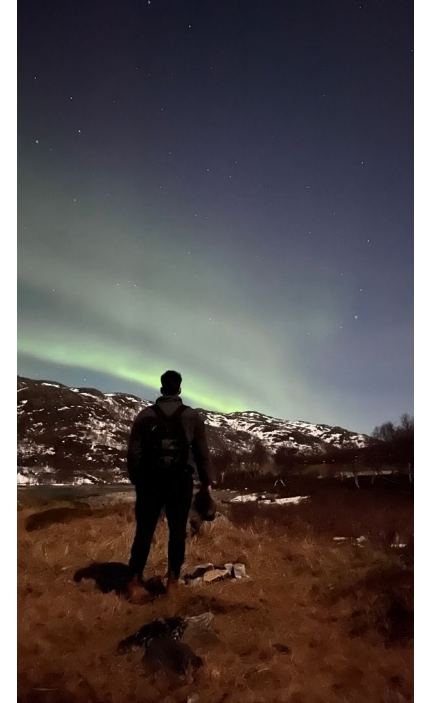
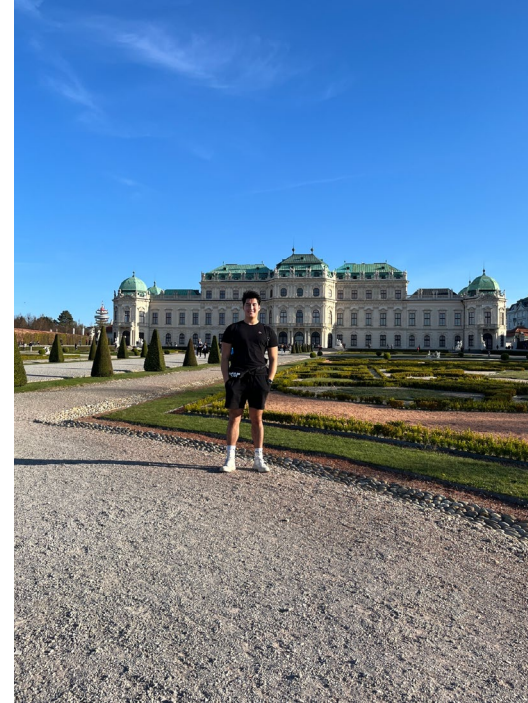
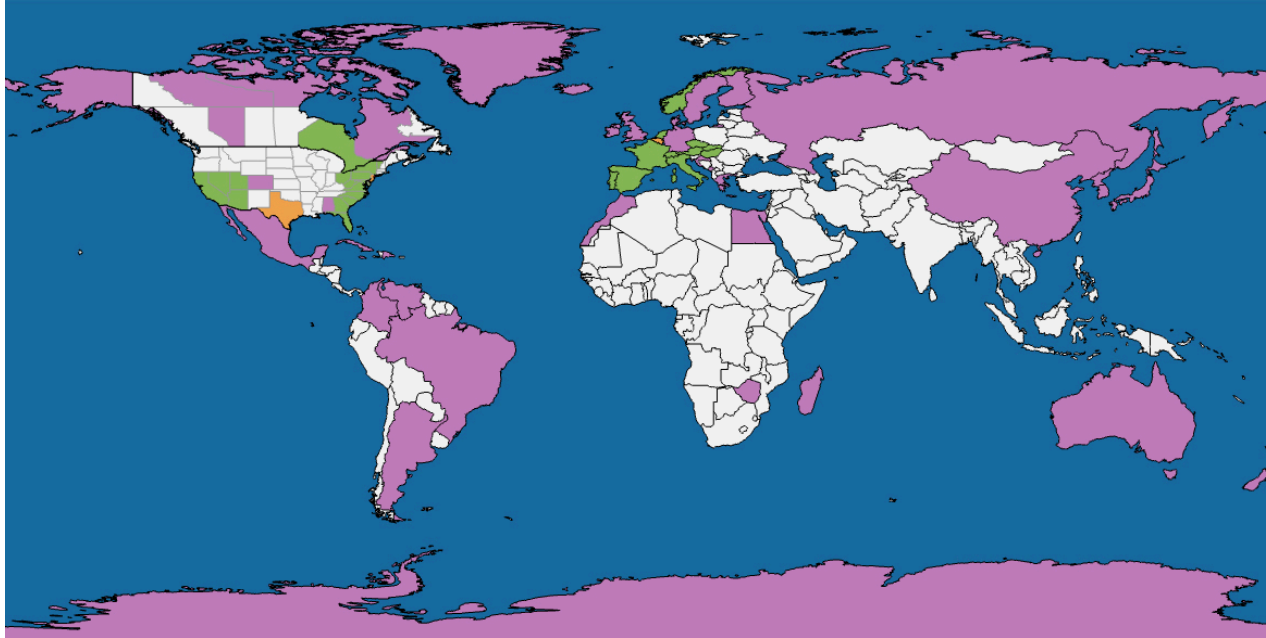


