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ESR5: STRUVITE PRECIPITATION FROM ORGANIC WASTE

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Research goals and focus:

- The aim of ESR5 is to investigate the recovery of P in form of Struvite from dairy processing waste (DPW) and liquors produced from hydrothermal carbonisation (HTC) of DPW.
- Review P recovery from dairy waste, mineralisation aspects and struvite precipitation.
- Create experimental models for P recovery as struvite from dairy processing wastes and use of recovered phosphorous as fertiliser.

Expected results: P removal of up to 95% mainly as struvite and other phosphate salts from dairy processing waste and assess the quality of precipitated solid as fertiliser.

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