

Professor YANG Zhijun 楊智鈞教授

Professor, Teaching and Research Division

教學科研部教授

yzhijun@hkbu.edu.hk



Professor Yang graduated at Shenyang Pharmaceutical University in 1986, after that he became a tutor and then lecturer in China Pharmaceutical University. During the period, he learned basic theories of Traditional Chinese Medicine at Nanjing University of Traditional Chinese Medicine, and conducted research in Gifu Pharmaceutical University in Japan as a visiting scholar. In 1993, he studied in Chiba University in Japan as a doctoral candidate, and obtained the PhD. in Pharmaceutical Science in 1997. Subsequently, Professor Yang assumed the duty of a researcher in TaiYo Pharmaceutical Industry Ltd in Japan. In 2000, he carried out his postdoctoral research in University of British Columbia, Canada. One year later, he served in Northern Lipids Inc. in Canada as a scientist to develop Liposome Formulation. Over these years, Professor Yang has been engaged in development and research in pharmaceuticals for chemical and natural active pharmaceutical ingredients (API). He has attained remarkable results both in publications and pharmacy market products. Currently Professor Yang is focusing on the most front-line research of the pharmaceuticals to develop the formulation of API by combining the theories of Traditional Chinese Medicines (TCM) and Drug Delivery System (DDS).

楊智鈞教授 1986 年畢業於瀋陽藥科大學，同年起歷任中國藥科大學中藥製劑學助教和講師，期間曾在南京中醫藥大學學習中醫藥理論，也曾任日本岐阜藥科大學客座製劑研究員。楊教授於 1993 年留學日本千葉大學，1997 年獲得藥劑學博士學位並受聘為日本大洋藥品工業株式會社製劑研究員，2000 年於加拿大 University of British Columbia 從事博士後研究，2001 年任加拿大 Northern Lipids Inc. 脂質體處方開發科學家。楊教授多年來研究中西藥劑理論，發表論文多篇，并集中開發了中西藥劑產品，其中十多個產品銷售於醫藥市場。楊教授現在的研究集中在中西藥劑學研究開發前沿，結合中醫藥理論和西藥藥物遞送系統理論，開發中西藥劑新產品，努力尋找製劑新方法和新理論。

Selected Publications 精選出版物

1. Gaurav, I., Thakur, A., Kumar, G., Long, Q., Zhang, K., Sidu, R. K., Thakur, S., Sarkar, R. K., Kumar, A., Iyaswamy, A. & **Yang, Z.***, Delivery of Apoplastic Extracellular Vesicles Encapsulating Green-Synthesized Silver Nanoparticles to Treat Citrus Canker, *Nanomaterials*. 13, 8, 22 p., 1306. (2023)

2. Iyaswamy, A.,, Gaurav, I., **Yang, Z.**,, Ye, K., Chen, H. J., & Li, M. Fe65-engineered neuronal exosomes encapsulating corynoxine-B ameliorate cognition and pathology of Alzheimer's disease. *Signal Transduction and Targeted Therapy*, 8, Article 404. [https://doi.org/10.1038/s41392-023-01657-4\(2023\)\(IF: 39.3\)](https://doi.org/10.1038/s41392-023-01657-4(2023)(IF: 39.3))
3. Su, J., Thakur, A., Pan, G., Yan, J., Gaurav, I., Thakur, S., **Yang, Z.**, Cili, A. & Zhang, K., Morus alba derived Kuwanon-A combined with 5-fluorouracil reduce tumor progression via synergistic activation of GADD153 in gastric cancer, *MedComm – Oncology*. 2, 1, 17 p., e24. (2023)
4. Krishnamoorthi, S., Iyaswamy, A., Sreenivasmurthy, S. G., Thakur, A., Vasudevan, K., Kumar, G., Guan, X-J., Lu, K., Gaurav, I., Su, C-F., Zhu, Z., Liu, J., Kan, Y., Jayaraman, S., Deng, Z., Chua, K. K., Cheung, K-H., **Yang, Z.**, Song, J-X. & Li, M., PPAR α Ligand Caudatin Improves Cognitive Functions and Mitigates Alzheimer's Disease Defects By Inducing Autophagy in Mice Models, Sept 2023,: *Journal of NeuroImmune Pharmacology*. 18, 3, p. 509-528 20 p.
5. Kui Zhang, Zhi-Yao He, Abhimanyu Thakur, Xin Hu, Isha Gaurav, **Zhijun Yang**, Zhijie Xu and Guangzhao Pan*The roles of ion-induced cell death in cancer treatment: volume II, *Frontiers in Pharmacology*, (2023), DOI:10.3389/fphar.2023.1289829 (IF 5.6)
6. Yulin Fan and **Zhijun Yang*** Inhaled siRNA Formulations for Respiratory Diseases: From Basic Research to Clinical Application, *Pharmaceutics* 2022,14(6),1193; <https://doi.org/10.3390/pharmaceutics14061193> (Current IF:6.525; 5-year IF:7.227).
7. Yaqiao Lia, Lingxiao Lia, Qianhui Jin, Tian Liu, Jin Sun, Yongjun Wang, **Zhijun Yang**, Zhonggui He, Bingjun Sun: Impact of the amount of PEG on prodrug nanoassemblies for efficient cancer therapy, *Asian Journal of Pharmaceutical Sciences*, 17(2), 241-252(March 2022) (Current IF:9.273,ranking it 19 out of 279 in Pharmacology & pharmacy).
8. Ka Hong Wong; Muhammad Kashif Riaz; Yuning Xie; Xue Zhang; Qiang Liu; Huoji Chen; Zhaoxiang Bian; Xiaoyu Chen; Aiping Lu; **Zhijun Yang***, Review of Current Strategies for Delivering Alzheimer's Disease Drugs Across the Blood-Brain Barrier, *Focus* (25 Jan 2022) <https://doi.org/10.1176/appi.focus.20106>
9. Zhuxian Wang, Yaqi Xue, Tingting Chen, Qunqun Du, Zhaoming Zhu, Yuan Wang, Yufang Wu, Quanfu Zeng, Chunyan Shen, Cuiping Jiang, **Zhijun Yang**, Hongxia Zhu, Li Liu, Qiang Liu, Glycyrrhiza acid micelles loaded with licochalcone A for topical delivery: Co-penetration and anti-melanogenic effect, *European Journal of Pharmaceutical Sciences*, 167, (1 December 2021), 106029, <https://doi.org/10.1016/j.ejps.2021.106029>, (IF: 5.112, Q1 in Pharmacology & Pharmacy)
10. Isha Gaurav, Xuehan Wang, Abhimanyu Thakur, Ashok Iyaswamy, Sudha Thakur, Xiaoyu Chen, Gaurav Kumar, Min Li, **Zhijun Yang***, Peptide Conjugated Nano

