



คณะการแพทย์บูรณาการ  
Faculty of Integrative Medicine, RMUTT



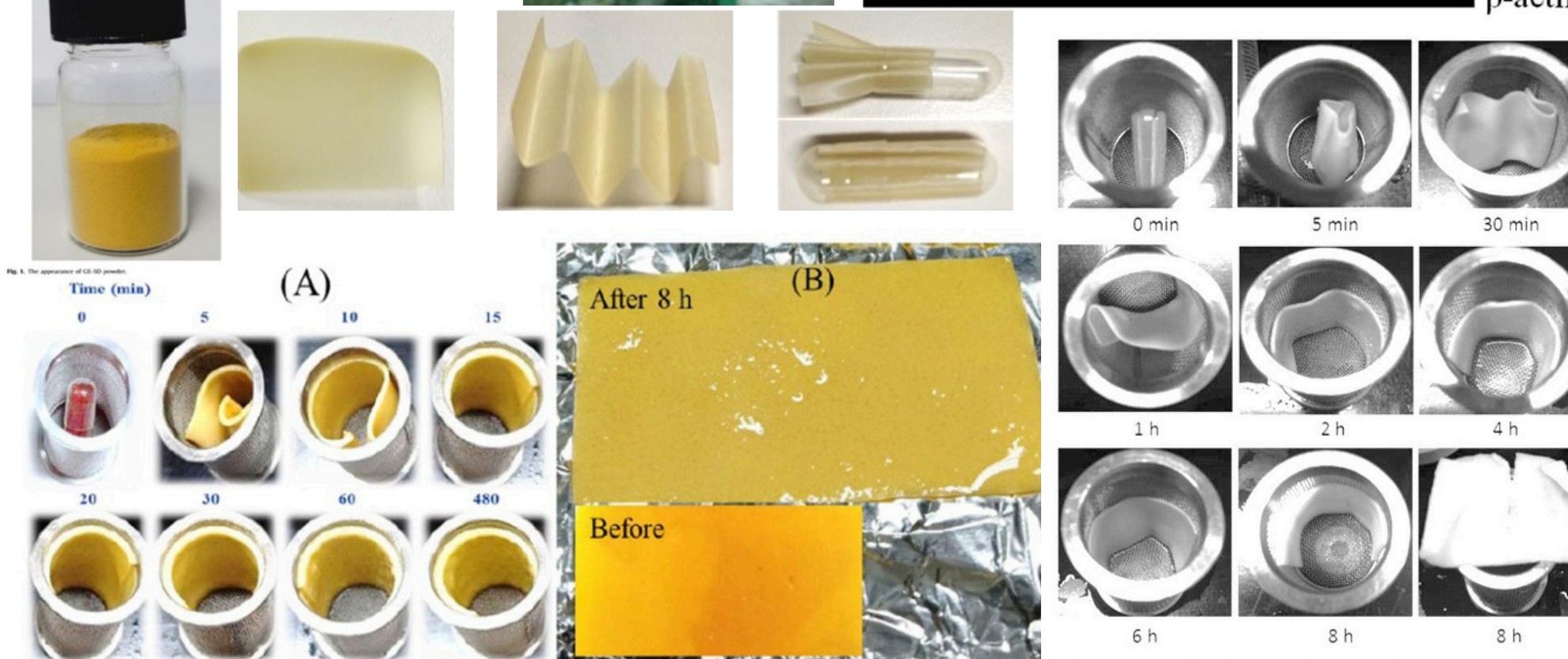
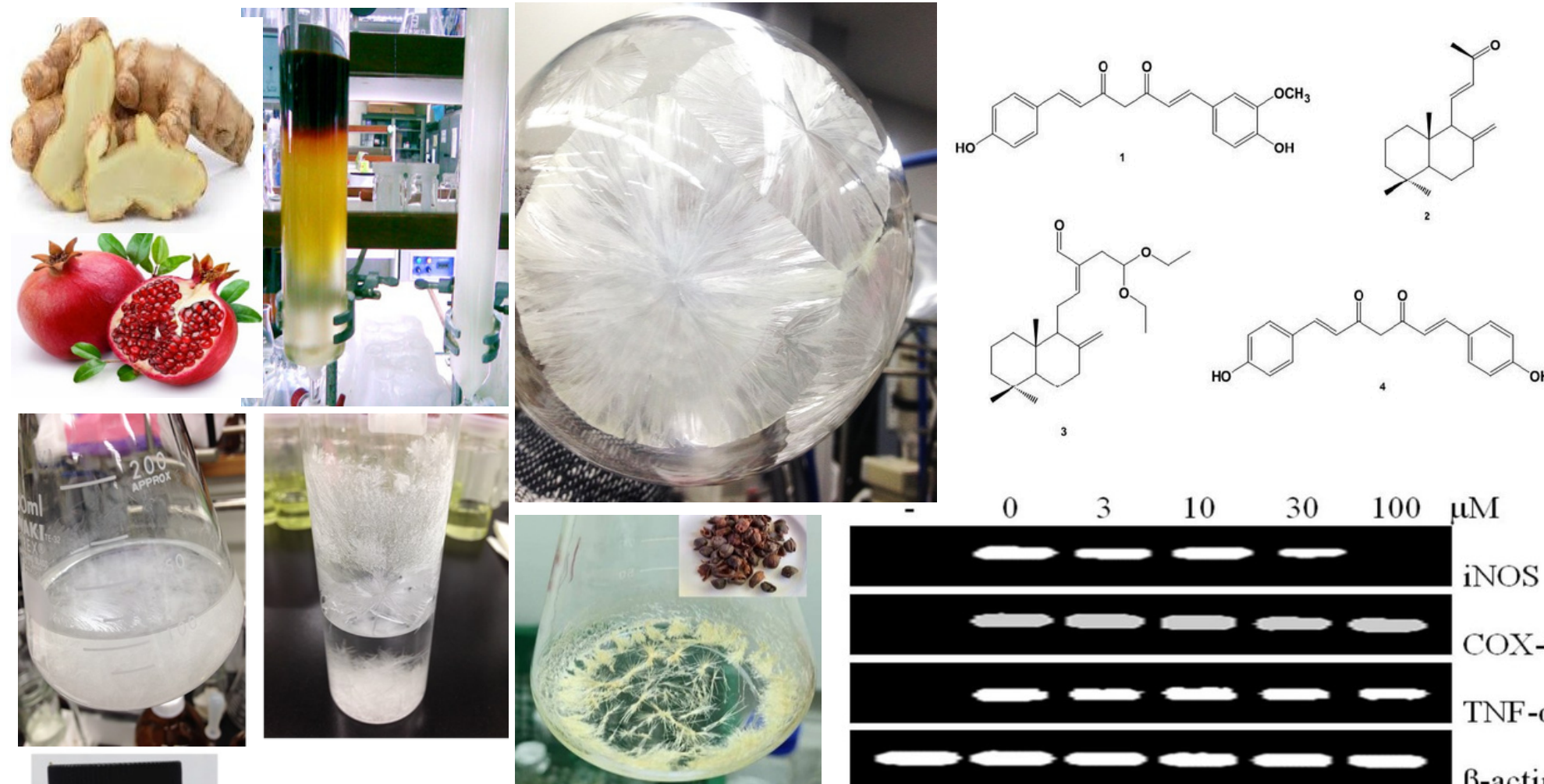
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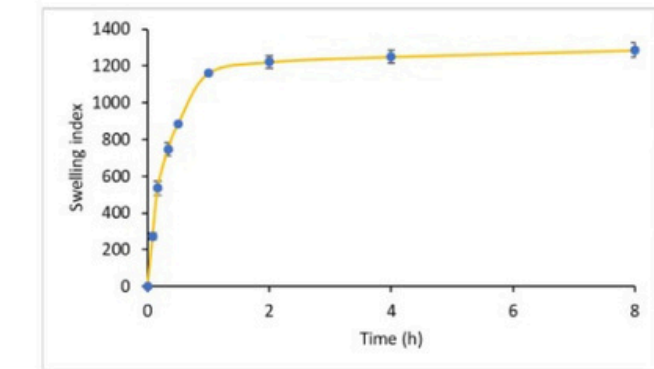
**Research Interest**

