

白丽萍



职称： 教授

学院/部门： 中药质量研究国家重点实验室， 澳门药物及健康应用
研究院

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简介：白丽萍博士于 2001 年毕业于辽宁中医药大学，2004 年于同校取得硕士学位。2008 于香港浸会大学取得博士学位。2006 年 10 月至 2007 年 1 月期间，于日本大阪大学产业科学研究所做访问学者，主要从事苯并菲啶类生物碱与人端粒 G-四链体 DNA 的相互作用研究。毕业后于香港浸会大学中医药学院进行研究工作。2011 年 9 月受聘于澳门科技大学中药质量研究国家重点实验室，担任助理教授（自 2014 年 9 月，博士生导师），于 2015 年 7 月破格晋升为副教授，2023 年 7 月晋升为教授。

白博士的研究方向包括生物有机化学与药物化学和天然药物化学。主要从事中药中活性成分及其结构修饰物的化学与药效学研究；药物分子的设计、合成及其抗肿瘤、抗纤维化和抗病毒进入宿主等药效研究；中药成分的原位分析技术研究等。目前，专注于新型鞘脂的设计合成及其在 RNA 递送系统（脂质纳米粒 LNPs 等）中的应用研究，已获澳门科学技术发展基金（FDCT）的项目资助。曾参与香港 31 种剧毒中药的显微鉴别研究工作。研究论文发表在 *European Journal of Medicinal Chemistry*, *Bioorganic Chemistry*, *Organic Letters*, *Journal of Natural Products*, *Journal of Organic Chemistry*, *Biomedicine & Pharmacotherapy* 和 *Organic Chemistry Frontiers* 等国际学术刊物上 90 余篇。迄今，已获 20 余项专利授权（5 项美国专利）。荣获 2013 年度「澳科大中银学术研究优秀奖」，2018/2019 学年度 澳科大「教学杰出奖」和 2020 年度澳门自然科学奖三等奖（团体奖）等

奖项。主持澳门科学技术发展基金（FDCT）和澳门基金会等资助的研究项目十余项，包括 1 项 FDCT 重点研发项目（课题：基于计算器视觉技术的中药材快速鉴别研究，PI）；1 项 FDCT-国家科技部联合资助项目和 1 项 FDCT-广东省科技厅联合资助项目。作为项目组成员，参与国家自然科学基金和广东省自然科学基金，2021 年深圳市科技创新委员会资助的深港澳科技计划（C 类项目）等项目。

教研领域

教学科目：

中药学博士/硕士研究生教学：中药研究进展（课程统筹）；中药学研究进展（课程统筹）；中药化学选论（课程统筹）；中药化学实验技术（课程统筹）。

中药学/药学博士研究生教学：专题导读。

中药学本科教学：中药化学（理论课与实验课，实验课程统筹）；专题研究（课程统筹）。

研究方向：生物有机与药物化学；天然药物化学

研究兴趣：

- 新型鞘脂的设计合成及其在 RNA 药物递送系统（LNPs）中的应用研究
- 抗癌和抗纤维化等药物分子的设计合成与药效学研究
- 中药的原位分析技术研究
- 基于计算器视觉技术的中药材快速识别研究（与计算机视觉技术领域专家蔡占川教授团队的合作研究）

学历

2008.9 香港浸会大学哲学博士学位

2004.7 辽宁中医药大学药学硕士学位

2001.7 辽宁中医药大学中药学（英语班，五年制）学士学位

教学经验:

2023.7-今	澳门科技大学中药质量研究国家重点实验室, 教授
2015.7-2023.6	澳门科技大学中药质量研究国家重点实验室, 副教授
2011.9-2015.6	澳门科技大学中药质量研究国家重点实验室, 助理教授
2010.10-2011.8	香港浸会大学中医药学院, 高级研究助理
2008.10-2010.9	香港浸会大学中医药学院, 研究助理
2006.10-2007.1	日本大阪大学产业科学研究所, 访问学者
2003.10-2005.4	香港浸会大学中医药学院, 访问学者

学术成果

代表性研究论文 (*: 责任作者; #: 第一作者)

