

รศ.ดร.ศิริวรรณ อธิคมกุลชัย

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วท.ด. เกษีษเคมีและผลิตภัณฑ์ธรรมชาติ

UKPSF certification

Research Interest

- พฤษเคมี
- เคมีผลิตภัณฑ์ธรรมชาติ
- การทดสอบฤทธิ์ทางชีวภาพของสมุนไพร

บทความวิจัยตีพิมพ์ในวารสารวิชาการระดับชาติและนานาชาติ (update 2025)

1. Chittasupho, C, Samee, W, Mangmool, S, Karuna, N, Anuchapreeda, S, Okonogi, S, & **Athikomkulchai, S.** 2025. Phytochemical Characterization and Anticancer Activity of Clerodendrum chinense Leaf Extract Against Breast and Cervical Cancer Cells. International Journal of Molecular Sciences, 26(6): 2729. <https://doi.org/10.3390/ijms26062729>
2. Chittasupho C, Samee W, Na Takuathung M, Okonogi S, Nimkulrat S, & **Athikomkulchai S.** Clerodendrum chinense Stem Extract and Nanoparticles: 2024. Effects on Proliferation, Colony Formation, Apoptosis Induction, Cell Cycle Arrest, and Mitochondrial Membrane Potential in Human Breast Adenocarcinoma Breast Cancer Cells. International Journal of Molecular Sciences. 25(2): 978. <https://doi.org/10.3390/ijms25020978>
3. Chittasupho C, Samee W, Tadtong S, Jittachai W, Ruksiriwanich W, Jantrawut P, & **Athikomkulchai S.** 2023. Cytotoxicity, apoptosis induction, oxidative stress, and cell cycle arrest of Clerodendrum chinense flower extract nanoparticles in HeLa cells. Natural and Life Sciences Communications. 22(4): e2023057. <https://doi.org/10.12982/NLSC.2023.057>
4. Chittasupho, C., **Athikomkulchai, S.**, Samee, W., Na Takuathung, M., Yoojin, W., Sawangrat, K., & Saenjum, C. (2023). Phenylethanoid Glycoside-Enriched Extract Prepared from Clerodendrum chinense Leaf Inhibits A549 Lung Cancer Cell Migration and Apoptosis Induction through Enhancing ROS Production. Antioxidants, 12(2), 461. <https://doi.org/10.3390/antiox12020461>.
5. Uttayarat, P., Chiangnoon, R., Thongnopkoon, T., Noiruksa, K., Trakanrungsie, J., Phattanaphakdee, W., Chittasupho, C., & **Athikomkulchai, S.** (2023). Electron Beam Irradiation Cross-Linked Hydrogel Patches Loaded with Red Onion Peel Extract for Transdermal Drug Delivery: Formulation, Characterization, Cytocompatibility, and Skin Permeation. Gels, 9(1), 52. <https://doi.org/10.3390/gels9010052>

สิทธิบัตร / อนุสิทธิบัตร / รางวัลเกียรติยศ

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