

## 白麗萍



職稱：副教授

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**簡介:** 白麗萍博士于 2001 年畢業于遼寧中醫藥大學，2004 年於同校取得碩士學位。2008 年于香港浸會大學取得博士學位。2006 年 10 月至 2007 年 1 月期間，于日本大阪大學產業科學研究所做訪問學者，主要從事苯並菲啶類生物鹼與人端粒 G-四鏈體 DNA 的相互作用研究。畢業後於香港浸會大學中醫藥學院進行博士後研究工作。2011 年 9 月受聘于澳門科技大學中藥質量研究國家重點實驗室，擔任助理教授，於 2015 年 7 月被破格晉升為副教授。

白博士的研究方向包括生物有機化學和天然藥物化學。主要從事中藥中生物活性成分研究；活性有機小分子的結構修飾及其藥效研究；新型鞘脂的設計合成及其在藥物製劑領域中的應用研究；中藥質量標準研究等。曾參與香港 31 種劇毒中藥的顯微鑒別研究工作。研究論文發表在 *Organic Letters*, *European Journal of Medicinal Chemistry*, *Bioorganic Chemistry*, *International Journal of Molecular Sciences*, *Journal of Natural Products*, *RSC Advances*, *ChemBioChem*, *Analytical and Bioanalytical Chemistry* 和 *Bioorganic & Medicinal Chemistry* 等國際學術刊物上。迄今，已獲 18 項國際專利授權（5 項美國專利）。她的研究得到澳門科技發展基金和澳門基金會的資助。作為項目組成員，參與香港浸會大學基金，國家自然科學基金和廣東省自然科學基金等項目。

### 教研領域

教學科目：中藥化學（理論課與實驗課）；中藥研究進展；中藥學研究進展；中藥化學選

論；中藥化學實驗技術；專題研究

研究方向：生物有機化學；天然藥物化學

## 學歷

2008.9 香港浸會大學哲學博士學位

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## 教學經驗：

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## 學術成果 (\*: 責任作者; #: 第一作者)

- 1) Xu, Ting; Tian Wenyue; Zhang, Qian; Liu Jiazheng; Liu, Zhiyan; Jin, Jing; Guo, Yong\*; **Bai, Li-Ping\***. Novel 1,3,4-thiadiazole/oxadiazole-linked honokiol derivatives suppress cancer via inducing PI3K/Akt/mTOR-dependent autophagy. *Bioorganic Chemistry*, 2021, in press
- 2) Zheng, Zhiyuan; Zhou, Zhongbo; Zhang, Qiulong; Zhou, Xiaobo; Yang, Ji; Yang, Ming-Rong; Zhu, Guo-Yuan; Jiang, Zhi-Hong; Li, Ting; Lin, Qianyu; **Bai, Li-Ping\***. Non-classical Cardenolides from *Calotropis gigantea* Exhibit Anticancer Effect as HIF-1 Inhibitors. *Bioorganic Chemistry*, **2021**, 109, 104740.
- 3) Zhong shan<sup>#</sup>; **Bai, Li-Ping#**; Liu, Xiaodong; Cai, Dieyi; Yau, Leefong; Huang, Chuqin; Zhang, Jiaqi; Lai, Kefang\*; Zhong, Nanshan. Cough inhibition activity of *Schisandra chinensis* in guinea pigs. *Journal of Medicinal Food*, 2021, in press.

