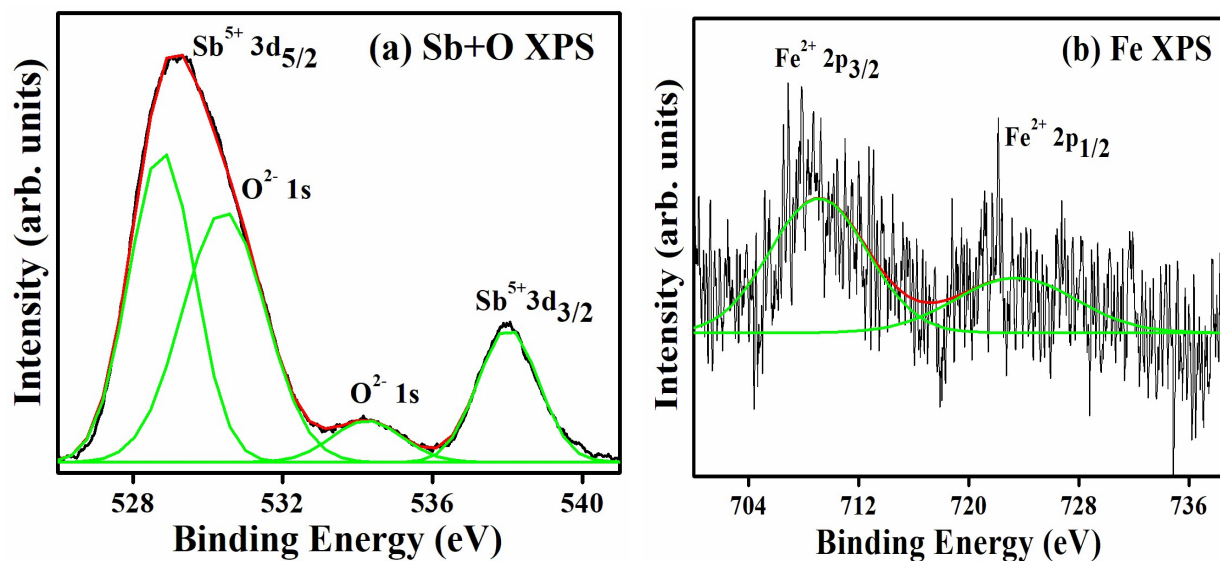


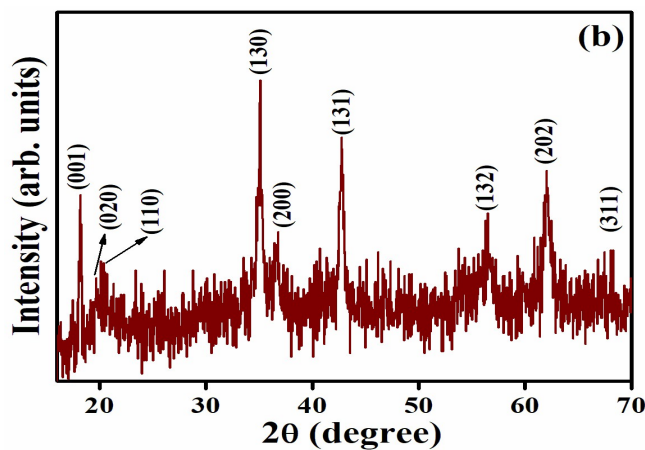
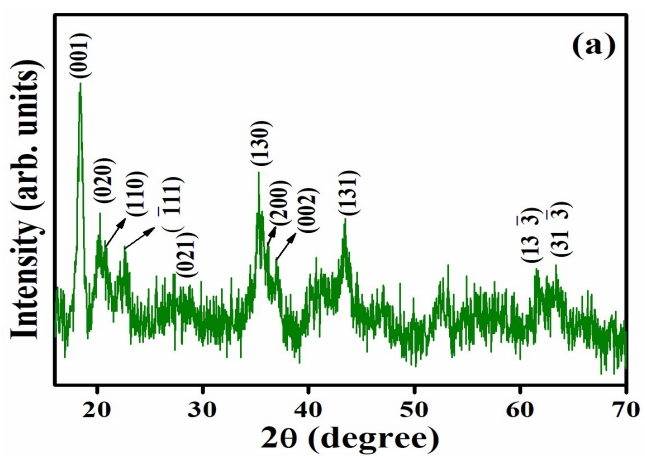
Figure S1. EDS spectra of polycrystalline (a)  $\text{Na}_3\text{Mn}_2\text{SbO}_6$  and (b)  $\text{Na}_3\text{Fe}_2\text{SbO}_6$ .



**Figure S2.** Core level X-ray photoelectron spectra of the (a) Sb 3d and O 1s and (b) Mn 2p peaks of  $\text{Na}_3\text{Mn}_2\text{SbO}_6$ .



**Figure S3.** Core level X-ray photoelectron spectra of the (a) Sb 3d and O 1s and (b) Fe 2p peaks of  $\text{Na}_3\text{Fe}_2\text{SbO}_6$ .



**Figure S4.** PXRD pattern along with Bragg reflections plot for Li<sup>+</sup> exchanged products of (a) Na<sub>3</sub>Mn<sub>2</sub>SbO<sub>6</sub> and (b) Na<sub>3</sub>Fe<sub>2</sub>SbO<sub>6</sub>.