



SONTHAYA UMSUMARNG

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ACADEMIC POSITION:

Instructor

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CONTACT :

Division of Veterinary Preclinical Sciences
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RESEARCH INTERESTS:

- BIOCHEMISTRY
- CANCER BIOLOGY
- MOLECULAR BIOLOGY
- HERBAL MEDICINE

EDUCATION

Chiang Mai University, Chiang Mai, Thailand

PH.D. (BIOCHEMISTRY)

Chiang Mai University, Chiang Mai, Thailand

D.V.M. (2ND CLASS HONORS)

MOST RECENT PUBLICATIONS :

1. **Umsumarng S**, Mapoung S, Semmarath W, Arjsri P, Thippraphan P, Yodkeeree S and Limtrakul (Dejkriengkraikul) P. Skin Wound-Healing Potential of Polysaccharides from Medicinal Mushroom *Auricularia auricula-judae* (Bull.): *Journal of Fungi*. 2021; 274(7): 1-16.
2. **Umsumarng S**, Mapoung S, Yodkeeree S, Pyne SG, and Limtrakul Dejkriengkraikul P. A Pharmacological Strategy Using Stemofoline for more Efficacious Chemotherapeutic Treatments Against Human Multidrug Resistant Leukemic Cells: *Asian Pac J Cancer Prev*. 2018; 19(12): 3533-3543.
3. Pyne SG, Jatisatienr A, Mungkornasawakul M, Ung AT, Limtrakul P, Sastraruji T, Sastraruji K, Chaiyong S, **Umsumarng S**, Baird MC, Dau XD and Ramli RA. Phytochemical, Synthetic and Biological Studies on *Stemona* and *Stichoneuron* Plants and Alkaloids: *Natural Product Communications* 2017; 12(8): 1365-1369.
4. Mon MT, Yodkeeree S, Punfa W, **Umsumarng S**, Lekwanavijit S, Siriaungkul S, Suprasert P and Limtrakul P. Relationships of ex-vivo drug resistance assay and cytokine production with clinicopathological features in the primary cell culture of Thai ovarian and fallopian tube cancer patients. *Asian Pac J Cancer Prev*. 2017;18(11):3063-3071.
5. Fujiki H, Suttajit M, Rawangkan A, Iida K, Limtrakul P, **Umsumarng S** and Sukanuma M. Phorbol esters in seed oil of *Jatropha curcas* L. (saboodam in Thai) and their association with cancer prevention: from the initial investigation to the present topics. *J Cancer Res Clin Oncol*. 2017; 143:1359-1369.
6. **Umsumarng S**, Pitchakarn P, Yodkeeree S, Punfa W, Mapoung S, Ramli AS, Stephen Pyne SG and Limtrakul P. Modulation of P-glycoprotein by *Stemona* alkaloids in human multidrug resistance leukemic cells and structural relationships. *Phytomedicine* 2017; 34: 182-190.
7. Oya Y, Mondal A, Rawangkan A, **Umsumarng S**, Iida K, Watanabe T, Kanno, Kaori M, Suzuk K, Li Z, Kagechika H, Shudo K, Fujiki H, Sukanuma M. Down-regulation of histone deacetylase 4, -5 and -6 as a mechanism of synergistic enhancement of apoptosis in human lung cancer cells treated with the combination of a synthetic retinoid, Am80 and green tea catechin. *Journal of Nutritional Biochemistry*. 2017; 42: 7-16.
8. Pitchakarn P, **Umsumarng S**, Mapoung S, Ting P, Temviriyankul P, Punfa W, Pompimon W and Limtrakul P. Kuguacin J isolated from bitter melon leaves modulates paclitaxel sensitivity in drug-resistant human ovarian cancer cells. *J Nat Med* 2017; 71:693-702.