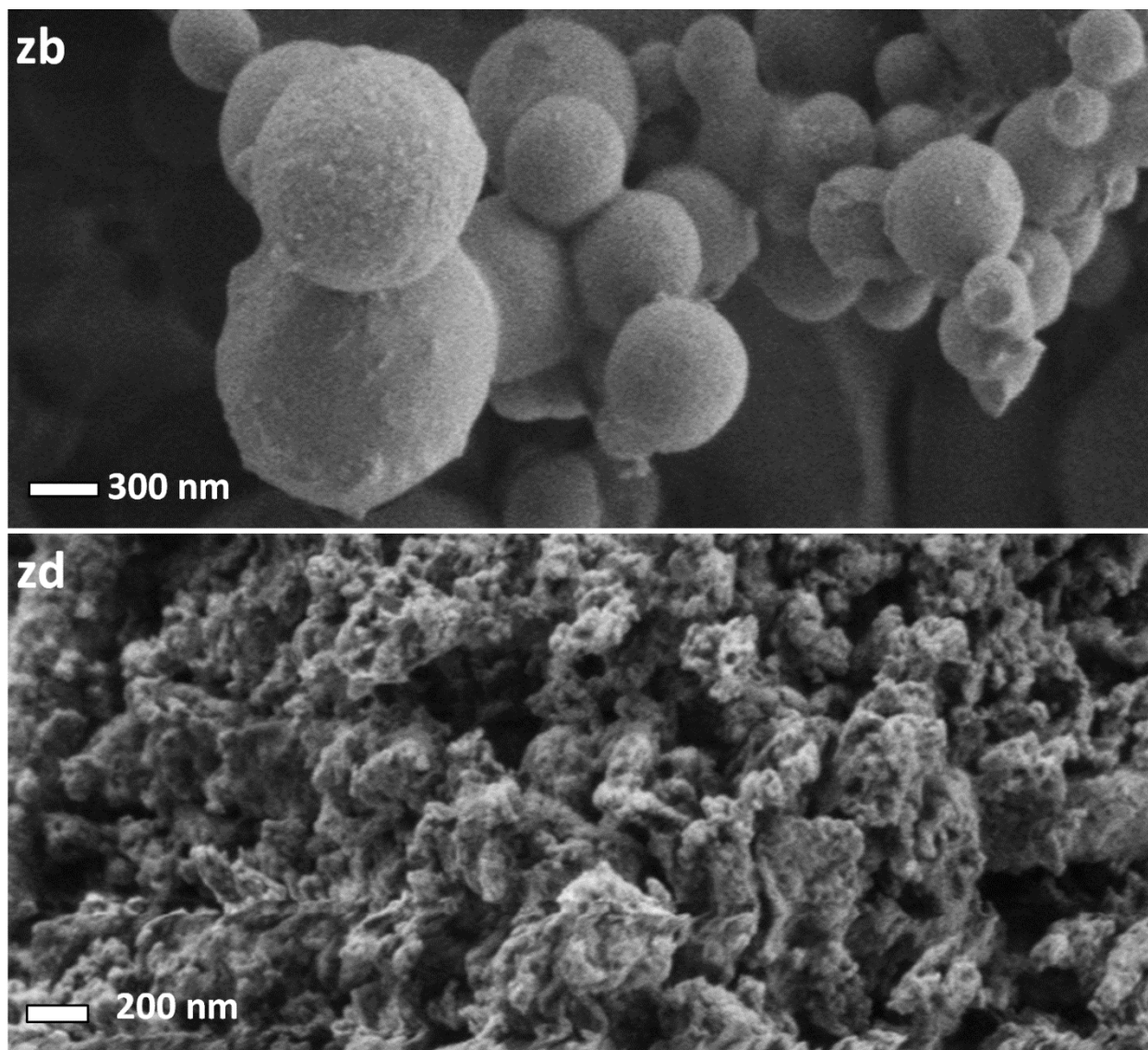
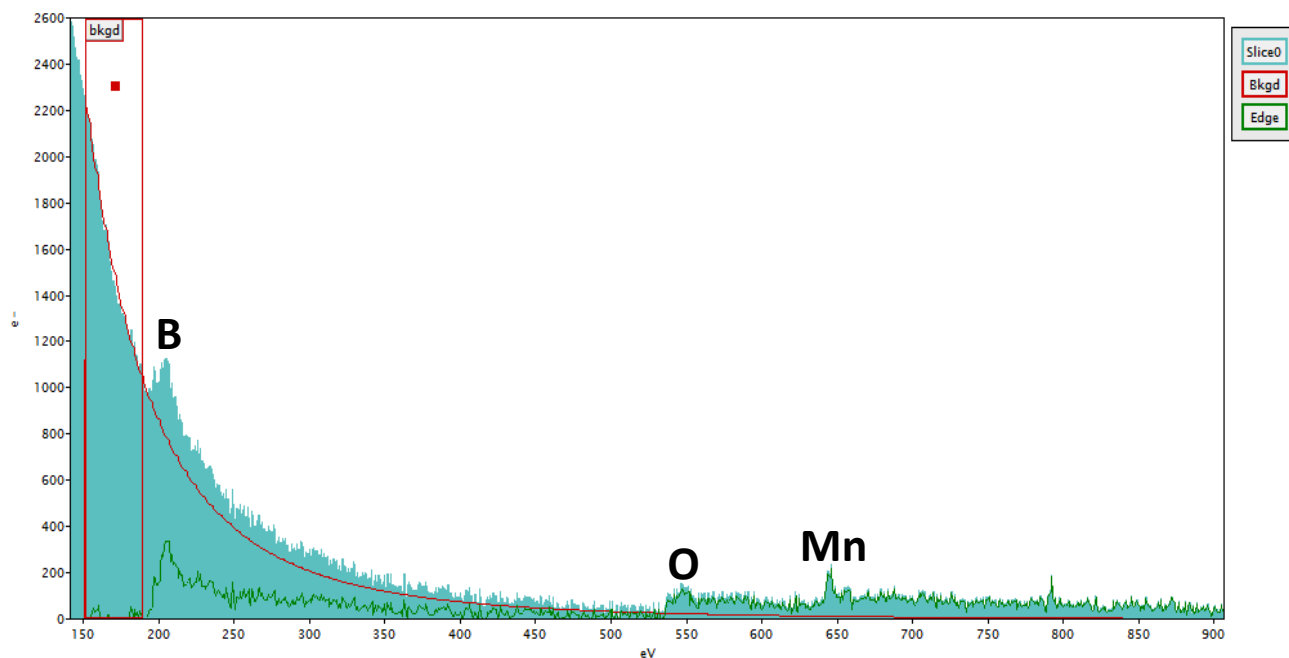


