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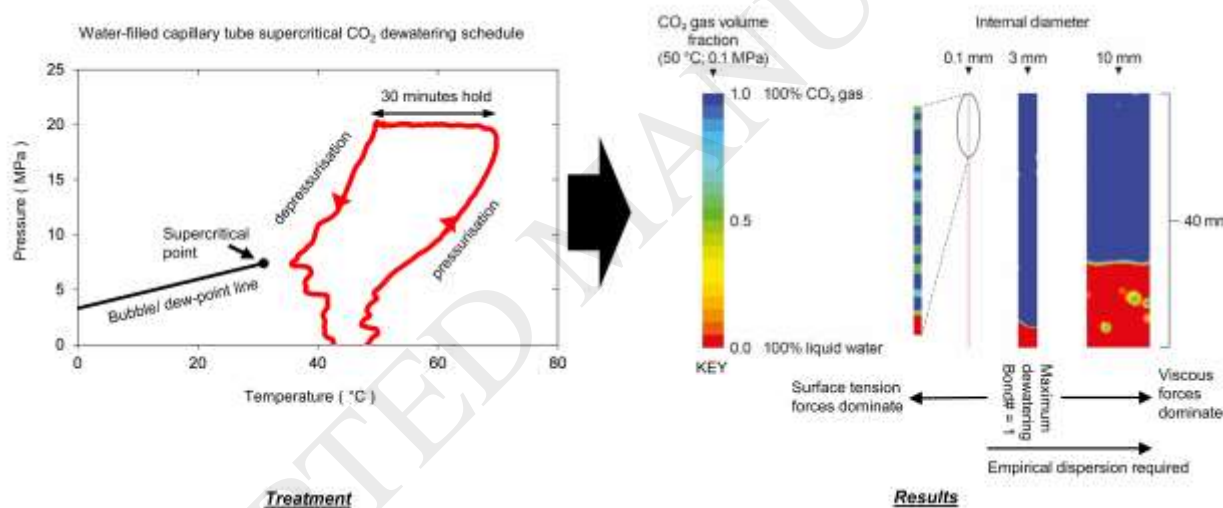
## Predictive modelling of supercritical CO<sub>2</sub> dewatering of capillary tubes

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### Graphical abstract



### Highlights

- Supercritical CO<sub>2</sub> can be used to dewater porous materials.
- Fluid dynamics modelling has been used to describe the process in linear capillaries.
- Taylor bubbles form in capillaries with a Bond number less than unity.
- An experimentally derived dispersion coefficient is required for accurate modelling.

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