KU LEUVEN

The Application of Membrane Processes for Wastewater Treatment

Thomas Mortillaro
Spring 2022

About Me



Membrane Processing

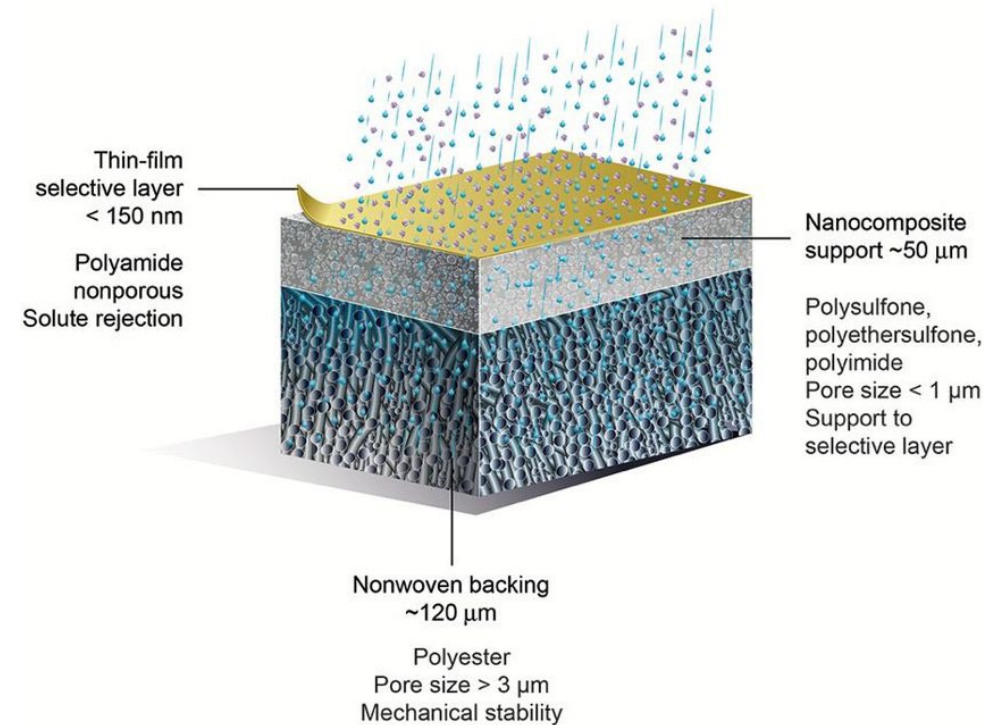
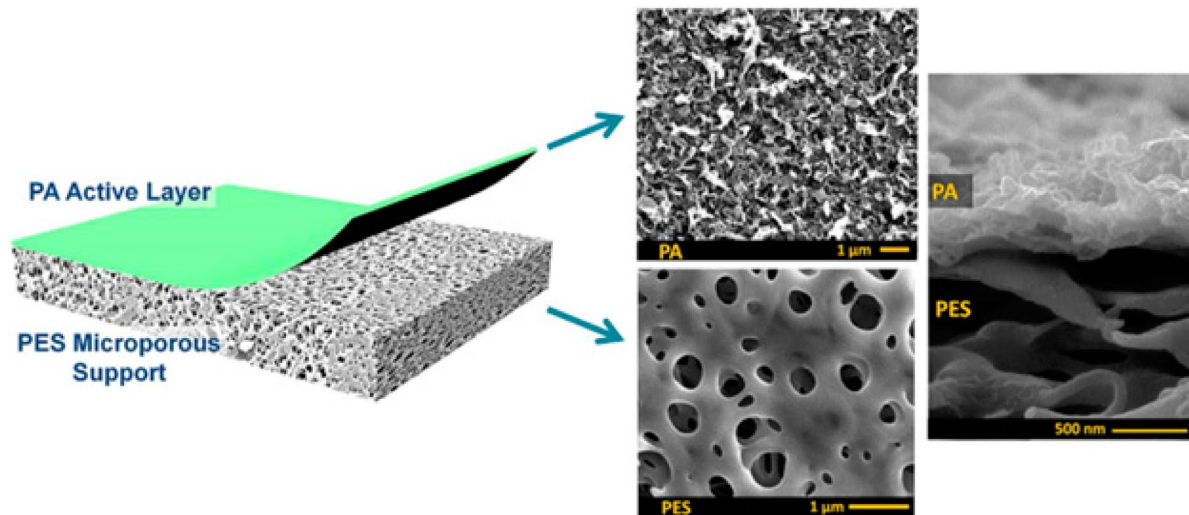


