

Motivation

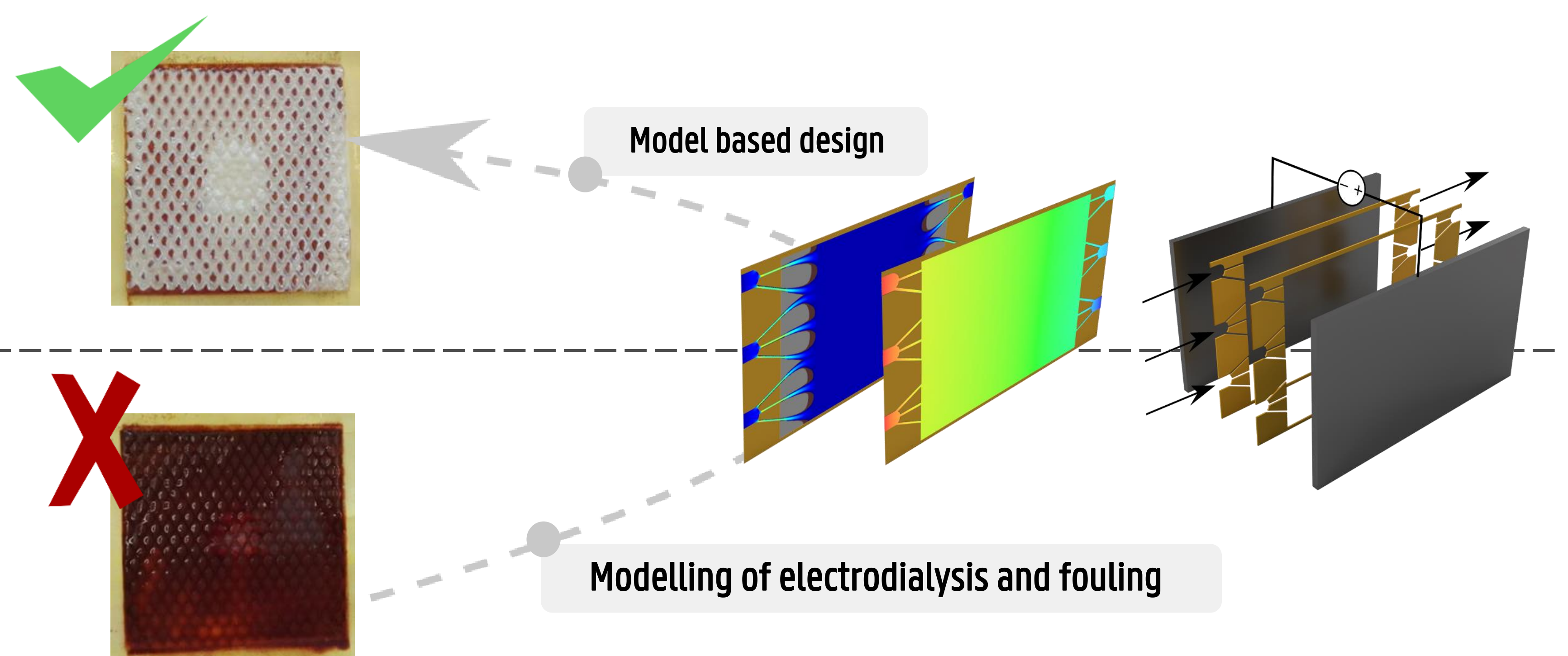
Electrodialysis applications

State of the art:

- Seawater desalination
- Desalination of whey
- Tartrate removal from wine
- ...