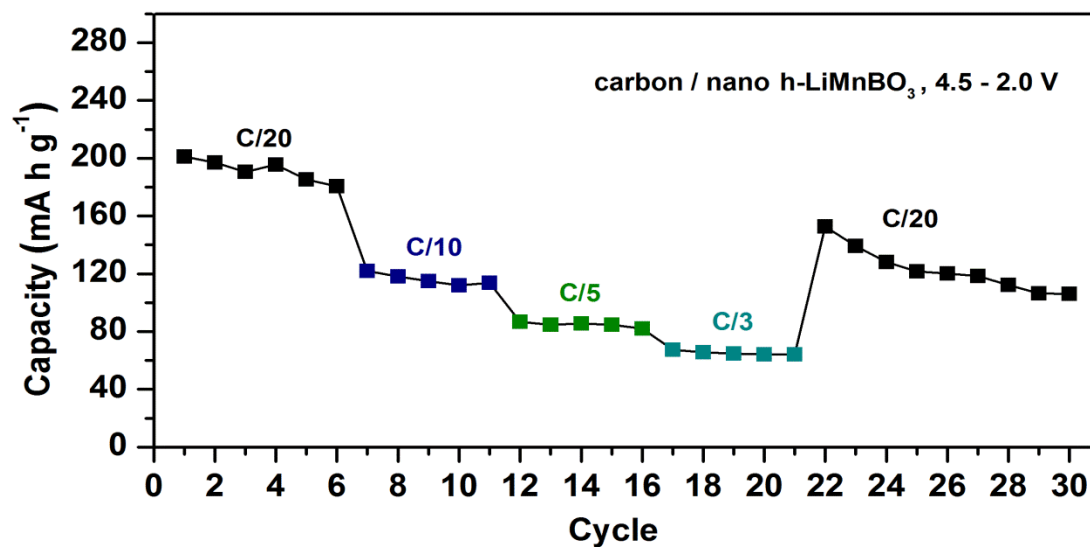
Supplementary Information for “A Low Dimensional Composite of Hexagonal Lithium Manganese Borate (LiMnBO_3), a Cathode Material for Li-ion Batteries”