- 4) Liu, Xin; Jing, Fu; Yang, Ji; Huang, AnCheng; Li, Run-Feng; **Bai, Li-Ping**; Liu, Liang; Jiang, Zhi-Hong\*; Zhu, Guo-Yuan\*. Linderagrenolides A–N, Oxygen-Conjugated Sesquiterpenoid Dimers from the Roots of *Lindera aggregata*. *ACS Omega*, **2021**, 6, 5898-5909.
- 5) Yang, Ji; Liu, Xin; Fu, Jing; Lyu, Hao-Yuan; **Bai, Li-Ping**; Jiang, Zhi-Hong\*; Zhu, Guo-Yuan\*. Calycindaphines A–J, Daphniphyllum alkaloids from the roots of *Daphniphyllum calycinum*. *RSC Advances*, **2021**, 11, 9057-9066.
- 6) Wang, Ye; Zheng, Zhong; Yuan, Yang; Wang, Mengdan; Guo, Zixia; Jiang, Yuan-Ye\*; **Bai, Li-Ping**\*; LI, Yanzhong\*. Cascade C-N Bond Cleavage of Amides / Intramolecular Amination Reactions: An Atom Economical Way to  $\alpha$ -Cabolin-4-ones. *Organic Chemistry Frontiers*, **2020**, 8, 579-583. <https://doi.org/10.1039/D0QO01257B>.
- 7) Zhou, Xiaobo; Xiao, Riping; Chen, Ming; **Bai, Li-Ping**\*. Synthesis of Uscharin Oxime Analogues and Their Biological Evaluation as HIF-1 Inhibitors. *ChemistrySelect*, **2020**, 5, 12869.
- 8) Li, Zheng; Qian, Zengting; Chen, Hongwei; Zhang, Huixia; Li, Yan; Wang, Caiyun; **Bai, Li-Ping**; Zhang, Wei\*; Jiang, Zhi-Hong\*. Similarity and specificity of traditional Chinese medicine formulas for the management of coronavirus disease 2019 and rheumatoid arthritis based on integrated network pharmacology. *ACS Omega*, **2020**, 5, 30519.
- 9) Xu, Ting; Zheng, Zhiyuan; Guo, Yong\*; **Bai, Li-Ping**\*. Semisynthesis of novel magnolol-based Mannich base derivatives that suppress cancer cells via inducing autophagy. *European Journal of Medicinal Chemistry*, **2020**, 205, 112663.
- 10) Huang, Qi; Zhang, Hui; **Bai, Li-Ping**, Law, Betty Yuen Kwan; Xiong, Haoming; Zhou, Xiaobo; Xiao, Riping; Qu, Yuan Qing; Mok, Simon Wing Fai; Liu, Liang\*; Wong, Vicent Kam Wai\*. Novel ginsenoside derivative 20(S)-Rh2E2 suppresses tumor growth and metastasis in vivo and in vitro via intervention of cancer cell energy metabolism, *Cell Death and Disease* **2020**, 11, 621.
- 11) Liu, Meixian; Li, Na; Zhang, Yida; Zheng, Zhiyuan; Zhuo, Yue; Sun, Baoqing; **Bai, Li-Ping**; Zhang, Mingming; Guo, Mingquan; Wu, Jianlin \*. Characterization of Covalent Protein Modification by Triclosan in vivo and in vitro via Three-Dimensional Liquid Chromatography-Mass Spectrometry: New Insight into Its Adverse Effects. *Environment International* **2020**,

136, 105423.

