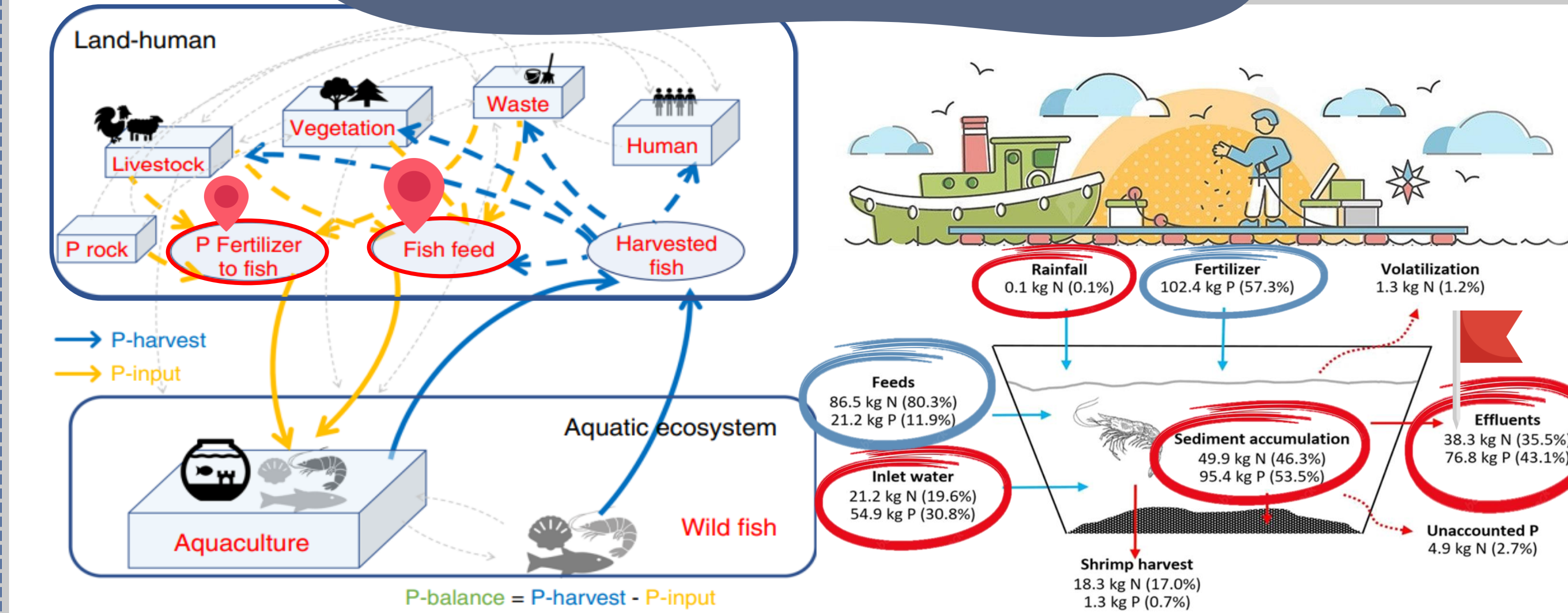




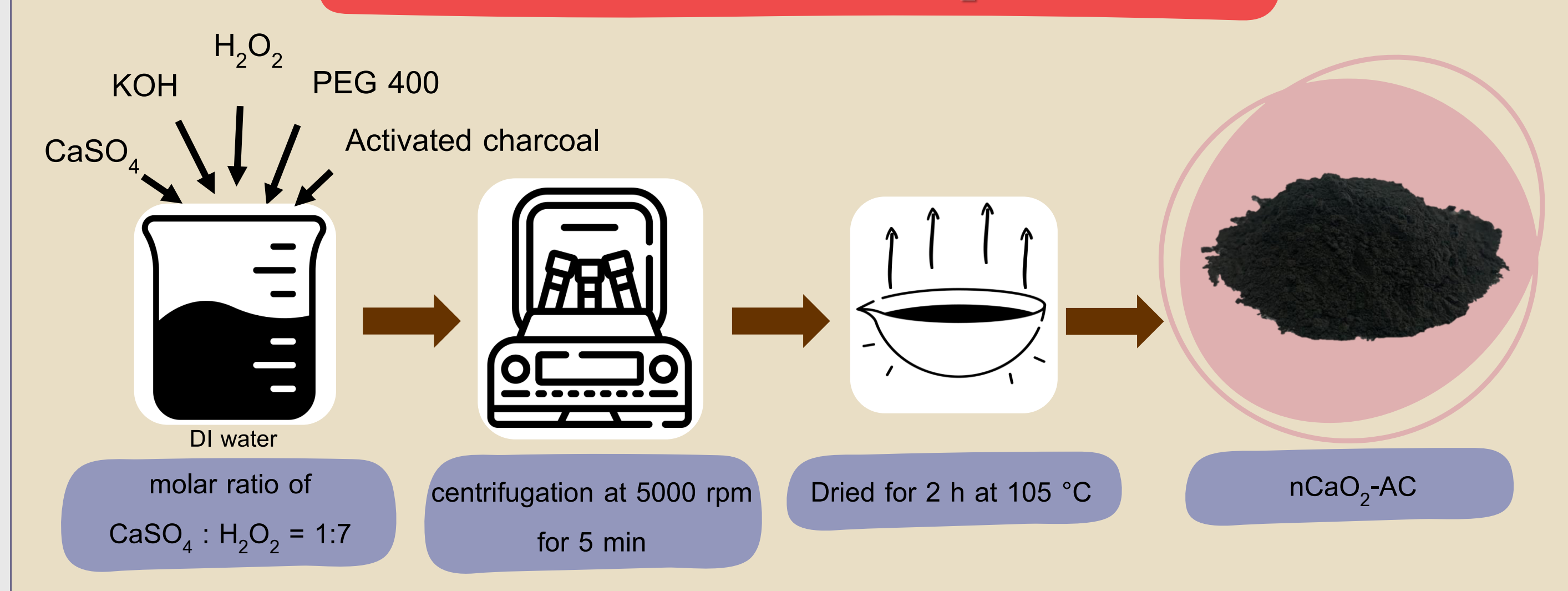
