Synthesis, sintering by Cool-SPS and characterization of $A_2Cu(CO_3)_2$ (A = K, Na): evidences for multiferroic and magnetoelectric cupricarbonates

Supplementary data

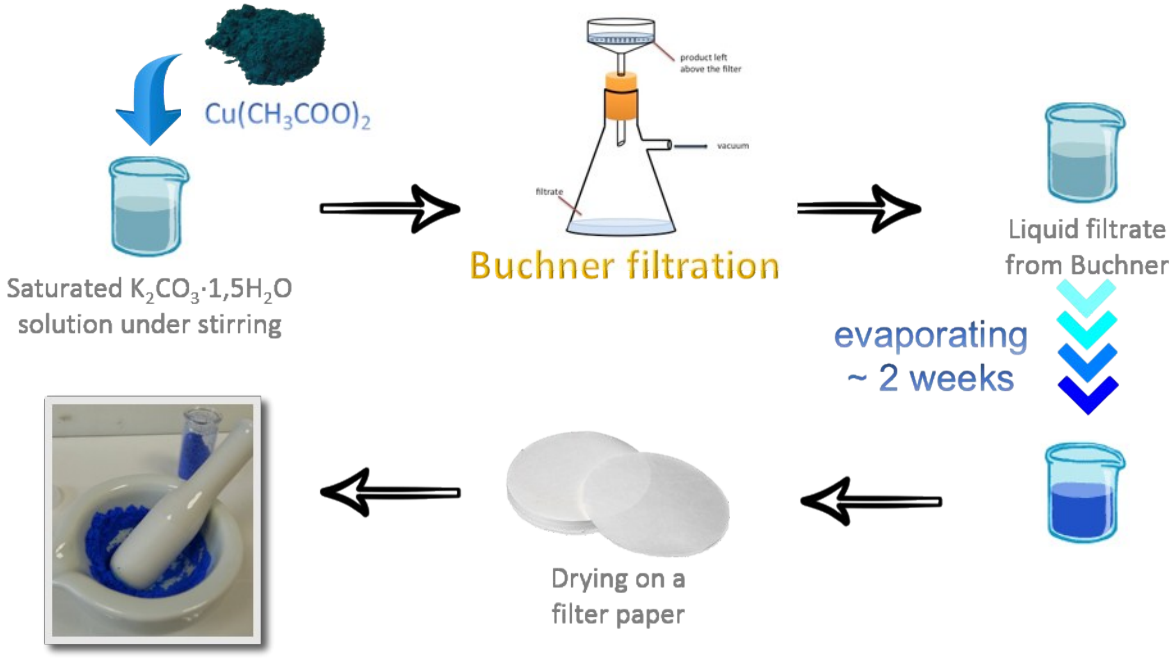

Figure S1: Schematic representation of the synthesis method for $K_2Cu(CO_3)_2$ powder

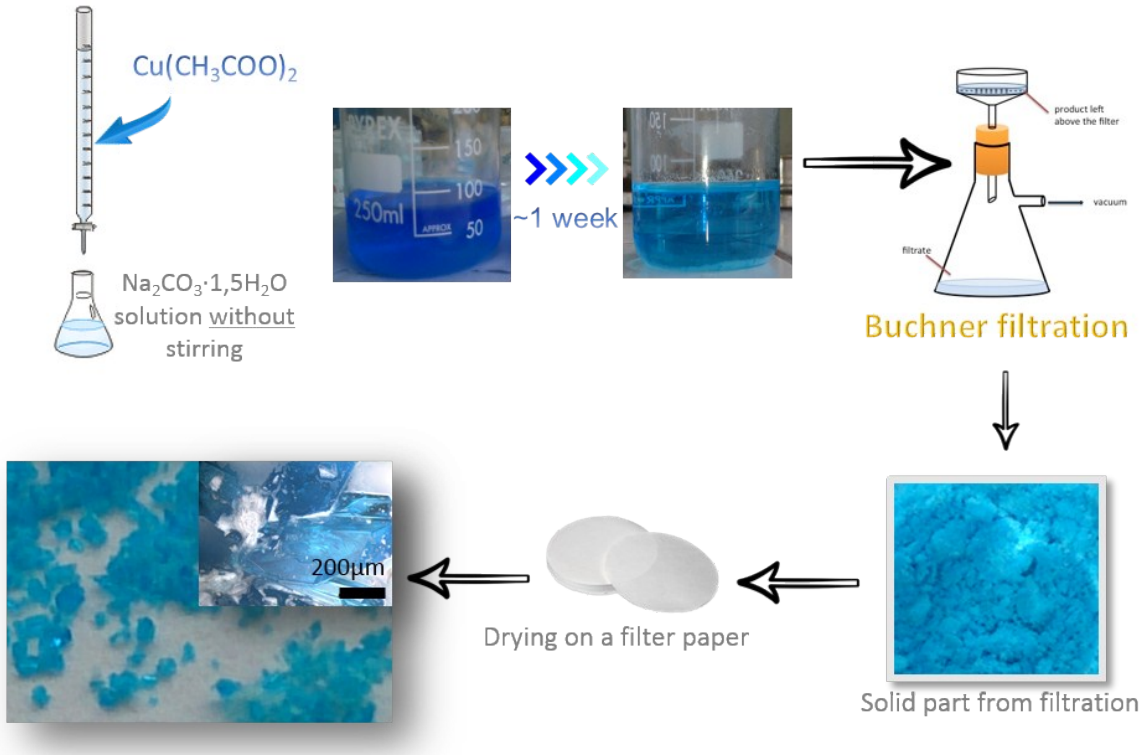

Figure S2: Schematic representation of the synthesis of $Na_2Cu(CO_3)_2{\cdot}3H_2O$

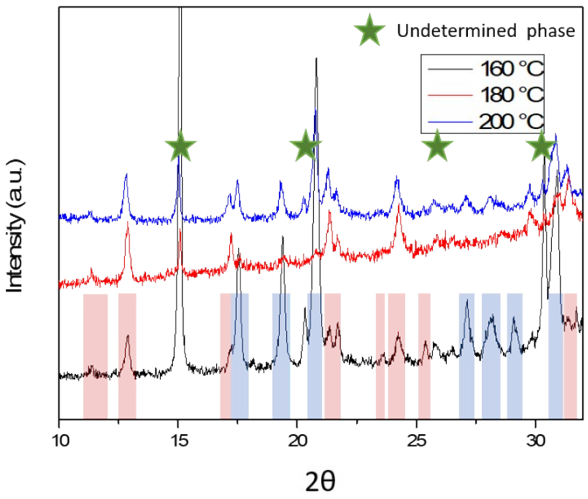

Figure S3: XRD patterns of powders of $Na_2Cu(CO_3)_2 \cdot 3H_2O$ composition fired at various temperatures from 160 to 200 °C. Red parts represent the anhydrous phase peak positions and blue part represents the hydrated phase peak positions