- 12) Wang, Zhihua; Wu, Wenbo; Guan, Xiangchen; Guo, Shuang; Li, Chaowen; Niu, Ruixue; Gao, Jie; Jiang, Min; **Bai, Li-Ping**; Leung, Elaine Laihan; Hou, Yuanyuan\*; Jiang, Zhi-Hong\*; Bai, Gang\*. Multiomic analysis revealed 20(s)-protopanaxatriol promotes the binding of P53 and DNA to regulate the antitumor network. *Acta Pharmaceutica Sinica B*, 2020,10(6), 1020-1035.
- 13) Jin, Jing<sup>#</sup>\*; Xue, Nina<sup>#</sup>; Liu, Yuan; Fu, Rong; Wang, Mingjin; Ji, Ming; Lai, Fangfang; Hu, Jinping; Wang, Xiaojian; Xiao, Qiong; Zhang, Xiaoying; Yin, Dali; **Bai, Li-Ping**; Chen, Liping\*; Rao, Shuan\*. A novel S1P1 modulator IMM002 ameliorates psoriasis in multiple animal models, *Acta Pharmaceutica Sinica B*, **2020**, 10(2), 276-288.
- 14) Chen, Qi; Liu, Juan; Zhuang, Yuxin; **Bai, Li-Ping**; Yuan, Qing; Zheng, Silin; Liao, Kangsheng; Khan, Md. Asaduzzaman; Wu, Qibiao; Luo, Cheng; Liu, Liang; Wang, Hui\*; Li, Ting\*. Identification of an IKK $\beta$  inhibitor for inhibition of inflammation in vivo and in vitro. *Pharmacological Research*, **2019**, 149, 104440.
- 15) Zhou, X. B<sup>#</sup>.; Chen, L.<sup>#</sup>; Jiang, Z.-H.; Chen, X. Y.; Luo, P.\*; **Bai, L.-P.**\*, Synthesis of 21-Alkylidenes and 21-Alkylol Analogues of Uscharin and Their Effects on Intracellular Calcium in Cardiac Cells. *Chemistryselect* **2019**, 4 (19), 5512-5517.
- 16) Liu, X.; Yang, J.; Yao, X.; Yang, X.; Fu, J.; **Bai, L.-P.**; Liu, L.; Jiang, Z.-H. \*; Zhu, G.-Y. \*, Linderalides A-D, Disesquiterpenoids Geranylbenzofuranone Conjugates from *Lindera aggregate*. *J Org Chem* **2019**, 84 (12), 8242-8247.
- 17) Liu, J.; **Bai, L.-P.**; Yang, F.; Yao, X.; Lei, K.; Kei Lam, C. W.; Wu, Q.; Zhuang, Y.; Xiao, R.; Liao, K.; Kuok, H.; Li, T.\*; Liu, L.\*, Potent Antagonists of ROR $\gamma$ 1, Cardenolides from *Calotropis gigantea*, Exhibit Discrepant Effects on the Differentiation of T Lymphocyte Subsets. *Mol Pharm* **2019**, 16 (2), 798-807.
- 18) Qin, H.-Y. \*; Kou, J.-X.; Rao, Z.; Zhang, G.-Q.; Wang, X.-H.; **Bai, L.-P.**; Wei, Y.-H., N-acetyltransferase Activity Assay and Inhibitory Compounds Screening by Using Living Human Hepatoma HepaRG Cell Model. *International Journal of Pharmacology* **2019**, 15 (2), 229-237.
- 19) Fan, D.; Li, T.; Zheng, Z.; Zhu, G.-Y.; Yao, X.; Jiang, Z.-H.\*; **Bai, L.-P.**\*, Macrolide sesquiterpene pyridine alkaloids from the stems of *Tripterygium regelii*. *J Nat Med* **2019**, 73