Phosphate cycles



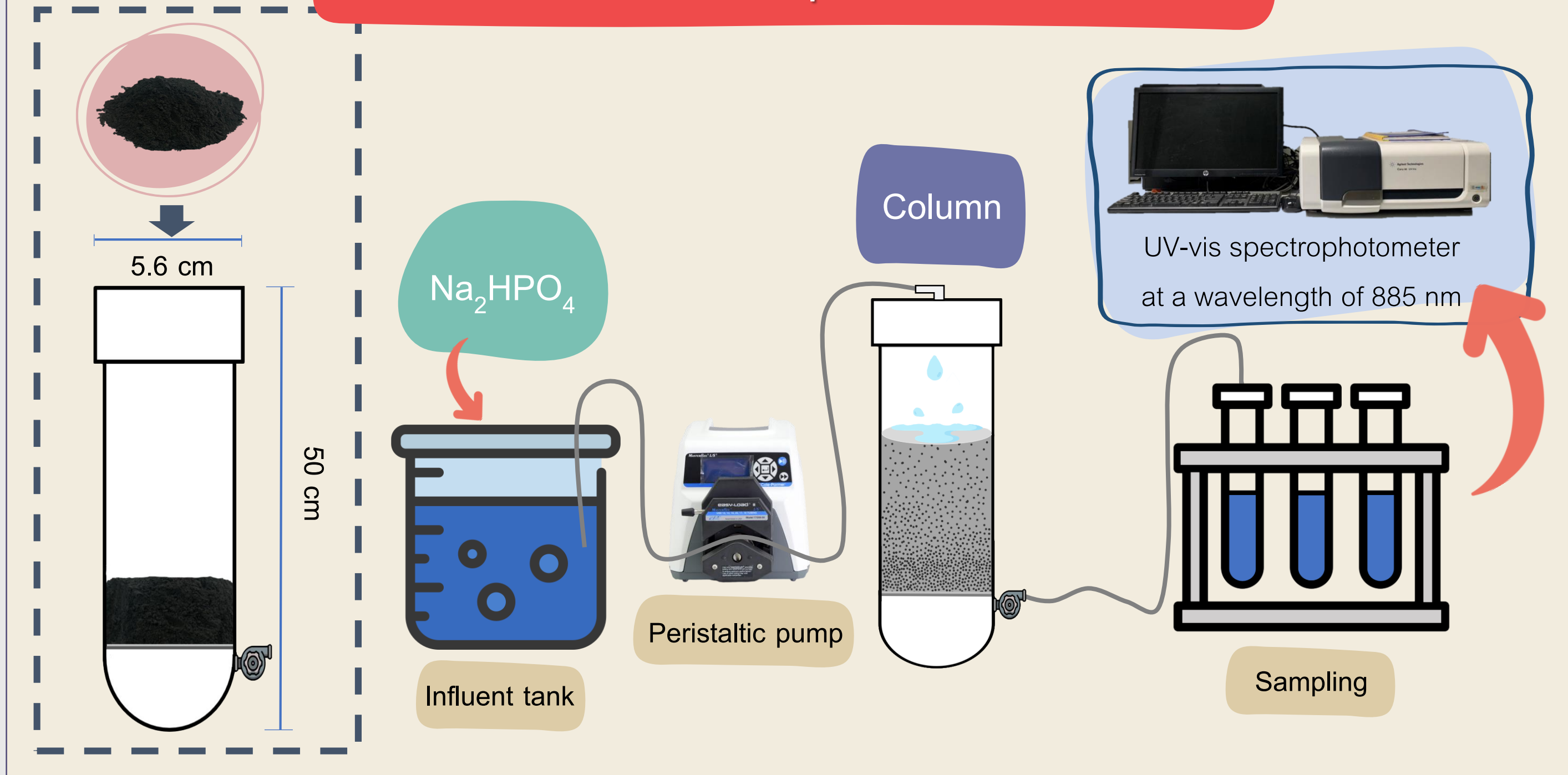
Adsorption process



