

## **SUPPLEMENTARY INFORMATION**

### **Layered double hydroxides ion exchangers on superparamagnetic microparticles for recovery of phosphate from waste water**

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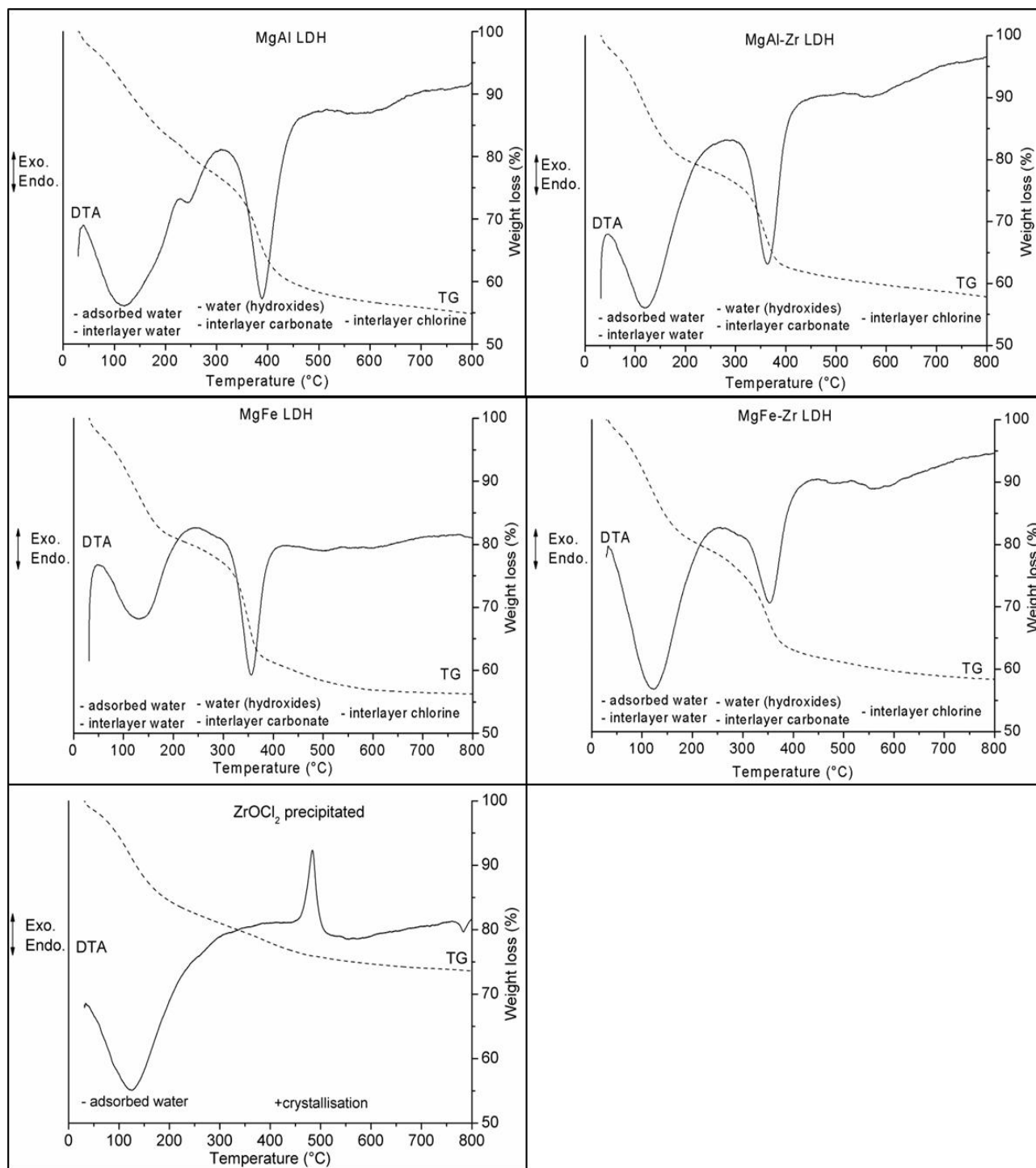


Figure S1: DTA-TG measurements for different LDHs prepared by fast coprecipitation