- (1), 23-33.
- 20) Zhu, G.-Y.\*; Yang, J.; Yao, X. J.; Yang, X.; Fu, J.; Liu, X.; **Bai, L.-P.**; Liu, L.; Jiang, Z.-H.\*,  
(+/-)-Sativamides A and B, Two Pairs of Racemic Nor-Lignanamide Enantiomers from the  
Fruits of *Cannabis sativa*. *J Org Chem* **2018**, *83* (4), 2376-2381.
- 21) Zhou, X.#; Qu, Y. Q. #; Zheng, Z.; Law, B. Y. K.; Mok, S. W. F.; Jiang, Z.-H.\*; Wong, V. K.  
W.\*; **Bai, L.-P.\***, Novel dauricine derivatives suppress cancer via autophagy-dependent cell  
death. *Bioorg Chem* **2018**, *83*, 450-460.
- 22) Sun, B.; Liang, Z.; Xie, B. P.; Li, R. T.; Li, L. Z.; Jiang, Z.-H.; **Bai, L.-P.**; Chen, J. X.\*,  
Fluorescence sensing platform based on ruthenium(II) complexes as high 3S (sensitivity,  
specificity, speed) and "on-off-on" sensors for the miR-185 detection. *Talanta* **2018**, *179*, 658-  
667.
- 23) Zhou, X. B.#; Chen, M.#; Zheng, Z. Y.; Zhu, G.-Y.; Jiang, Z.-H.\*; **Bai, L.-P.\***, Synthesis and  
evaluation of novel 12-aryl berberine analogues with hypoxia-inducible factor-1 inhibitory  
activity. *RSC Advances* **2017**, *7* (43), 26921-26929.
- 24) Yang, S. P.; Zhao, W.; Hu, P. P.; Wu, K. Y.; Jiang, Z.-H.; **Bai, L.-P.**; Li, M. M.; Chen, J. X.,  
Lanthanum-Based Metal-Organic Frameworks for Specific Detection of Sudan Virus RNA  
Conservative Sequences down to Single-Base Mismatch. *Inorg Chem* **2017**, *56* (24), 14880-  
14887.
- 25) Sun, B.; Zhao, H. Q.; Xie, B. P.; **Bai, L.-P.**; Jiang, Z.-H.; Chen, J. X., Sequence-specific  
fluorometric recognition of HIV-1 ds-DNA with zwitterionic zinc(II)-carboxylate polymers. *J  
Inorg Biochem* **2017**, *176*, 17-23.
- 26) Qiu, G. H.; Lu, W. Z.; Hu, P. P.; Jiang, Z.-H.; **Bai, L.-P.**; Wang, T. R.; Li, M. M.; Chen, J. X.\*,  
A metal-organic framework based PCR-free biosensor for the detection of gastric cancer  
associated microRNAs. *J Inorg Biochem* **2017**, *177*, 138-142.
- 27) Fan, D.; Zhou, S.; Zheng, Z.; Zhu, G.-Y.; Yao, X.; Yang, M. R.; Jiang, Z.-H.; **Bai, L.-P.\***, New  
Abietane and Kaurane Type Diterpenoids from the Stems of *Tripterygium regelii*. *Int J Mol Sci*  
**2017**, *18* (1), 147.
- 28) Xie, B.-P.#; Qiu, G.-H.#; Hu, P.-P.; Liang, Z.; Liang, Y.-M.; Sun, B.; **Bai, L.-P.**; Jiang, Z.-H.;  
Chen, J.-X.\*, Simultaneous detection of Dengue and Zika virus RNA sequences with a three-