- 1) Liu, Qian-Bao; Liu, Jiazheng; Lu, Jing-Guang; Yang, Ming-Rong; Zhang, Wei; Li, Wen-Jia; Qian, Zheng-Ming; Jiang, Zhi-Hong*; **Bai, Li-Ping***. Quantitative ^1H NMR with global spectral deconvolution approach for quality assessment of natural and cultured *Cordyceps sinensis*. *Journal of Pharmaceutical and Biomedical Analysis*, **2023**, in press.
- 2) Ren, Wen-Jing; Io, Chi-Cheng; Jiang, Rong; Ng, Kei-Fong; Liu, Jiazheng; **Bai, Li-Ping**; Zhang, Wei; Jiang, Zhi-Hong*; Liu, Yuhong*; Zhu, Guo-Yuan*. Di- and Triterpenoids from the Rhizomes of *Isodon amethystoides* and Their Anti-inflammatory Activities. *Journal of Natural Products*, **2023**, 86, 1230–1239.
- 3) Meng, Jie-Ru; Liu, Jiazheng; Fu, Lu; Shu, Tong; Yang, Lingzhi; Zhang, Xueji*; Jiang, Zhi-Hong*; **Bai, Li-Ping***. Anti-Entry Activity of Natural Flavonoids Against SARS-CoV-2 by Targeting Spike RBD. *Viruses*, **2023**, 15, 160.
- 4) Hao, Mengyao; Fu, Rong; Tai, Jun; Tian, Zhenhuan; Yuan, Xia; Chen, Yang; Wang, Mingjin; Jiang, Huimin; Ji, Ming; Lai, Fangfang; Xue, Nina; **Bai, Li-Ping**; Zhu, Yizhun; Lv, Xiaoxi*; Chen, Xiaoguang*; Jin, Jing*. S1PR1 serves as a viable drug target against pulmonary fibrosis by increasing the integrity of the endothelial barrier of the lung. *Acta Pharmaceutica Sinica B*, **2023**, 13, 1110-1127.
- 5) Zhang, Hui-Xia[#]; Qin, Jian-Feng[#]; Sun, Jian-Feng; Pan, Yu; Yan, Tongmeng; Wang, Cai-Yun;

- Bai, Li-Ping**; Zhu, Guo-Yuan; Jiang, Zhi-Hong*; Zhang, Wei*. Selective chemical labeling strategy for oligonucleotides determination: a first application to full-range profiling of transfer RNA modifications. *Analytical Chemistry*, **2023**, *95*, 686-694.
- 6) Lu, Li; Zhang, Xin; Kang, Yu; Xiong, Zhuang; Zhang, Kun; Xu, Xuetao*, **Bai, Li-Ping***; Li, Hongguang*. Novel coumarin derivatives as potential tyrosinase inhibitors: Synthesis, binding analysis and biological evaluation. *Arabian Journal of Chemistry*, **2023**, *16*:104724.
- 7) Liu, Jiazheng[#]; Meng, Jieru[#]; Li, Runfeng[#]; Jiang, Haiming; Fu, Lu; Xu, Ting; Zhu, Guo-Yuan; Zhang, Wei; Gao, Jin; Jiang, Zhi-Hong*; Yang, Zi-Feng*; **Bai, Li-Ping***. Integrated Network Pharmacology Analysis, Molecular Docking, LC-MS Analysis and Bioassays Revealed the Potential Active Ingredients and Underlying Mechanism of *Scutellariae Radix* for COVID-19. *Frontiers in Plant Science*, **2022**, *13*, 988655.
- 8) Zheng, Zhiyuan[#]; Xu, Ting[#]; Liu, Zhiyang; Tian, Wenyue; Jiang, Zhi-Hong; Zhu, Guo-Yuan; Li, Ting; Gao, Jin; **Bai, Li-Ping***. Cryptolepine suppresses breast adenocarcinoma *via* inhibition of HIF-1 mediated glycolysis. *Biomedicine & Pharmacotherapy*, **2022**, *153*, 113319.
- 9) Wu, Xu-Jia; Cao, Dai; Chen, Fei-Long; Shen, Rong-Sheng; Gao, Jin; **Bai, Li-Ping**; Zhang, Wei; Jiang, Zhi-Hong*; Zhu, Guo-Yuan*. Chlorfortunoids A and B, Two Sesquiterpenoid Dimers Possessing Dispiro[4,2,5,2]pentadecane-6,10,14-tren Moiety from *Chloranthus fortunei*. *ACS Omega*, **2022**, *7*, 35063-35068.
- 10) Yin, Tianpeng; Yu, Yi; Liu, Qinghua; Zhu, Guoyuan; **Bai, Li-Ping**; Zhang, Wei*; Jiang, Zhi-Hong*. ¹³C-NMR-based MixONat strategy coupled with 2D NMR for rapid dereplication and identification of new secondary metabolites from *Aloe vera*. *Journal of Food Composition and Analysis*, **2022**, *115*, 104975.
- 11) Lu, Jing-Guang; Wang, Yingwei; Yang, Ming-Rong; Wang, Cai-Yun; Meng, Jieru; Liu, Jiazheng; Yang, Zi-Feng; Wu, Kongsong; **Bai, Li-Ping***; Zhu, Guo-Yuan*; Jiang, Zhi-Hong*. Structures, Biomimetic Synthesis, and Anti-SARS-CoV-2 Activity of Two Pairs of Enantiomeric Phenylpropanoid-Conjugated Pro-toberberine Alkaloids from the Rhizomes of *Corydalis decumbens*. *Archives of Pharmacal Research*, **2022**, *45*, 631-643.
- 12) Wu, Yanqi; **Bai, Li-Ping**; Ye, Chengfu; Guan, Yuhong; Yan, Kunming; Chen, Hui; Jiang Zhi-