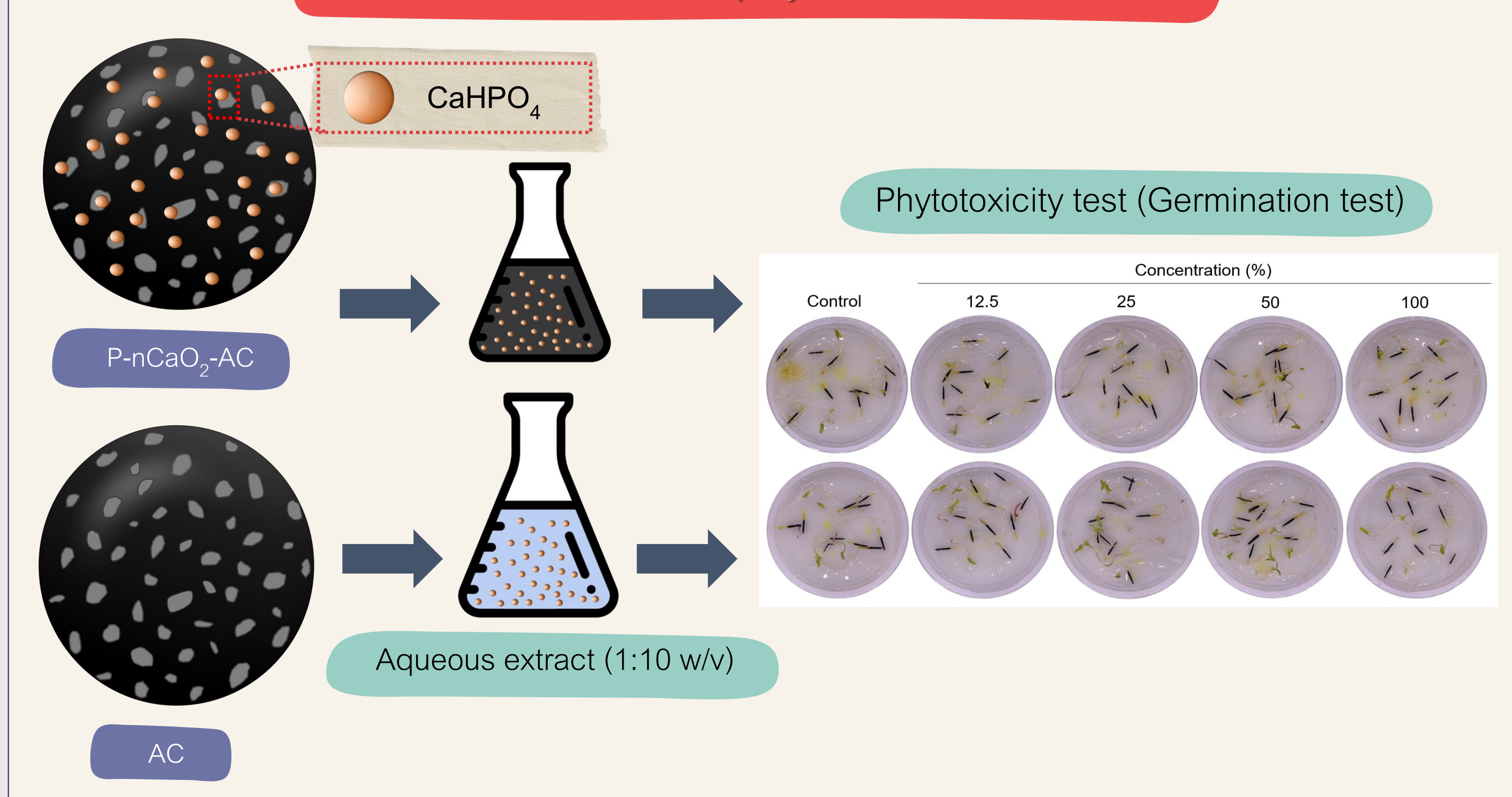
Preparation of $\text{nCaO}_2\text{-AC}$