- dimensional Cu-based zwitterionic metal–organic framework, comparison of single and synchronous fluorescence analysis. *Sensors and Actuators B: Chemical* **2017**, *254*, 1133-1140.
- 29) Yan, F.; Yang, F.; Wang, R.; Yao, X. J.; **Bai, L.-P.**; Zeng, X.; Huang, J.; Wong, V. K.; Lam, C. W.; Zhou, H.; Su, X.; Liu, J.; Li, T.\*; Liu, L.\*, Isoliquiritigenin suppresses human T Lymphocyte activation via covalently binding cysteine 46 of IkappaB kinase. *Oncotarget* **2017**, *8*(21), 34223-34235.
- 30) Wong, V. K. W.; Dong, H.; Liang, X.; **Bai, L.-P.**; Jiang, Z.-H.; Guo, Y.; Kong, A. N. T.; Wang, R.; Kam, R. K. T.; Law, B. Y. K.; Hsiao, W. W. L.; Chan, K. M.; Wang, J. R.; Chan, R. W. K.; Guo, J. R.; Zhang, W.; Yen, F. G.; Zhou, H.; Leung, E. L. H.; Yu, Z. L.; Liu, L.\*, Rh2E2, a novel metabolic suppressor, specifically inhibits energy-based metabolism of tumor cells. *Oncotarget* **2016**, *7* (9), 9907-9924.
- 31) Wang, J. R.; Tong, T. T.; Yau, L. F.; Chen, C. Y.; **Bai, L.-P.**; Ma, J.; Hu, M.; Liu, L.; Jiang, Z.-H., Characterization of oxygenated metabolites of ginsenoside Rg1 in plasma and urine of rat. *J Chromatogr B Analyt Technol Biomed Life Sci* **2016**, *1026*, 75-86.
- 32) Parhira, S.; Zhu, G.-Y.; Li, T.; Liu, L.; **Bai, L.-P.\***; Jiang, Z.-H.\*, Inhibition of IKK-beta by epidioxysterols from the flowers of *Calotropis gigantea* (Niu jiao gua). *Chin Med* **2016**, *11*, 9.
- 33) Parhira, S.; Zhu, G.-Y.; Chen, M.; **Bai, L.-P.\***; Jiang, Z.-H.\*, Cardenolides from *Calotropis gigantea* as potent inhibitors of hypoxia-inducible factor-1 transcriptional activity. *J Ethnopharmacol* **2016**, *194*, 930-936.
- 34) Li, J. X.; Sakata, A.; He, H. P.; **Bai, L.-P.**; Murata, A.; Dohno, C.; Nakatani, K.\*, Naphthyridine-Benzoazaquinolone: Evaluation of a Tricyclic System for the Binding to (CAG)(n) Repeat DNA and RNA. *Chemistry-an Asian Journal* **2016**, *11* (13), 1971-1981.
- 35) Li, J. X.; Matsumoto, J.; **Bai, L.-P.**; Murata, A.; Dohno, C.; Nakatani, K.\*, A Ligand That Targets CUG Trinucleotide Repeats. *Chemistry-a European Journal* **2016**, *22* (42), 14881-14889.
- 36) Fan, D. S.; Zhu, G.-Y.; Li, T.; Jiang, Z.-H.\*; **Bai, L.-P.\***, Dimacrolide Sesquiterpene Pyridine Alkaloids from the Stems of *Tripterygium regelii*. *Molecules* **2016**, *21* (9), 1146.
- 37) Fan, D. S.; Zhu, G.-Y.; Chen, M.; Xie, L. M.; Jiang, Z.-H.; Xu, L.; **Bai, L.-P.\***, Dihydro-beta-agarofuran sesquiterpene polyesters isolated from the stems of *Tripterygium regelii*.

*Fitoterapia* **2016**, *112*, 1-8.

- 38) Fan, D. S.; Parhira, S.; Zhu, G.-Y.; Jiang, Z.-H.; **Bai, L.-P.\***, Triterpenoids from the stems of *Tripterygium regelii*. *Fitoterapia* **2016**, *113*, 69-73.
- 39) Chen, C. Y.; **Bai, L.-P.**; Ke, Z. F.; Liu, Y.; Wang, J. R.\*; Jiang, Z.-H.\*, G-Quadruplex DNA-binding quaternary alkaloids from *Tylophora atrofoliculata*. *RSC Advances* **2016**, *6* (115), 114135-114142.
- 40) Wang, R.; Zhang, C. Y.; Bai, L.-P.; Pan, H. D.; Shu, L. M.; Kong, A. N. T.; Leung, E. L. H.; Liu, L.; Li, T.\*, Flavonoids derived from liquorice suppress murine macrophage activation by up-regulating heme oxygenase-1 independent of Nrf2 activation. *International Immunopharmacology* **2015**, *28* (2), 917-924.
- 41) J.-R. Wang, L.-F. Y., T.-T. Tong, Q.-T. Feng, **L.-P. Bai**, J. Ma, M. Hu, L. Liu, Z.-H. Jiang\*, Characterization of Oxygenated Metabolites of Ginsenoside Rb1 in Plasma and Urine of Rat. *Journal of Agricultural and Food Chemistry* **2015**, *63*, 2689-2700.
- 42) Zhu, G.-Y.; Yao, X. J.; Liu, L.; **Bai, L.-P.\***; Jiang, Z.-H.\*, Alistonitrine A, a Caged Monoterpene Indole Alkaloid from *Alstonia scholaris*. *Organic Letters* **2014**, *16* (4), 1080-1083.
- 43) Zhu, G.-Y.; Chen, G. Y.; Liu, L.; **Bai, L.-P.\***; Jiang, Z.-H.\*, C-17 Lactam-Bearing Limonoids from the Twigs and Leaves of *Amoora tsangii*. *Journal of Natural Products* **2014**, *77* (4), 983-989.
- 44) Zhu, G.-Y.; **Bai, L.-P.**; Liu, L.\*; Jiang, Z.-H.\*, Limonoids from the fruits of *Melia toosendan* and their NF-kappa B modulating activities. *Phytochemistry* **2014**, *107*, 175-181.
- 45) Yang, Z. F.#; **Bai, L.-P.** #; Huang, W. B.; Li, X. Z.; Zhao, S. S.; Zhong, N. S.\*; Jiang, Z.-H.\*, Comparison of in vitro antiviral activity of tea polyphenols against influenza A and B viruses and structure-activity relationship analysis. *Fitoterapia* **2014**, *93*, 47-53.
- 46) Parhira, S.; Zhu, G.-Y.; Jiang, R. W.; Liu, L.; **Bai, L.-P.\***; Jiang, Z.-H.\*, 2'-Epi-uscharin from the Latex of *Calotropis gigantea* with HIF-1 Inhibitory Activity. *Scientific Reports* **2014**, *4*, 4748.
- 47) Parhira, S.; Yang, Z. F.; Zhu, G.-Y.; Chen, Q. L.; Zhou, B. X.; Wang, Y. T.; Liu, L.; **Bai, L.-P.\***; Jiang, Z.-H.\*, In Vitro Anti-Influenza Virus Activities of a New Lignan Glycoside from

