

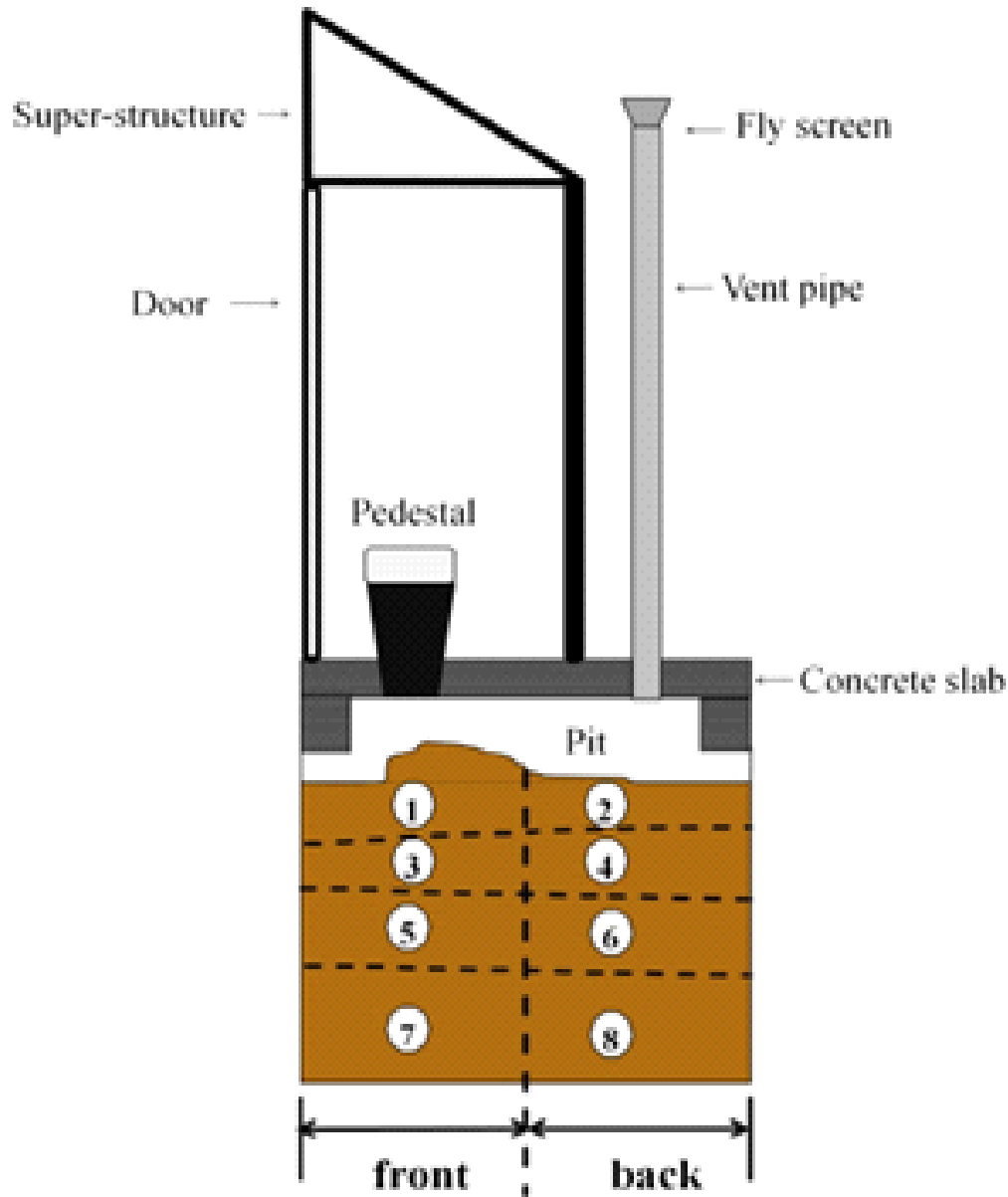
Rheology, Extrusion and Pelletisation of Faecal Sludge

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Rheological properties of fecal sludge





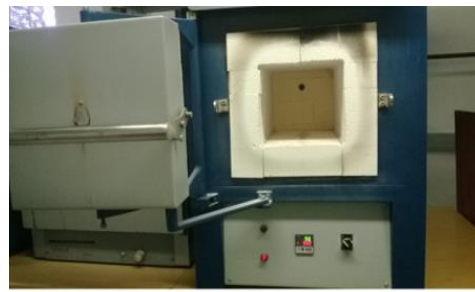
Fecal sludge sampling

Diagram of a VIP latrine showing the layers from which the samples were selected in the front and back sections

Rheometer



Moisture and ash content



Penetrometer



Finding 1

Viscosity of fecal sludge depends on pit section, which is related to the different moisture and ash content

Finding 2

More liquid behavior dominant than plastic

To increase plasticity of fecal sludge → addition of sawdust or dried fecal sludge



**Thanks for
your
attention!**

**We invite you to
visit our poster for
further details**

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