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ห้อง 8801-4 อาคาร SC08 . สาขาวิชาเคมี คณะวิทยาศาสตร์ มหาวิทยาลัยขอนแก่น



ประวัติการศึกษา

วท.บ. (เคมี)	มหาวิทยาลัยมหิดล	ประเทศไทย	พ.ศ. 2526
ปร.ด. (อินทรีย์เคมี)	มหาวิทยาลัยมหิดล	ประเทศไทย	พ.ศ. 2532

ประสบการณ์การทำงาน

- 2532-2536 อาจารย์ ที่ภาควิชาเคมี คณะเภสัชศาสตร์ มหาวิทยาลัยขอนแก่น
- 2537-2543 ผู้ช่วยศาสตราจารย์ ที่ภาควิชาเคมี คณะเภสัชศาสตร์ มหาวิทยาลัยขอนแก่น
- 2544-ปัจจุบัน รองศาสตราจารย์ ที่สาขาวิชาเคมี คณะวิทยาศาสตร์ มหาวิทยาลัยขอนแก่น

หัวข้องานวิจัยหรืองานวิจัยที่สนใจ

Natural Products Chemistry

โครงการวิจัยที่ได้รับทุน (5 ปี ย้อนหลัง)

- [1] ชื่อโครงการ: โครงการ องค์ประกอบทางเคมีจากสมุนไพรไทย กรวยสวน มะขามเฒ่า เข็มป่า สะน่าน และฤทธิ์ทางชีวภาพ
แหล่งทุน: สำนักงานกองทุนสนับสนุนการวิจัย และมหาวิทยาลัยขอนแก่น

ผลงานทางวิชาการ

○ ผลงานวิจัยตีพิมพ์ในวารสารระดับนานาชาติ (International Publications)

จำนวน 32 เรื่อง (แสดงผลงานตั้งแต่ปี 2016 – ปัจจุบัน)

- [1] Sombatsri, A., Sribuham, T., Phusrisom, S., Kukongviriyapan, V., Yenjai, C*. A new rearranged limonoid and a new benzopyran from *Harrisonia perforata*. *Phytochemistry Letters*, 2021, 44, pp. 110–114.
- [2] Wandee, J., Srinontong, P., Prawan, A., Senggunprai, L., Kongpetch, S., Yenjai C., Kukongviriyapan, V., Derrischalcone suppresses cholangiocarcinoma cells through targeting ROS-mediated mitochondrial cell death, Akt/mTOR, and FAK pathways. *Naunyn-Schmiedeberg's Archives of Pharmacology*. 2021, inpress.

- [3] Chankhanittha, T., Yenjai, C., Nanan, S. Utilization of formononetin and pinocembrin from stem extract of *Dalbergia parviflora* as capping agents for preparation of ZnO photocatalysts for degradation of RR141 azo dye and ofloxacin antibiotic. *Catalysis Today*, 2021, inpress.
- [4] Chuenban, C., Sombatsri, A., Sribuham, T., Pornchoo, C., Prawan, A., Tontapha, S., Amornkitbamrung, V., Yenjai, C*. Kneecorticosterones C–H from the fruits of *Knema globularia* (Lam.) warb. *RSC Advances*, 2021, 11(7), 4097–4103.
- [5] Boonyarat, C., Sangchavee, K., Plekratoke, K., Kaewamatawong, R., Waiwut, P. Candidone Inhibits Migration and Invasion, and Induces Apoptosis in HepG2 Cells. *Biological & pharmaceutical bulletin*, 2021, 44(4), pp. 494–500.
- [6] Arthan, S., Pornchoo, C., Prawan, A., Tontapha, S., Amornkitbamrung, V., Yenjai, C*. Brandisianones F and G from *Millettia brandisiana* Kurz and their cytotoxicity. *Natural Product Research*, 2021, <https://doi.org/10.1080/14786419.2020.1869971>
- [7] Sribuham, T., Thongsri, Y., Yenjai, C*. Potential antifungal activity against *Pythium insidiosum* of isoflavonoids from the stems of *Dalbergia cultrate*. *Asian Journal of Chemistry*, 2020, 32 (7), 1788–1792.
- [8] Suthiwong, J., Sribuham, T., Wongphakham, P., Senawong, T., Yenjai, C*. Cytotoxicity of acylphloroglucinol derivatives from the fruits of *Horsfieldia irya*. *Natural Product Research*, 2020, <https://doi.org/10.1080/14786419.2020.1749616>
- [9] Takomthong, P., Waiwut, P., Yenjai, C., Sripanidkulchai, B., Reubroycharoen, P., Lai, R., Kamau, P., Boonyarat, C*. Structure-activity analysis and molecular docking studies of coumarins from *Toddalia asiatica* as multifunctional agents for alzheimer's disease. *Biomedicines*, 2020, 8(5), 107.
- [10] Wittayapipath, K., Yenjai, C., Prariyachatigul, C., Hamal, P. Evaluation of antifungal effect and toxicity of xanthyletin and two bacterial metabolites against Thai isolates of *Pythium insidiosum*. *Scientific Reports*, 2020, 10(1), 4495.
- [11] Somsakeesit, L.-O., Senawong, T., Kumboonma, P., Saenglee, S., Samankul, A., Senawong, G., Yenjai, C., Phaosiri, C*. Influence of side-chain changes on histone deacetylase inhibitory and cytotoxicity activities of curcuminoid derivatives. *Bioorganic and Medicinal Chemistry Letters*, 2020, 30(11), 127–171
- [12] Kumboonma, P., Senawong, T., Saenglee, S., Senawong, G.b, Somsakeesit, L.-O.a, Yenjai, C., Phaosiri, C*. New histone deacetylase inhibitors and anticancer agents from *Curcuma longa*. *Medicinal Chemistry Research*, 2019, 28(10), 1773–1782