- Water Protection (Industry and Domestic)
- Pharmaceutical
- Biotechnological
- Beverages/Food
- Metallurgy
- Chemical



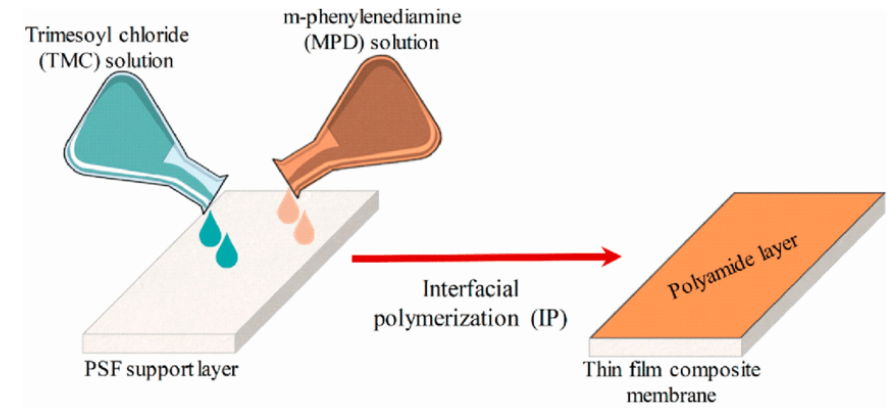
My Focus

- Usually Multiple Layers
- PA Layer – Polyamide Layer
- Uses and significance

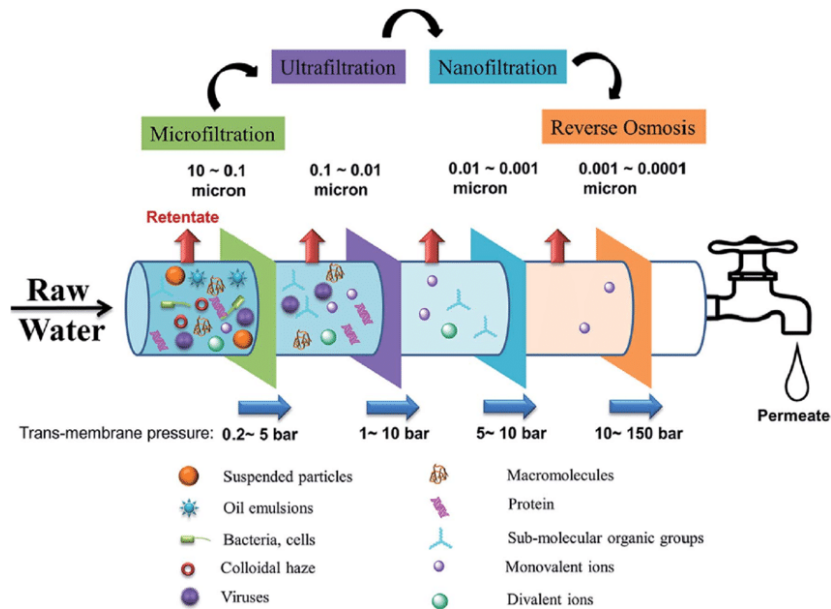


My Research

- Machine Learning - Python
- Collecting Data
- Trial and Error
- Model Significance
- Results/Errors



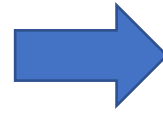
What We Will Learn



- Better understanding of properties
- Most effective uses
- Helps further research
- Increase Water Permeability and Rejection



Future Application



- Continue learning about property importance of membranes
- Obtain more data that creates the most accurate model for determining feature importance

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Thank you for listening!