- Phytochemistry, Natural product isolation
- Biological activity of natural products
- Formulation of herbal medicines
- Cell culture, Gene expression

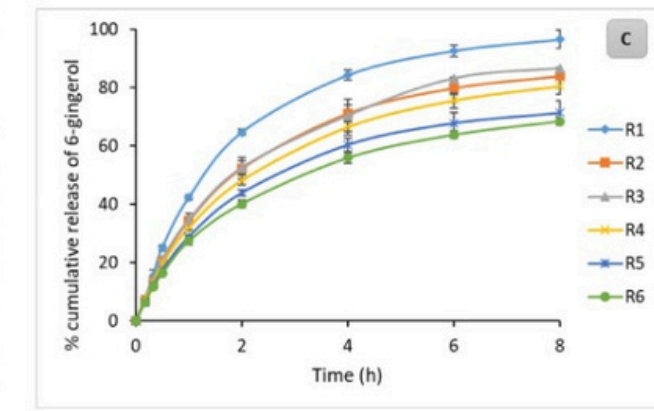
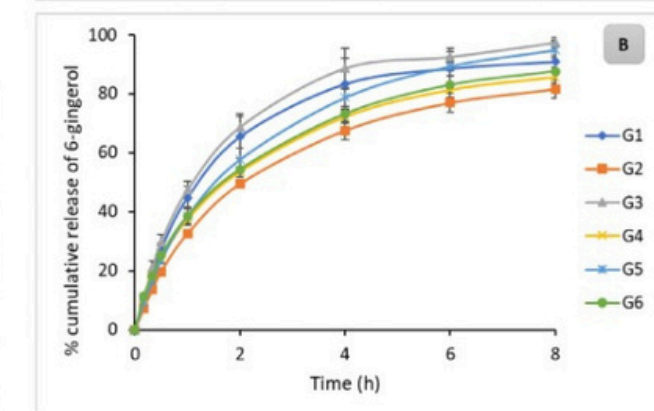
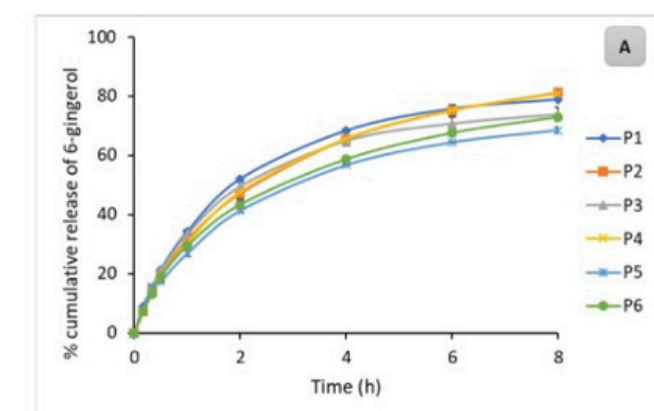
**More information** :



**Fig. 8.** The appearance of GE-SD powder. **(A)** The unfolding behavior of starch/chitosan films containing GE-SD at different time points in 0.1 N hydrochloric acid (pH 1.2) and size expansion **(B)** film in 0.1 N hydrochloric acid (pH 1.2) at 37 °C.



**Fig. 9.** Swelling behavior of expandable film prepared using glutinous rice starch and chitosan containing GE-SD (Formulation G5).



**Fig. 10.** Release profiles of 6-gingerol from starch/chitosan films prepared using vegetatinized maize- (A), glutinous rice- (B) and rice starch (C) and containing GE-SD in solid dispersion. Release medium: 0.1 N hydrochloric acid (pH 1.2), 37 °C.

Kaewkroek K, Petchsomrit A, Septama AW, Wiwattanapatapee R. 2022. Development of starch /chitosan expandable films as a gastroretentive carrier for ginger extract-loaded solid dispersion. Saudi Pharmaceutical Journal. 30(2): 120-31.

Karprakhon V, Sirisangsawang R, Kaewkroek K, Rojviroon T, Phetyim N, Sukpancharoen S. 2025. Optimization of combined subcritical water and CO2 extraction for enhanced phenolics and antioxidant activity from coffee byproducts. Scientific Reports. 15(1).