



คณะการแพทย์บูรณาการ
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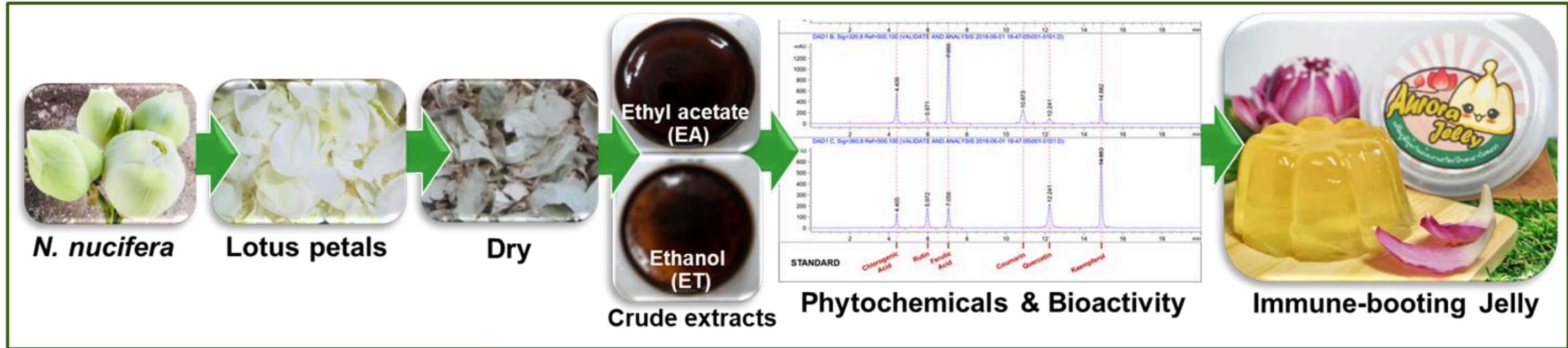
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Research Interest

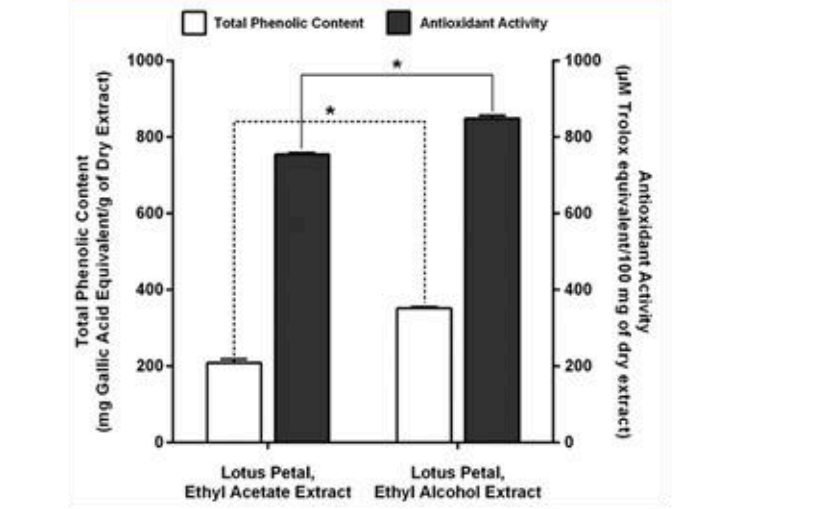
- Immunomodulatory effects of herbal extracts at the cellular level
- Biological activities of herbal extracts for health and cosmetic applications



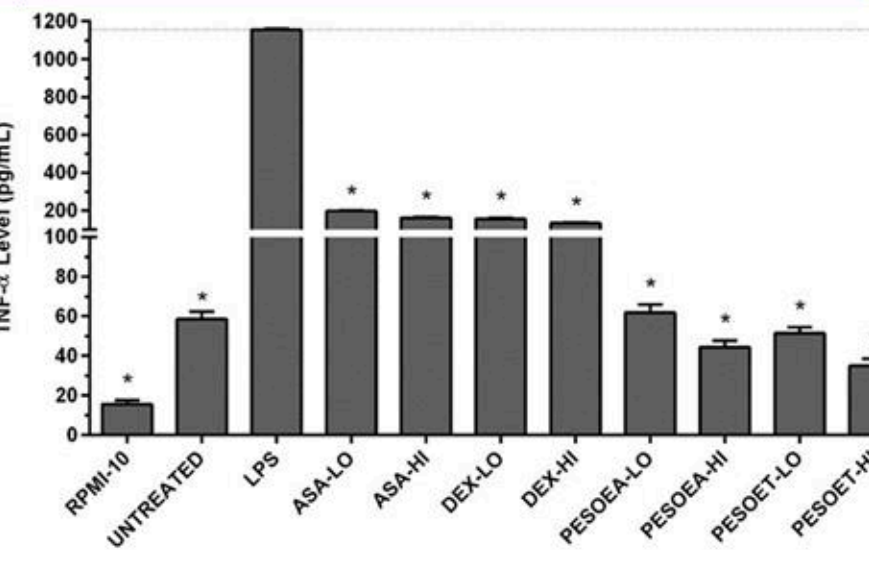
Phytochemical composition

Phytochemical (µg/mL)	Lotus Petal Extract	
	Ethyl Acetate	Ethyl Alcohol
Chlorogenic Acid	1.45 ± 0.120	3.10 ± 1.070
Rutin	2.42 ± 0.020	5.61 ± 3.150
Ferulic Acid	20.62 ± 1.560	51.27 ± 1.190
Coumarin	1.72 ± 0.330	4.61 ± 0.590
Quercetin	43.34 ± 0.280	25.95 ± 0.730
Kaempferol	92.17 ± 0.850	31.84 ± 1.810

Total phenolic & antioxidant



Anti-inflammatory activity



Immune-booting jelly

- Petal extracts**
 - Antioxidant
 - Anti-inflammation
 - No cellular toxicity
- Sweetener**
 - No insulin induction



More information: Sranujit, R.P.; Noysang, C.; Tippayawat, P.; Kooltheat, N.; Luetragoon, T.; Usuwanthim, K. Phytochemicals and Immunomodulatory Effect of *Nelumbo nucifera* Flower Extracts on Human Macrophages. *Plants* 2021, 10, 2007. <https://doi.org/10.3390/plants10102007>