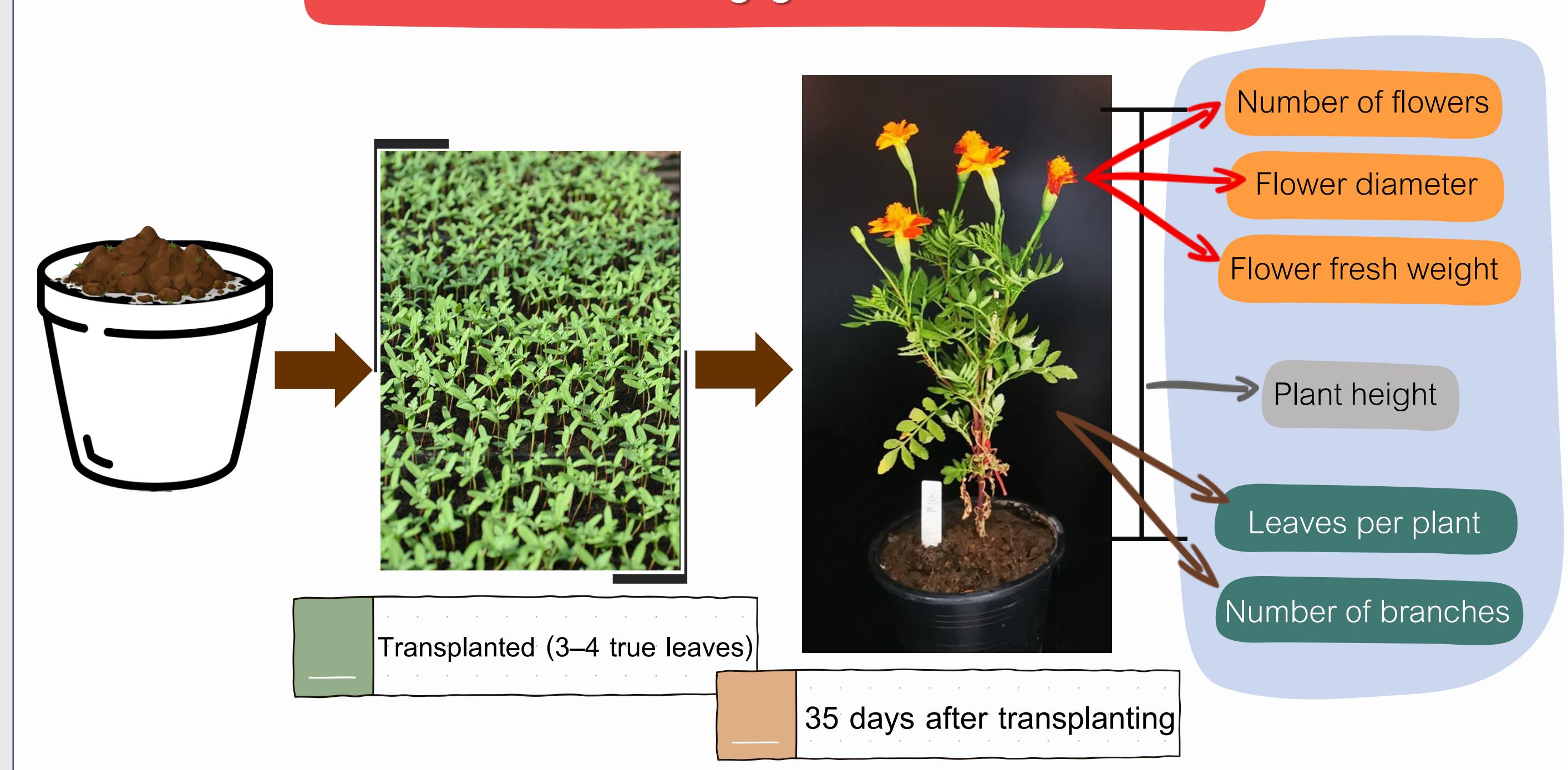
Column experiments



Germination index: phytotoxic substances