- Hong*. Novel miniaturized fluorescence loop-mediated isothermal amplification detection system for rapid on-site virus detection. *Frontiers in Bioengineering and Biotechnology*, **2022**, *10*, 964244.
- 13) Shen, Rong-Sheng; Cao, Dai; Chen, Fei-Long; Wu, Xu-Jia; Gao, Jin; **Bai, Li-Ping**; Zhang, Wei; Jiang, Zhi-Hong*; Zhu, Guo-Yuan*. New monoterpene-conjugated phenolic constituents from nutmeg and their autophagy modulating activities. *Journal of Agricultural and Food Chemistry*, **2022**, *70*(31), 9684-9693.
- 14) Chen, Fei-Long; Liu, Dong-Li; Fu, Jing; Fu, Lu; Gao, Jin; **Bai, Li-Ping**, Zhang, Wei, Jiang, Zhi-Hong*; Zhu, Guo-Yuan*. Atrachinenynes A–D, four diacetylenic derivatives with unprecedented skeletons from the rhizomes of *Atractylodes chinensis*. *New Journal of Chemistry*, **2022**, Doi:10.1039/D2NJ02149H.
- 15) Kong, Lingkai[#]; Tian, Wenyue[#]; Liu, Zhiyan, Xu, Ting; Wen, Haoyue; Chen, Zihan; Gao, Jin; **Bai, Li-Ping***. TfOH-Catalyzed Cascade C-H/N-H Chemo-regioselective Annulation of Indole-2-carboxamides with Benzoquinones for the Construction of Anticancer Tetracyclic Indolo[2,3-c]quinolinones. *Journal of Organic Chemistry*, **2022**, *87*, 7955-7967.
- 16) Yin, Tianpeng; Yu, Yi; Liu, Qinghua; Mingyue Zhou; Zhu, Guo-Yuan; **Bai, Li-Ping**; Zhang, Wei*; Jiang, Zhi-Hong*. 2D NMR-based MatchNat Dereplication Enables Explosive Discovery of Novel Diterpenoid Alkaloids. *Chinese Journal of Chemistry*, **2022**, *40*, 2169-2178.
- 17) Xu, Ting[#]; Meng, Jieru[#]; Cheng, Wanqing; Liu, Jiazheng; Chu, Junyan; Zhang, Qian; Ma, Nannan; **Bai, Li-Ping***; Guo, Yong*. Discovery of honokiol thioethers containing 1,3,4-oxadiazole moieties as potential α -glucosidase and SARS-CoV-2 entry inhibitors. *Bioorganic and Medicinal Chemistry*, **2022**, *67*, 116838.
- 18) Liu, Qian-Bao[#]; Lu, Jing-Guang[#]; Jiang, Zhi-Hong*; Zhang, Wei; Li, Wen-Jia; Qian, Zheng-Ming; **Bai, Li-Ping***. In situ chemical Profiling and imaging of cultured and natural *Cordyceps sinensis* by TOF-SIMS. *Frontiers in Chemistry*, **2022**, *10*, 862007.
- 19) Xiao, Riping[#]; Lei, Kaiwai[#]; Kuok, Hioha[#]; Deng, Wende; Zhuang, Yuxing; Tang, Yanqing; Guo, Zhengyang; Qin, Hongyan*; **Bai, Li-Ping***; Li, Ting*. Synthesis and identification of lithocholic acid 3-sulfate as ROR γ t ligand to inhibit Th17 cell differentiation. *Journal of*

