

Thermal decomposition of ammonium nitrate (AN) in the presence of optimized nano-ternary transition metal ferrite $\text{CoNiZnFe}_2\text{O}_4$

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Supplementary file

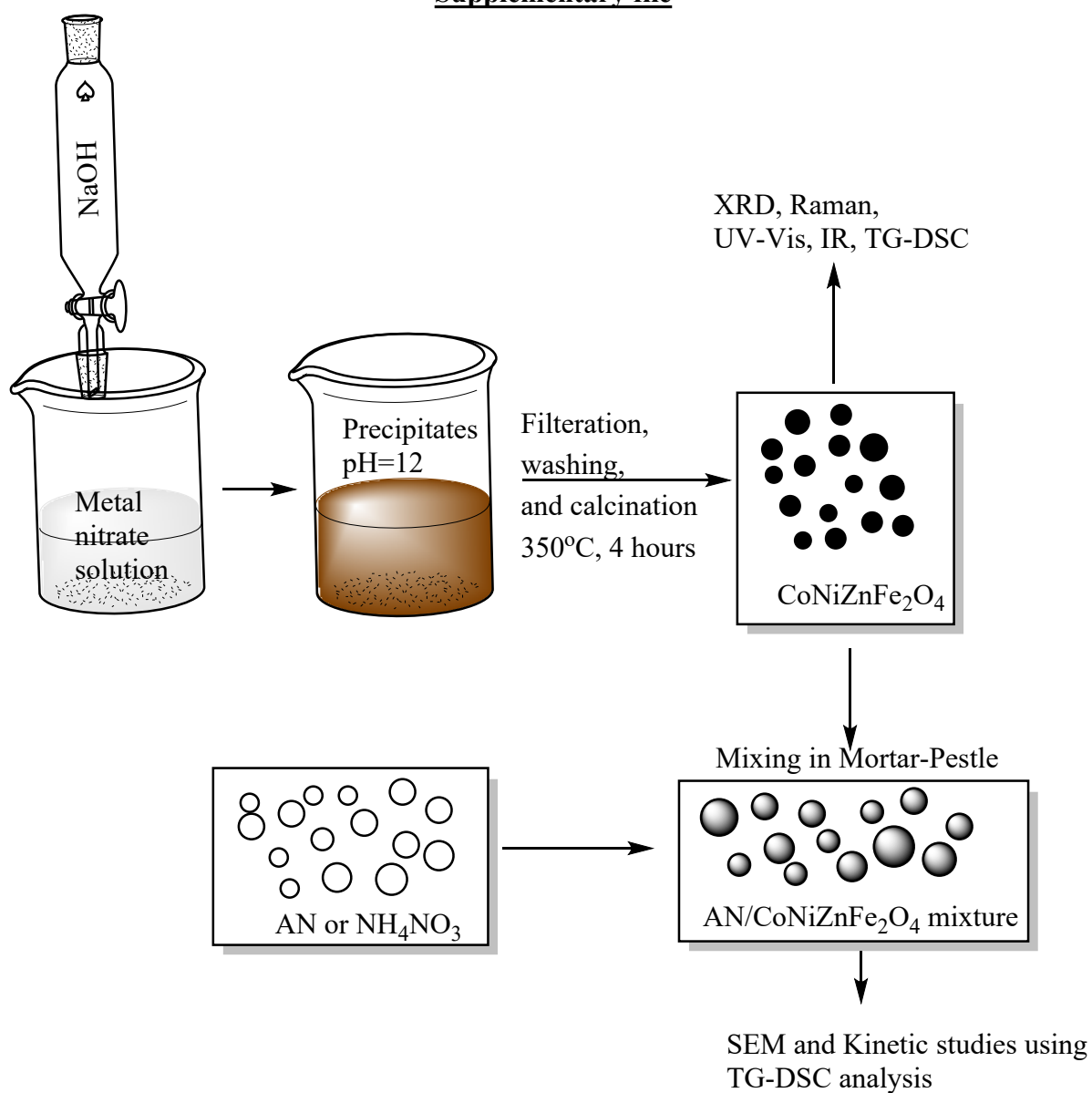


Figure S 1. Schematic representation for the synthesis of $\text{CoNiZnFe}_2\text{O}_4$ and $\text{AN/CoNiZnFe}_2\text{O}_4$ mixture

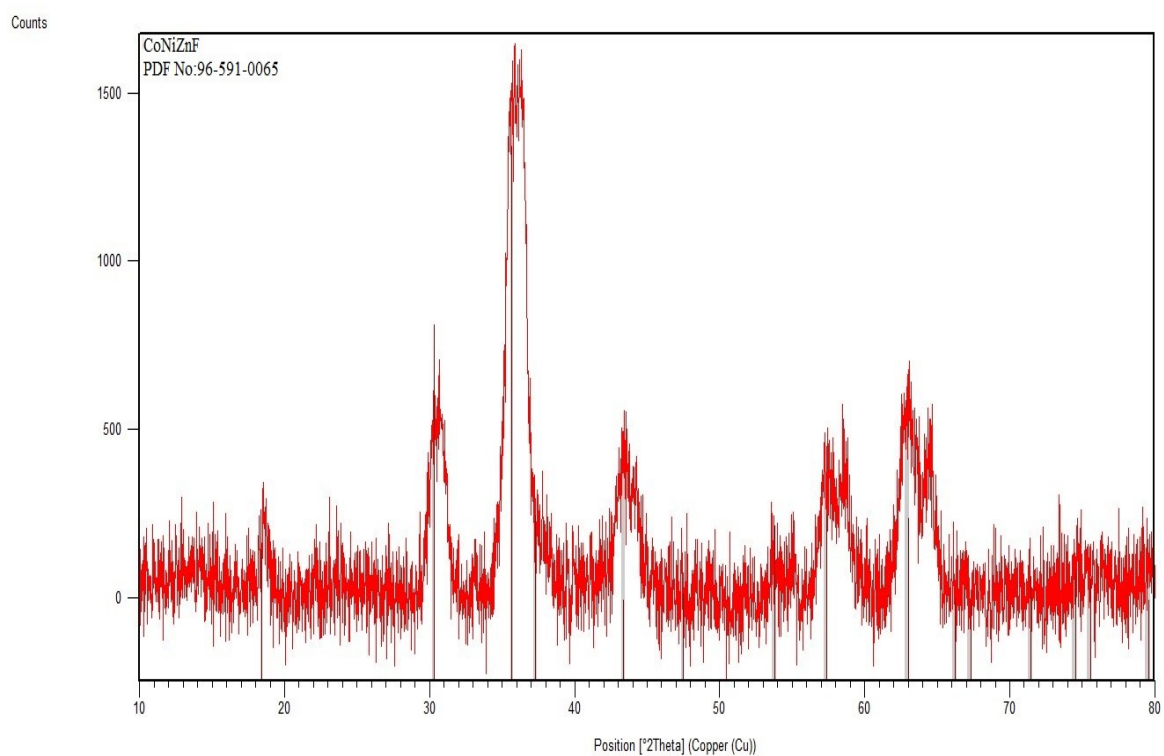


Figure S 2. Indexed Powder XRD patterns of CoNiZnF

Table S1. The concentration of metal ions in $\text{CoNiZnFe}_2\text{O}_4$ was obtained using ICP-OES elemental analysis (Optima 8000, Perkin Elmer).

Metal ions	Co	Ni	Zn	Fe
Percent content of metal ions (%)	8.2	8.2	9.0	47.4