Delivery Systems for Therapy and Diagnosis of Cancer, *Pharmaceutics* 2021, 13(9), 1433; <https://doi.org/10.3390/pharmaceutics13091433> (Current IF:6.525; 5-year IF:7.227).

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12. Isha Gaurav, Abhimanyu Thakur, Ashok Iyaswamy, Xuehan Wang, Xiaoyu Chen and **Zhijun Yang***: Factors Affecting Extracellular Vesicles Based Drug Delivery Systems. *Molecules* 2021,26,1544. <https://doi.org/10.3390/molecules26061544> (IF: 4.743, Q1 in Pharmacology & Pharmacy)
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16. Xiao Huang, Hai Lin, Feng Huang, Yuning Xie, Ka Hong Wong, Xiaoyu Chen, Dongyue Wu, Aiping Lu, and **Zhijun Yang***: Targeting Approaches of Nanomedicines in Acute Myeloid Leukemia, Dose Response. 2019:17(4):1559325819887048. (2019) (IF: 2.680, Q1in Chemical Health and Safety)
17. Xue Zhang, Congcong Lin, Waikai Chan, Kanglun Liu, Aiping Lu, Ge Lin, Rong Hu, Hongcan Shi, Hongqi Zhang and **Zhijun Yang***: Dual-functional Liposomes with Carbonic Anhydrase IX Antibody and BR2 Peptide Modification Effectively Improve Intracellular Delivery of Cantharidin to Treat Orthotopic Hepatocellular Carcinoma Mice. *Molecules*,2019, 24, 3332; doi:10.3390/molecules24183332 (2019)(IF: 3.267, Q1 in Pharmaceutical Science)
18. Jun Yee Tse, Kazunori Kadota, **Zhijun Yang**, Hiromasa Uchiyama, Yuichi Tozuka: Investigation of the molecular state of 4-aminosalicylic acid in matrix, formulations for dry powder inhalers using solid-state fluorescence spectroscopy of 4-dimethylaminobenzonitrile, *Advanced Powder Technology*, 30(10):2422-2429; <https://doi.org/10.1016/j.apt.2019.07.027>;(October 2019) (IF:3.250, Q1 in Chemical Engineering (miscellaneous))

19. Ka Hong Wong, Muhammad Kashif Riaz, Yuning Xie, Xue Zhang, Qiang Liu, Huoji Chen, Zhaoxiang Bian, Xiaoyu Chen, Aiping Lu* and **Zhijun Yang***: Review of Current Strategies for Delivering Alzheimer's Disease Drugs across the Blood-Brain Barrier. *Int. J. Mol. Sci.* 2019, 20, 381; doi:10.3390/ijms20020381 (2019)(**IF: 4.556, Q1 in Biochemistry & Molecular Biology**)

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while Enhancing Its Chemotoxicity against HT-29 Colorectal Cancer Cells through Intrinsic Apoptosis Induction. *J Agric Food Chem.* 2018 Jul 11;66(27):7054-7064. doi: 10.1021/acs.jafc.8b02458. (2018). **(IF:4.192, Q1 in Chemistry, applied)**

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