- [13] Posri, P., Suthiwong J., Thongsri Y., Yenjai C*. Antifungal activity of compounds from the stems of *Dalbergia stipulacea* against *Pythium insidiosum*. *Natural Product Research*, 2019, doi.org/10.1080/14786419.2019.1672068
- [14] Sribuhom, T., Thummanant, Y., Phusrisom, S., Kukongviriyapan, V., Tontapha, S., Amornkitbamrung, V., Yenjai, C*. Styrenes from the Seeds of *Atalantia monophylla*, *Journal of Natural Products*. 2019, 82, 2246–2251.
- [15] Sombatsri, A., Thummanant, Y., Sribuhom, T., Wongphakham, P., Senawong T., Yenjai C*. Atalantums H-K from the peels of *Atalantia monophylla* and their cytotoxicity *Natural Product Research*, 2019, DOI:10.1080/14786419.2019.1576042
- [16] Wittayapipath K, Laolit S, Yenjai C, Chio-Srichan S, Pakarasang M, Tavichakorntrakool R, Prariyachatigul C*. Analysis of xanthyletin and secondary metabolites from *Pseudomonas stutzeri* ST1302 and *Klebsiella pneumoniae* ST2501 against *Pythium insidiosum*. *BMC Microbiology* 2019, 19, 1-9
- [17] Posri, P., Suthiwong, J., Takomthong, P., Wongsas, C., Chuenban, C., Boonyarat, C., Yenjai, C*. A new flavonoid from the leaves of *Atalantia monophylla* (L.) DC, *Natural Product Research*, 2019, 33 (8), 1115-1121.
- [18] Suthiwong J, Wandee J, Pitchuanom S, Sojikul P, Kukongviriyapan V, Yenjai C*. Cytotoxicity against cholangiocarcinoma and HepG2 cell lines of lignan derivatives from *Hernandia nymphaeifolia*. *Medicinal Chemistry Research*, 2018, 27, 2042-2049.
- [19] Sombatsri, A., Thummanant, Y., Sribuhom, T., Boonmak, J., Youngme, S., Phusrisom, S., Kukongviriyapan, V., Yenjai, C*. New limonophyllines A-C from the stem of *Atalantia monophylla* and cytotoxicity against cholangiocarcinoma and HepG2 cell lines, *Archives of Pharmacal Research*, 2018, 41, 431-437.
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- [21] Sukieum, S., Sang-aroon W., Yenjai C*. Coumarins and alkaloids from the roots of *Toddalia asiatica*, *Natural Product Research*, 2018, 32(8), 944-95
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- [23] Sudanich, S., Tiyaworanant S., Yenjai, C*. Cytotoxicity of flavonoids and isoflavonoids from *Crotalaria bracteata*, *Natural Product Research*, 2017, 31(22), 2641-2646.

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- [28] Hirunwong, C., Sukieum, S., Phatchana, R., Yenjai C*. Cytotoxic and antimalarial constituents from the roots of *Toddalia asiatica*. *Phytochemistry Letters*, 2016, 17, 242-245.
- [29] Sriphana, U., Yenjai, C., Koatthada, M. Cytotoxicity of chemical constituents from the roots of *Knema globularia*. *Phytochemistry Letters*, 2016, 16, 129–133.
- [30] Pitchuanom, S., Yenjai, C., Boonyarat, C., Forli, S., Olson, A.J. Virtual screening of NCI diversity set II lead to new cyclin-dependent kinases 5 inhibitors using AutoDock. *Letters in Drug Design and Discovery*, 2016, 13 (3), 234–242.
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○ หนังสือ/ตำรา

- [1] ชีวสังเคราะห์ของผลิตภัณฑ์ธรรมชาติ