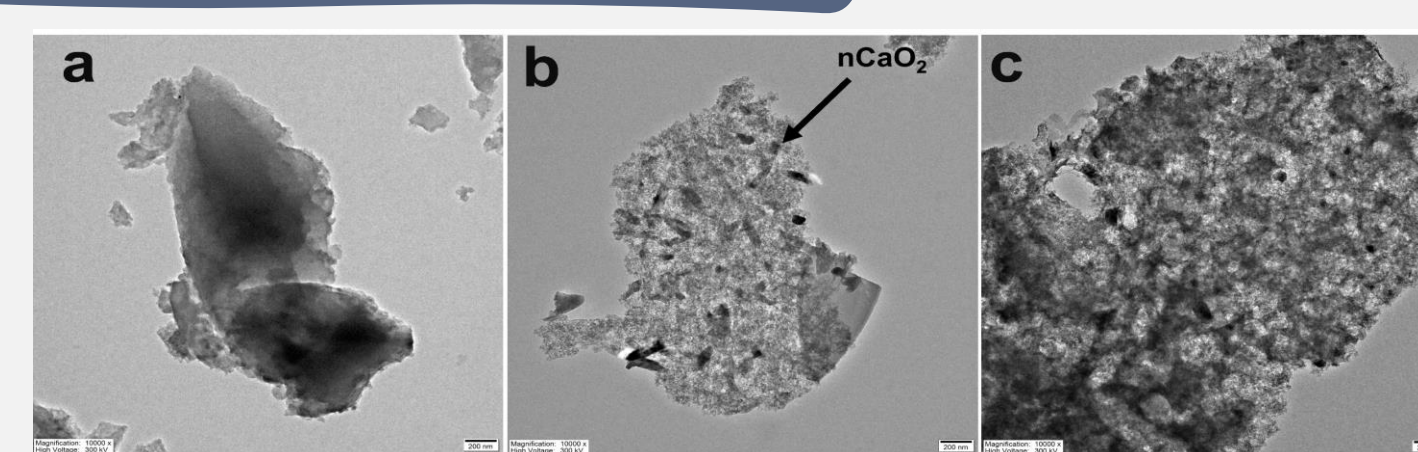


Seedling growth test

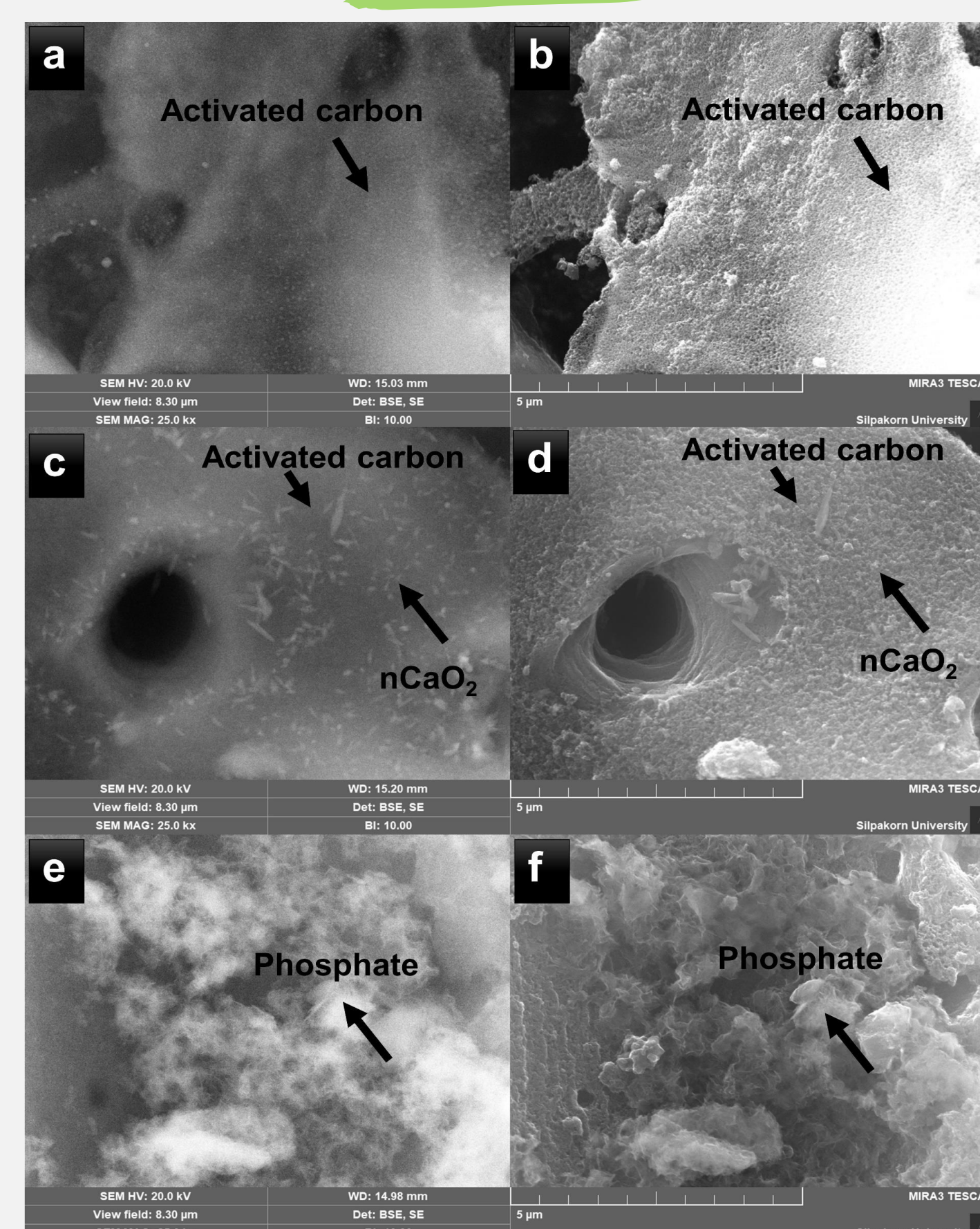


Results