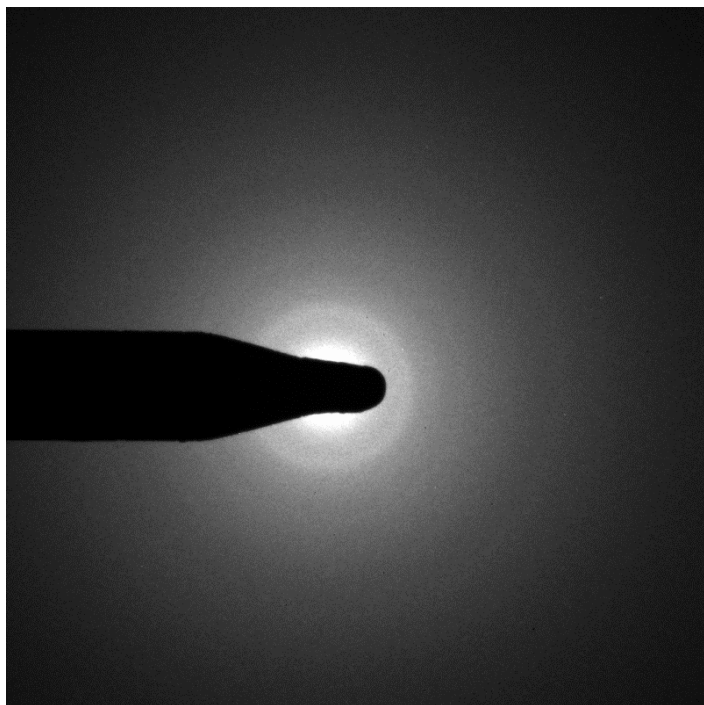
Supplementary Figure S1. Zoomed in regions of the scanning electron microscopy (SEM) images from the main text displaying surface morphologies: zb) amorphous nano-spheres, zd) carbon / nano h- LiMnBO_3 composite.



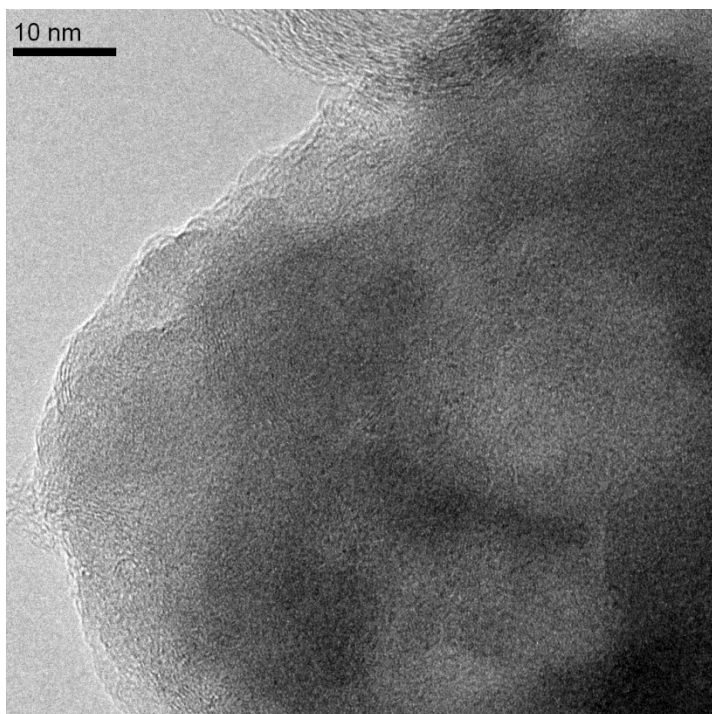
Supplementary Figure S2. EELS spectrum from the sample region in Figure 3a confirming the presence of Mn, B and O in amorphous nano-spheres.



Supplementary Figure S3. The rate capability of carbon / nano h-LiMnBO₃ composite within 4.5 – 2.0 V at C/20, C/10, C/5 and C/3 rates (at room temperature).



Supplementary Figure S4. Electron diffraction pattern of an electrode of the carbon / nano h-LiMnBO₃ composite in the discharged state after 50 cycles lacking any reflection further proving the amorphization of the electrode material.



Supplementary Figure S5. Transmission electron microscopy image (TEM) of the cycled electrode material displaying the amorphous nature with a lack of order even at 10 nm resolution.

