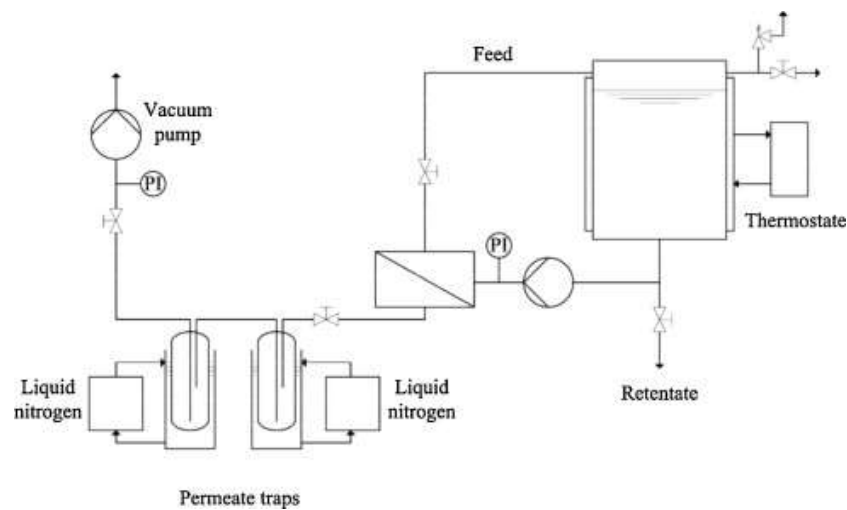


Separation of binary alcoholic azeotropic mixtures by Pervaporation



Supervisor: Asmaa Selim

Task set:

- Hydrophilic pervaporation studies with alcohol-water (Methanol, Ethanol, and iso-Propanol) mixtures using homemade previously prepared PVA based membranes.
- Performing laboratory experiments and analysis for the results.

Expected competences:

- Hard worker,
- Self-solving problem solving ability
- Good English language skills
- Knowledge of instrumental analytical techniques (Refractometer)

Related literature:

Asmaa Selim, Andras Tóth, Daniel Fozér, Eniko Haaz, Agnes Szanyi, Nora Hegyesid, Peter Mizsey, **Preparation and characterization of PVA/GA/Laponite membranes to enhance pervaporation desalination performance**, Separation and purification Technology (2019). <https://doi.org/10.1016/j.seppur.2019.03.084>.

Start of work: immediately

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