- the Latex of *Calotropis gigantea*. *Plos One* **2014**, 9 (8), e104544.
- 48) Law, B. Y. K.; Chan, W. K.; Xu, S. W.; Wang, J. R.; **Bai, L.-P.**; Liu, L.; Wong, V. K. W., Natural small-molecule enhancers of autophagy induce autophagic cell death in apoptosis-defective cells. *Scientific Reports* **2014**, 4.
- 49) **Bai, L.-P.**; Liu, J.; Han, L.; Ho, H. M.; Wang, R. X.; Jiang, Z.-H.\*, Mass spectrometric studies on effects of counter ions of TMPyP4 on binding to human telomeric DNA and RNA G-quadruplexes. *Analytical and Bioanalytical Chemistry* **2014**, 406 (22), 5455-5463.
- 50) **Bai, L.-P.**; Hagihara, M.; Nakatani, K.; Jiang, Z.-H.\*, Recognition of Chelerythrine to Human Telomeric DNA and RNA G-quadruplexes. *Scientific Reports* **2014**, 4, 6767.
- 51) **Bai, L.-P.**; Ho, H. M.; Ma, D. L.; Yang, H.; Fu, W. C.; Jiang, Z.-H.\*, Aminoglycosylation Can Enhance the G-Quadruplex Binding Activity of Epigallocatechin. *Plos One* **2013**, 8 (1), e53962.
- 52) Yang, W. G.; Wong, Y.; Ng, O. T. W.; **Bai, L.-P.**; Kwong, D. W. J.; Ke, Y.; Jiang, Z.-H.; Li, H. W.\*; Yung, K. K. L.\*; Wong, M. S.\*, Inhibition of Beta-Amyloid Peptide Aggregation by Multifunctional Carbazole-Based Fluorophores. *Angewandte Chemie-International Edition* **2012**, 51 (8), 1804-1810.
- 53) He, H.; **Bai, L.-P.**; Jiang, Z.-H.\*, Synthesis and human telomeric G-quadruplex DNA-binding activity of glucosaminosides of shikonin/alkannin. *Bioorganic & Medicinal Chemistry Letters* **2012**, 22 (4), 1582-1586.
- 54) Man, B. Y. W.; Chan, H. M.; Leung, C. H.; Chan, D. S. H.; **Bai, L.-P.**; Jiang, Z.-H.; Li, H. W.; Ma, D. L.\*, Group 9 metal-based inhibitors of beta-amyloid (1-40) fibrillation as potential therapeutic agents for Alzheimer's disease. *Chemical Science* **2011**, 2 (5), 917-921.
- 55) Ma, D. L.; Kwan, M. H. T.; Chan, D. S. H.; Lee, P.; Yang, H.; Ma, V. P. Y.; **Bai, L.-P.**; Jiang, Z.-H.; Leung, C. H., Crystal violet as a fluorescent switch-on probe for i-motif: label-free DNA-based logic gate. *Analyst* **2011**, 136 (13), 2692-2696.
- 56) Dong, H.<sup>#</sup>; **Bai, L.-P.**<sup>#</sup>; Wong, V. K. W.; Zhou, H.; Wang, J. R.; Liu, Y.; Jiang, Z.-H.\*; Liu, L.\*, The in Vitro Structure-Related Anti-Cancer Activity of Ginsenosides and Their Derivatives. *Molecules* **2011**, 16 (12), 10619-10630.
- 57) Chan, D. S. H.; Yang, H.; Kwan, M. H. T.; Cheng, Z.; Lee, P.; **Bai, L.-P.**; Jiang, Z.-H.; Wong, C. Y.; Fong, W. F.; Leung, C. H.\*; Ma, D. L.\*, Structure-based optimization of FDA-approved