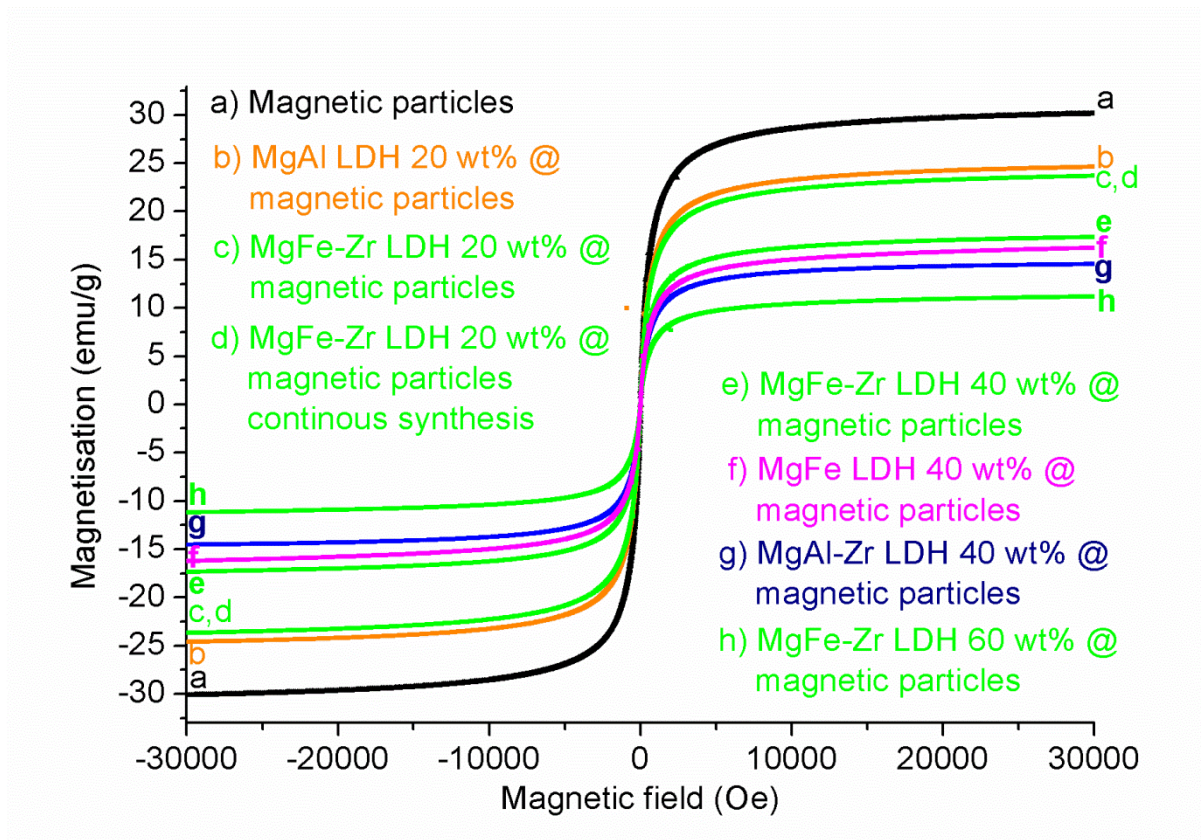


Figure S2: Vibrating sample magnetometer measurements (at 293 K) of superparamagnetic particles and composite particles (LDH deposited on superparamagnetic particles).

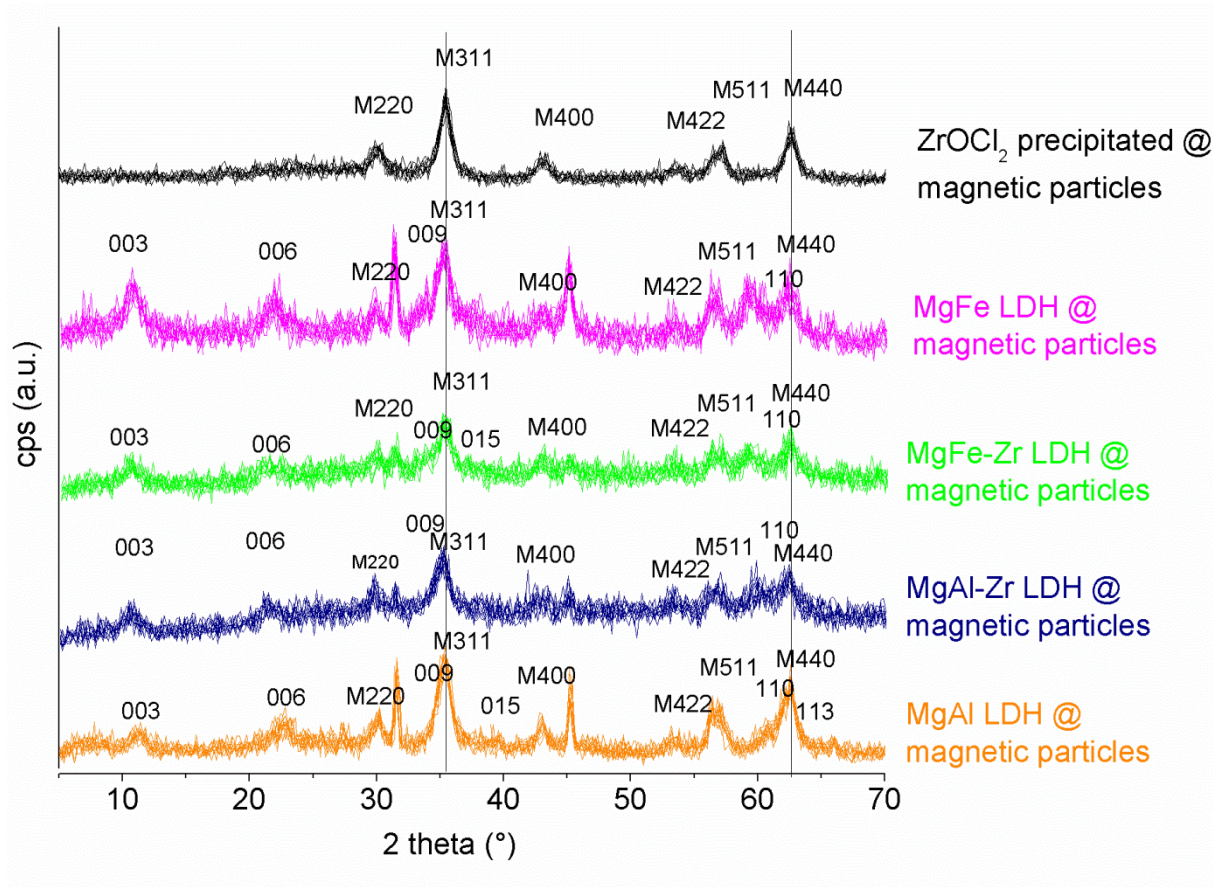


Figure S3: X-ray diffractograms of composite particles (LDH load 60 wt%). Reflexes of magnetite nanoparticles from the superparamagnetic microparticles are labelled with Mhkl. Reflexes of NaCl remain unlabelled.