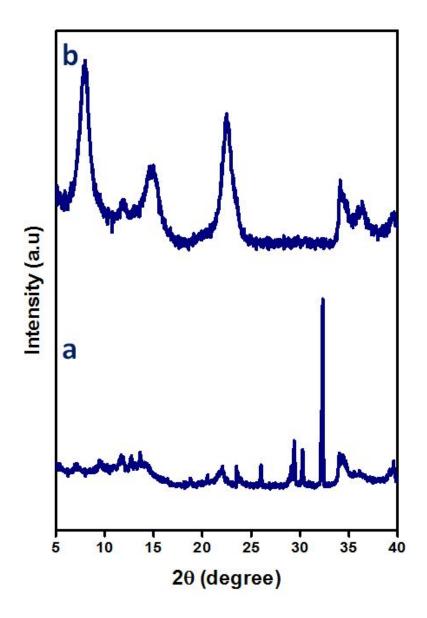
## **SUPPORTING INFORMATION**

## Application of Layered Double Hydroxides as Slow-release Phosphate Source: A Comparison of Hydroponic and Soil Systems

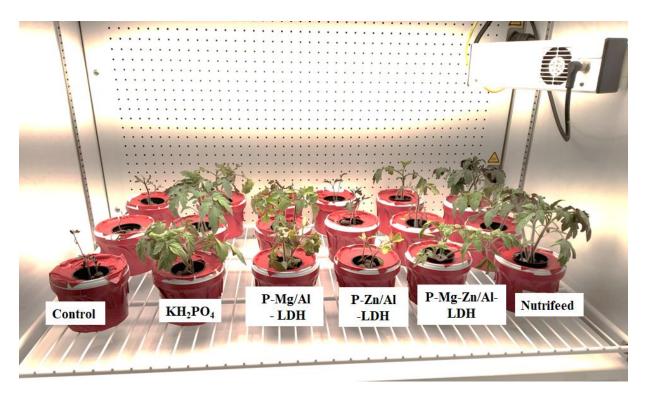
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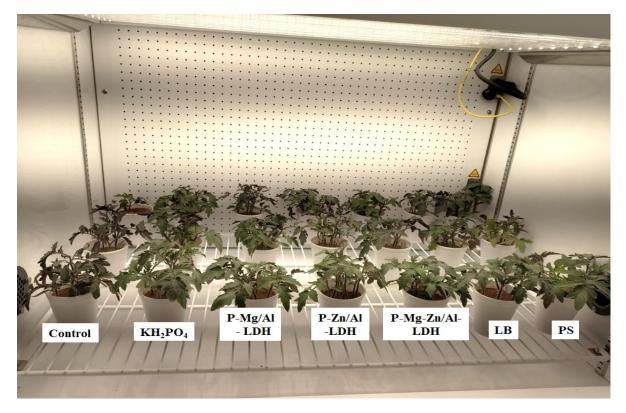
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**Figure S1.** The X-ray diffraction pattern of the synthesized P-Zn/Al-LDH in (a) 1 M of KH<sub>2</sub>PO<sub>4</sub> solution and (b) 0.1 M of KH<sub>2</sub>PO<sub>4</sub> solution.



**Figure S2.** Tomato plants growth experiment in hydroponic system on day 24 using different fertilizer materials. ASR, the first author this article, took digital images.



**Figure S3.** Tomato plant growth experiment in soil system on day 24 using different fertilizer materials. ASR, the first author this article, took digital images.