- drug methylene blue as a c-myc G-quadruplex DNA stabilizer. *Biochimie* **2011**, 93 (6), 1055-1064.
- 58) Chu, C.; Xia, L.; **Bai, L.-P.**; Li, Q.; Li, P.; Chen, H. B.; Zhao, Z. Z.\*; Authentication of the 31 Species of Toxic and Potent Chinese Materia Medica by Light Microscopy, Part 3: Two Species of T/PCMM from Flowers and Their Common Adulterants. *Microscopy Research and Technique* **2009**, 72 (6), 454-463.
- 59) Xia, L.; **Bai, L.-P.**; Chu, C.; Li, P.; Jiang, Z.-H.; Zhao, Z. Z.\*; Authentication of the 31 species of Toxic and Potent Chinese Materia Medica (T/PCMM) by microscopic technique, Part 2: Three species of seed T/PCMM. *Microscopy Research and Technique* **2008**, 71 (4), 325-333.
- 60) **Bai, L.-P.**; Hagihara, M.; Jiang, Z.-H.\*; Nakatani, K.\*; Ligand Binding to Tandem G Quadruplexes from Human Telomeric DNA. *ChemBioChem* **2008**, 9 (16), 2583-2587.
- 61) **Bai, L.-P.**; Cai, Z. W.; Zhao, Z. Z.; Nakatani, K.; Jiang, Z.-H.\*; Site-specific binding of chelerythrine and sanguinarine to single pyrimidine bulges in hairpin DNA. *Analytical and Bioanalytical Chemistry* **2008**, 392 (4), 709-716.
- 62) Xia, L.; **Bai, L.-P.**; Yi, L.; Liu, B. B.; Chu, C.; Liang, Z. T.; Li, P.; Jiang, Z.-H.; Zhao, Z. Z.\*; Authentication of the 31 species of toxic and potent chinese materia medica (T/PCMM) by microscopic technique, part 1: Three kinds of toxic and potent animal CMM. *Microscopy Research and Technique* **2007**, 70 (11), 960-968.
- 63) Long, Y. H. #; **Bai, L.-P.** #; Qin, Y.; Pang, J. Y.; Chen, W. H.; Cai, Z. W.; Xu, Z. L.; Jiang, Z.-H., Spacer length and attaching position-dependent binding of synthesized protoberberine dimers to double-stranded DNA. *Bioorganic & Medicinal Chemistry* **2006**, 14 (13), 4670-4676.
- 64) **Bai, L.-P.**; Zhao, Z. Z.; Cai, Z. W.; Jiang, Z.-H.\*; DNA-binding affinities and sequence selectivity of quaternary benzophenanthridine alkaloids sanguinarine, chelerythrine, and nitidine. *Bioorganic & Medicinal Chemistry* **2006**, 14 (16), 5439-5445.
- 65) **Bai, L.-P.**; Jiang, H.; Kang, T.; Zhang, H.; Jiang, Z.-H.; Zhao, Z.\*; Pharmacognostical Evaluation of Arctii Fructus (5): Chemical Constituents from Fruits of *Amorpha fruticosa* L. *Natural Medicines* (The present journal name: *Journal of Natural Medicines*) **2004**, 58, 275-277.