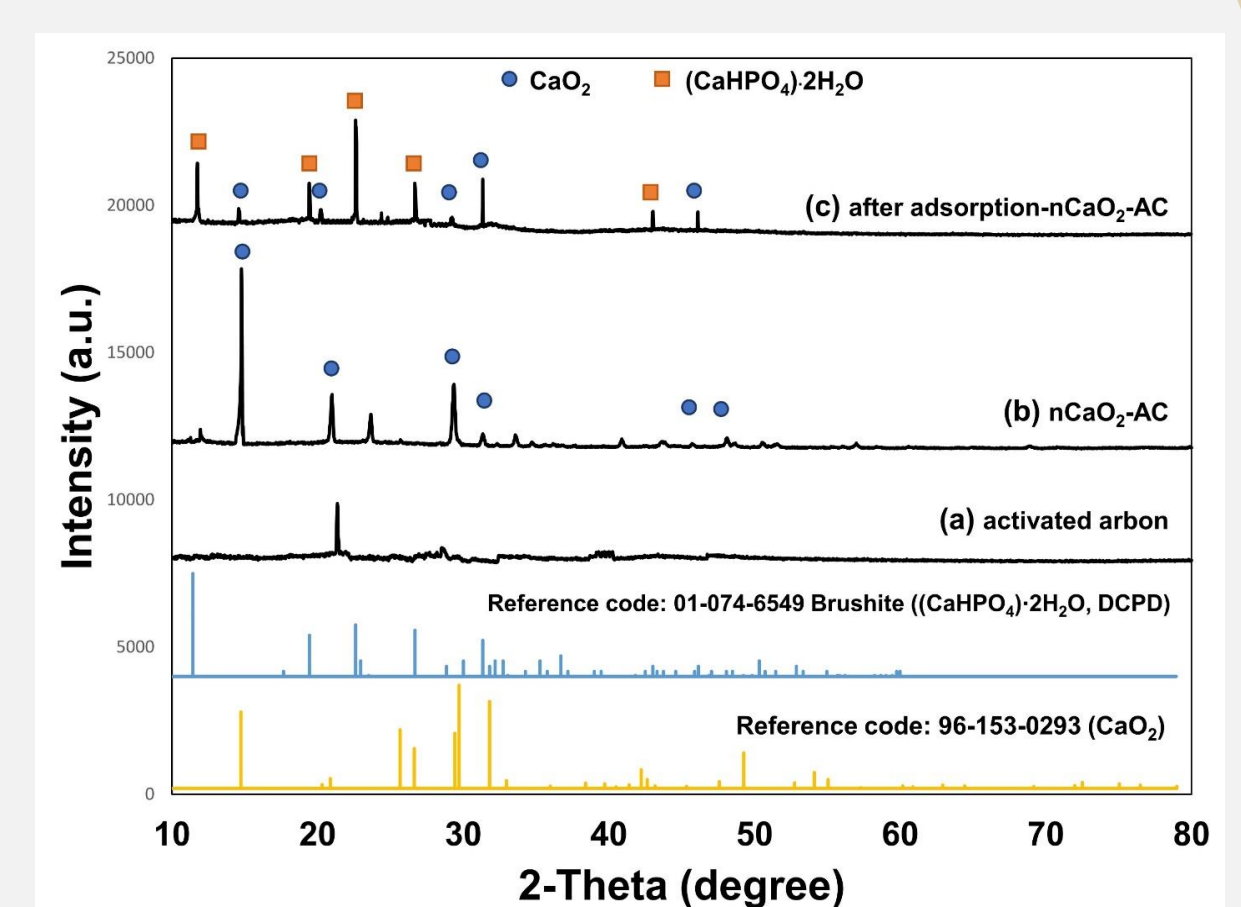
Characterization



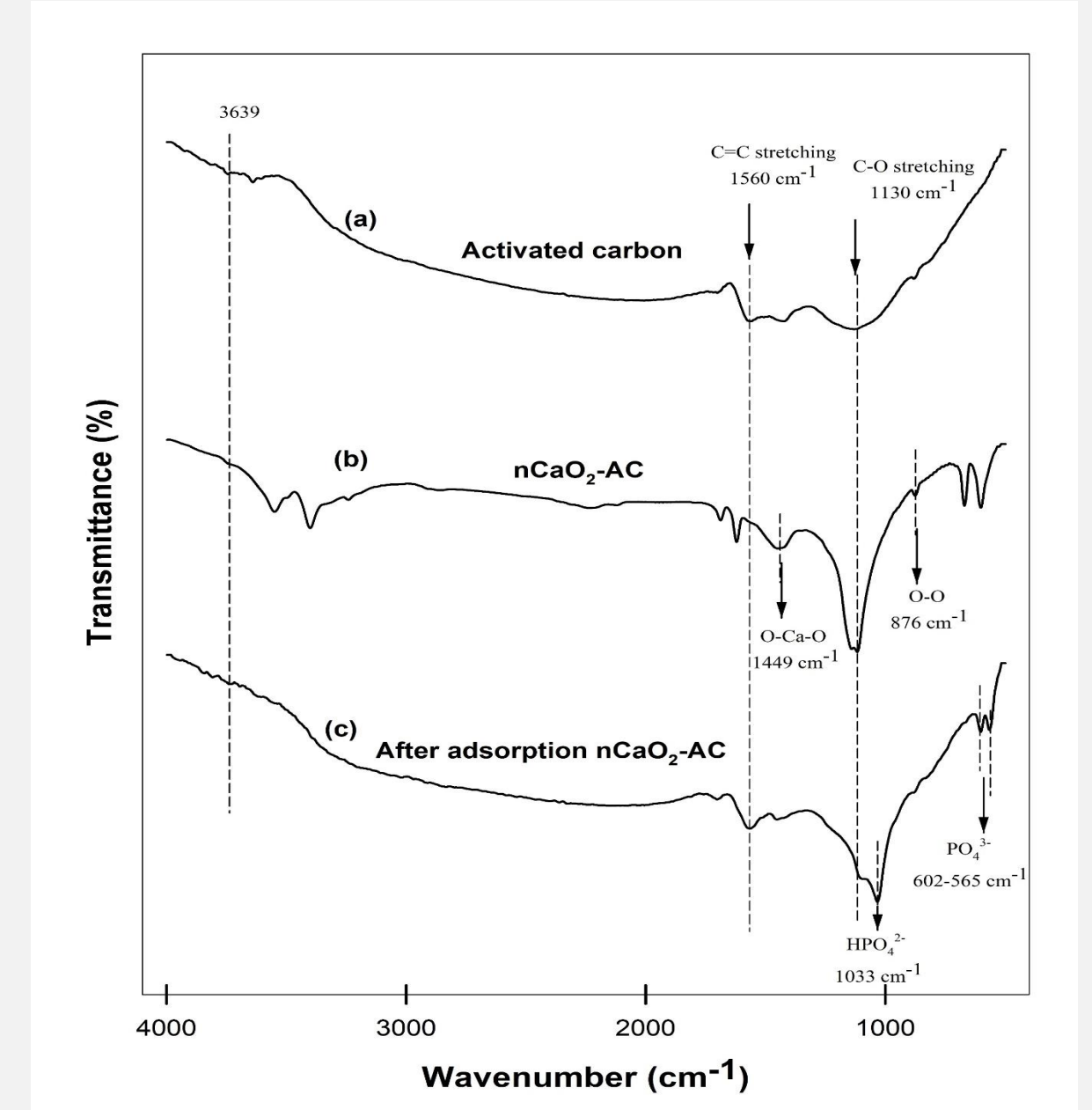
FETEM



FESEM



XRD



