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**ABOUT ME**

Master of Engineering  
 Chinese Academy of Agricultural Sciences, Major in Food Science

Bachelor of Engineering  
 Henan University of Technology, Food Science and Engineering



**ProBioSep and URD ABI**

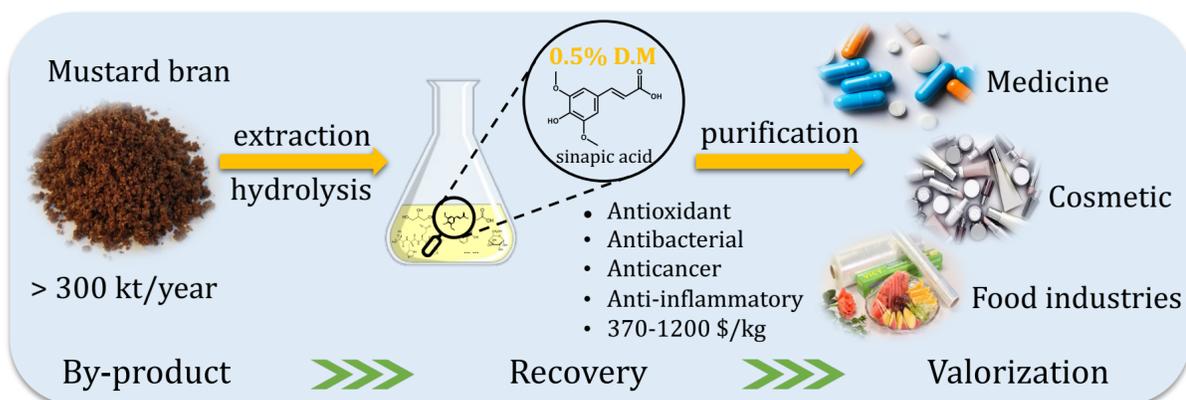
Process Engineering  
 Superviseurs : Violaine ATHES-DUTOUR, Claire FARGUES, Marwen MOUSSA, Morad CHADNI(ABI)

**Keywords**

*p*-hydroxycinnamic acid; by-product; adsorption; solvent extraction in membrane contactor; purification

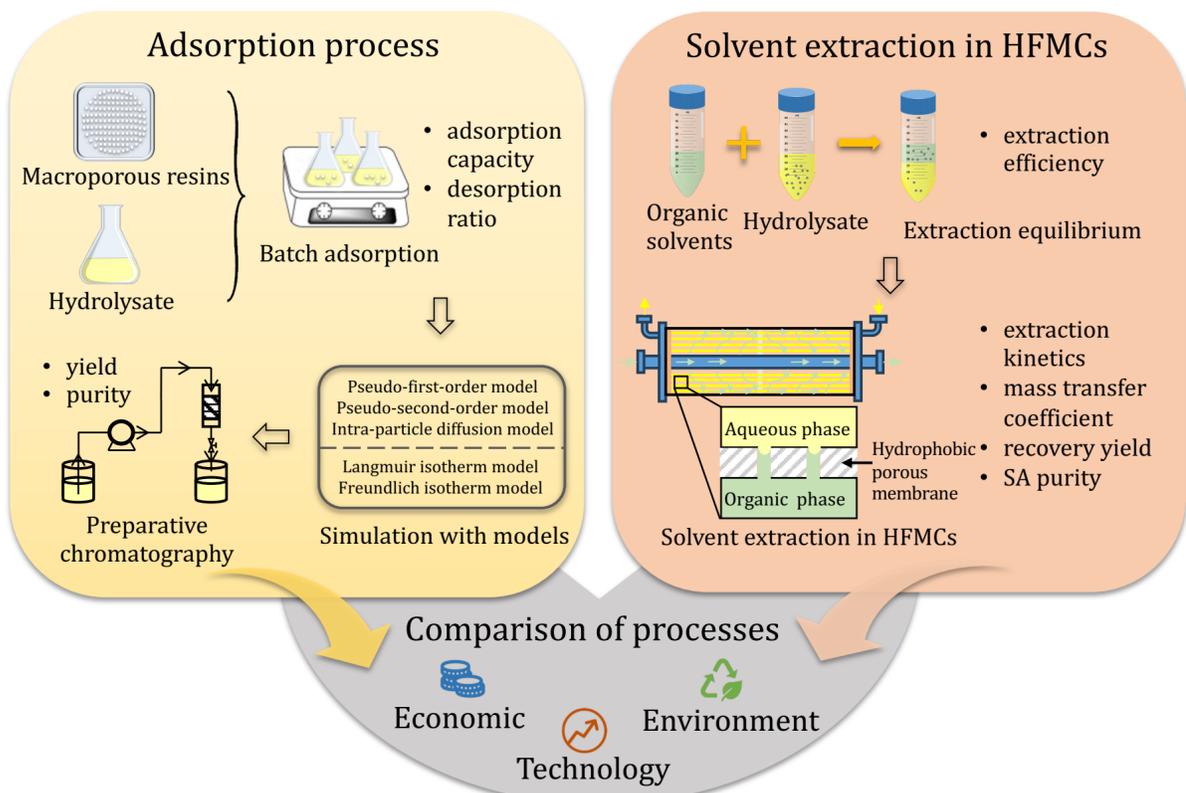
Recovery of sinapic acid from an agro-industrial by-product using adsorption chromatography and solvent extraction in membrane contactor

**Graphical abstract**



**Objectives**

- Study the purification of sinapic acid in mustard bran hydrolysate by adsorption chromatography
- Study the recovery of sinapic acid by solvent extraction in HFMCs, clarify mass transfer limiting mechanism
- Study the combination of the filtration separation step to adsorption and solvent extraction in membrane contactor
- Evaluate the processes of adsorption chromatography and solvent extraction in HFMCs from technology, economic, and environment



**Techniques employed**

- HPLC, LC-MS
- UV-vis spectroscopy

**Funders & Collaborators**