## 著作：

- 1) 白麗萍（助編），《天然產物資源化學》，何蘭 姜志宏主編，科學出版社，北京，2008.
- 2) 白麗萍（編輯助理），《百藥鑒別》，趙中振、李應生主編，萬里機構萬里書店出版，香港，2008.
- 3) 白麗萍（編輯助理），《當代藥用植物典》第一、二卷，趙中振、肖培根主編，香港賽馬會中藥研究院有限公司出版，香港，2006.
- 4) 白麗萍（編輯助理），《香港容易混淆中藥》，趙中振、李應生主編，香港中藥聯商會督印，香港，2005.

## 研究項目：

- 1) 2021.03-2023.03, 中藥新藥“玉蝴蝶祛斑膏”的質量標準提升及臨床研究，澳門科學技術發展基金與廣東省科技廳聯合科研資助項目 0043/2020/AGJ，項目負責人
- 2) 2020.09-2023.09, 新型 S1P1 調節劑治療特發性肺纖維化的創新藥物研究，澳門科學技術發展基金與國家科技部聯合科研資助項目 0074/2019/AMJ，項目負責人
- 3) 2020.04-2021.04, 抗新型冠狀病毒肺炎的特效中藥的研發，澳門科學技術發展基金項目 0064/2020/A，項目負責人
- 4) 2020.01-2023.01, 融合人工智能和多組學技術開展川貝母等六種中藥的多維度質量控制研究，澳門科學技術發展基金重點研發項目 0023/2019/AKP，子課題一負責人
- 5) 2019.06-2022.06, 鹼性鞘磷脂脂質體的構建及其用於 siRNA 和化療藥物的聯合遞送研究，澳門科學技術發展基金 0004/2019/A1，項目負責人

- 6) 2014.01-2018.01, Calotropis 屬藥用植物中具有低氧誘導因子-1(HIF-1) 抑制活性的 Cardenolide 類成分研究, 澳門科學技術發展基金 056/2013/A2, 項目負責人
- 7) 2012.06-2014.11, 共價鍵修飾 IKK $\beta$  的 Epoxide 類中藥化學成分的 GSH 追蹤分離及其抗炎活性評價, 澳門科學技術發展基金 063/2011/A3, 項目負責人
- 8) 2012.01-2012.12, ESI-TOF-MS 和 MALDI-TOF-MS 技術對黃烷醇和黃酮醇化合物與澱粉樣多肽結合作用的比較研究, 澳門基金會 (#0205), 項目負責人

### 學術機構及社會任職

中國化學會 會員

世界中醫藥學會聯合會中藥免疫專業委員會 (常務理事)

世界中醫藥學會聯合會滿藥專業委員會 (常務理事)

澳門風濕病研究國際合作聯盟第一屆理事會 (常務理事);

### 獎項

- ✓ 2020 年度澳門自然科學獎三等獎, 藥物新靶標及中藥藥效物質的特徵性分子輪廓刻畫 (項目編號 012/2020/AN), 排名第三, 2020.10
- ✓ 2018/2019 學年度 澳科大「教學傑出獎」, 2019.08
- ✓ 2013 年度「澳科大中銀學術研究優秀獎」, 2014.09
- ✓ 2016 年度中珠醫療生命科學科研獎一等獎, 2017.09
- ✓ 中國化學會第 29 屆學術年會優秀牆報獎 (2014 年 8 月 4-7 日, 中國北京)