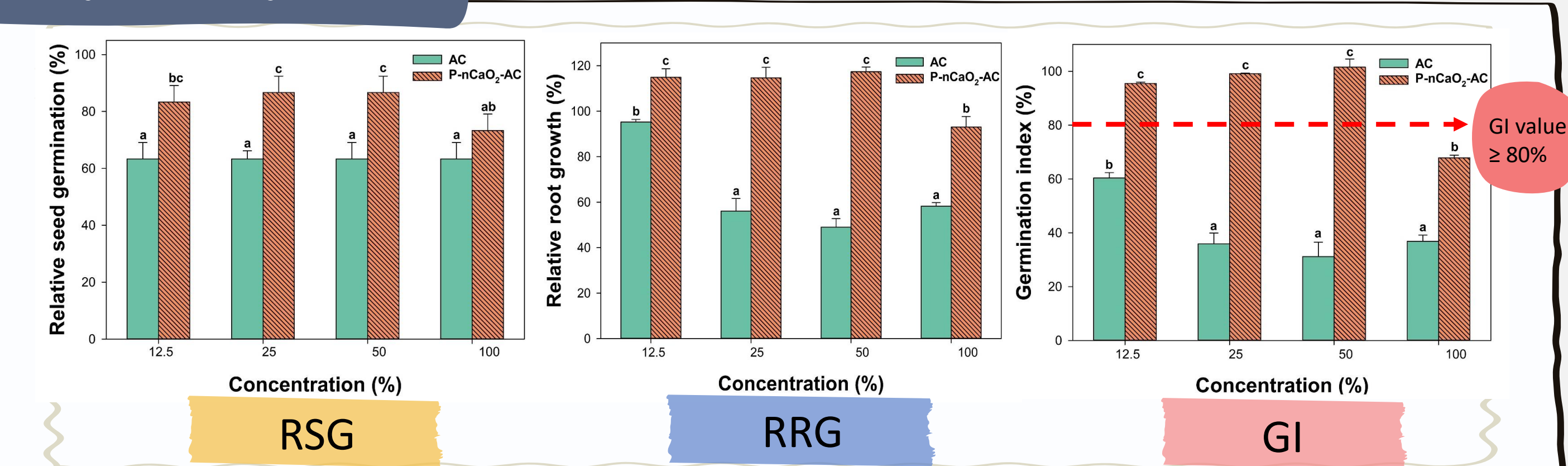
FTIR

Column

Aquaculture water

C_0 (mg/ L)	Q (mL/min)	H_b (cm)	t_b (min)	t_e (min)	EBCT (min)	MTZ (cm)	q_{total} (mg)	q_e (mg/g)
100	15	5	190.32	298.72	8.21	1.81	450.30	9.01

Phytotoxicity test



Seedling growth