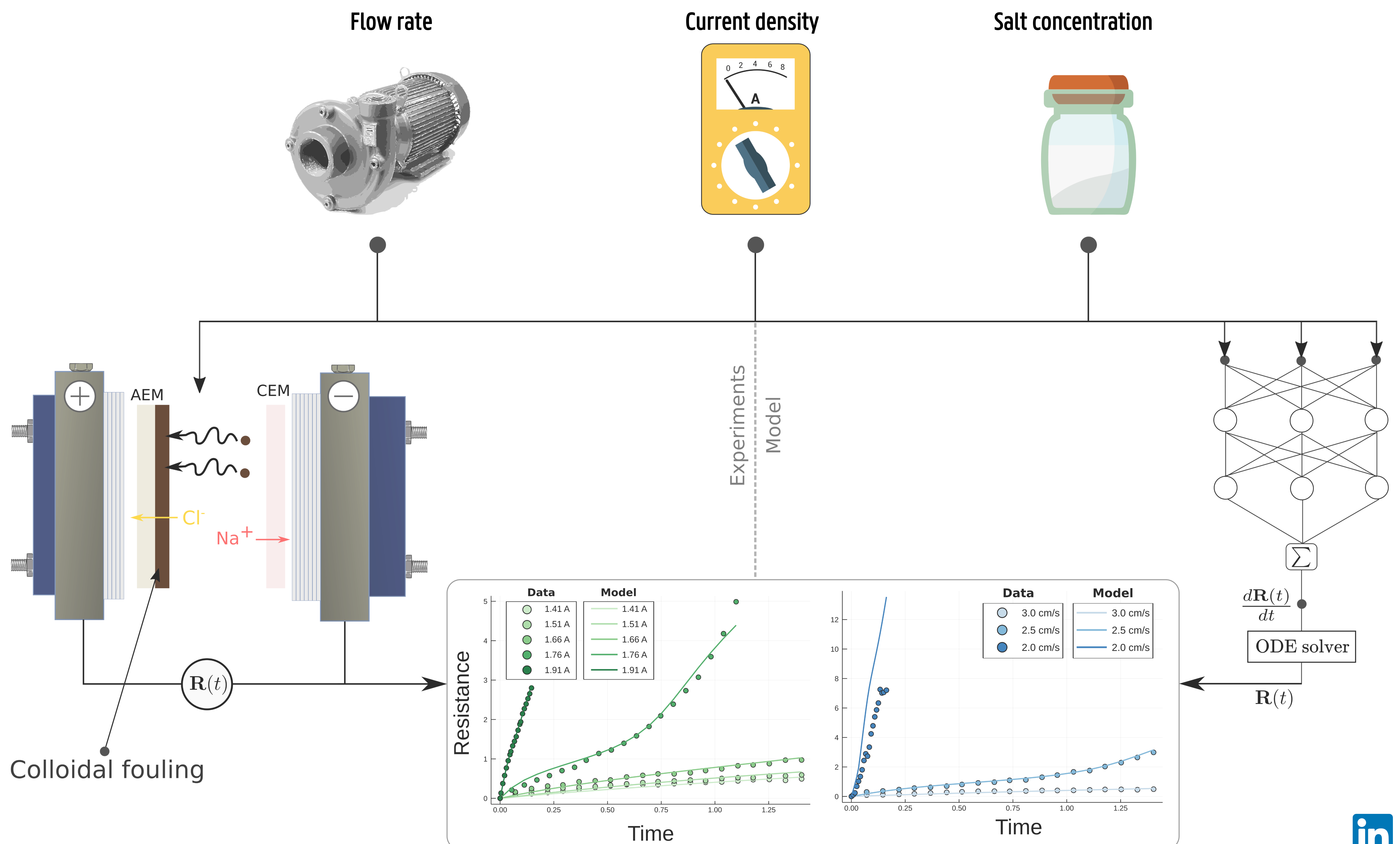
Beyond state of the art:

- Pretreatment of bio-based streams
 - Desalination/detoxification of feed stream
 - Downstream processing of fermentations
 - Desalination of product streams
 - Selective extraction of amino acids
 - In-situ product recovery of organic acids
- Excessive fouling
High CIP frequency
Increased energy usage



It is important to predict the **fouling rate** during electro dialysis as a function of the process settings in order to improve the **applicability** of electro dialysis in the **bio-based industry**.

Results & Methodology



Contact