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- 20) Wang, Yue; Wu, Xuan; Sun, Jianfeng; Wang, Caiyuan; Zhu, Guoyuan; **Bai, Li-Ping**; Jiang, Zhi-Hong*; Zhang, Wei*. Stripping voltammetric determination of cadmium and lead ions based on a bismuth oxide surface-decorated nanoporous bismuth electrode. *Electrochemistry Communications*, **2022**, *136*, 107233.
- 21) Kong, Lingkai; Hu, Xueping; **Bai, Li-Ping***. TBAI-Catalyzed Oxidative Coupling of Benzyl Ketones to Synthesize 2,3-Diary-1,4-Diketones in Water. *ACS OMEGA*, **2022**, *7*, 2337-2343.
- 22) Kong, Lingkai; Meng, Jieru; Tian, Wenyue; Liu, Jiazheng; Hu, Xueping; Jiang, Zhi-Hong; Zhang, Wei; Li, Yanzhong*; **Bai, Li-Ping***. I₂-Catalyzed Carbonylation of α -Methylene Ketones to Synthesize 1,2-Diaryl Diketones and Antiviral Quinoxalines in One Pot. *ACS OMEGA*, **2022**, *7*, 1380-1394.
- 23) Chen, Fei-Long; Liu, Dong-Li; Fu, Jing; Yang, Ji; **Bai, Li-Ping**; Zhang, Wei; Jiang, Zhi-Hong*; Zhu Guo-Yuan*. (\pm)-Atrachinenins A–C, three pairs of caged C₂₇ meroterpenoids from the rhizomes of *Atractylodes Chinensis*. *Chinese Journal of Chemistry*, **2022**, *40*, 460-466.
- 24) Guo, Yong[#]; Meng, Jieru[#]; Liu, Jiazheng; Xu, Ting; Zheng, Zhiyuan; Jiang, Zhi-Hong; **Bai Li-Ping***. Synthesis and biological evaluation of honokiol derivatives bearing 3-((5-phenyl-1,3,4-oxadiazol-2-yl)methyl)oxazol-2(3H)-ones as potential viral entry inhibitors against SARS-CoV-2. *Pharmaceuticals*, **2021**, *14*, 885.
- 25) Guo, Yong; Enhua, Hou; Tingyu, Wen; Xiaoting, Yan; Meiyue, Han; **Bai, Li-Ping**; Xiangjing, Fu; Jifeng, Liu*; Shangshang, Qin*. Development of Membrane-Active Honokiol/Magnolol Amphiphiles as Potent Antibacterial Agents against Methicillin-Resistant *Staphylococcus aureus* (MRSA). *Journal of Medicinal Chemistry*, **2021**, *64*, 12903-12916.
- 26) Hu, Chun-Mei; Wang, Wen-Jing; Ye, Yuan-Na; Kang, Yu; Lin, Jing; Wu, Pan-Pan; Li, Dong-Li; **Bai, Li-Ping**; Xu, Xue-Tao; Li, Bao-Qiong; Zhang, Kun. Novel cinnamic acid moganol derivatives as potent α -glucosidase and α -amylase inhibitors: Synthesis, in vitro and in silico studies. *Bioorganic Chemistry*, **2021**, *116*, 105291.

- 27) 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**, *115*, 105257.
- 28) Liu, Xin; Fu, Jing; Shen, Rong-Sheng; Wu, Xu-Jia; Yang, Ji; **Bai, Li-Ping**; Jiang, Zhi-Hong*; Zhu, Guo-Yuan*. Linderanoids A–O, dimeric sesquiterpenoids from the roots of *Lindera aggregata* (Sims) Kosterm. *Phytochemistry*, **2021**, *191*, 112924.
- 29) 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.
- 30) Li, Yan[#]; Zhang, Huixia[#]; Luo, Wendi; Lam, Christopher Wai Kei; Wang, Caiyun; **Bai, Li-Ping**; Wong, Vincent Kam Wai; Zhang, Wei*; Jiang, Zhi-Hong*. Profiling ribonucleotide and deoxyribonucleotide pools perturbed by remdesivir in human bronchial epithelial cells. *Frontiers in Pharmacology*, **2021**, *12*, 647280.
- 31) Liu, Xin; Yang, Ji; Fu, Jing; Xu, Pei-Lin; Xie, Tang-Gui; **Bai, Li-Ping**; Jiang, Zhi-Hong*, Zhu, Guo-Yuan*. Monoterpene-Flavonoid Conjugates from *Sarcandra glabra* and Their Autophagy Modulating Activities. *Bioorganic Chemistry*, **2021**, *112*, 104830.
- 32) Zhong Shan[#]; **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**, *24*, 348-357.
- 33) Liu, Xin; Jing, Fu; Yang, Ji; Huang, AnCheng; Li, Run-Feng; **Bai, Li-Ping**; Liu, Liang; Jiang, Zhi-Hong*; Zhu, Guo-Yuan*. Linderaggrenolides A–N, Oxygen-Conjugated Sesquiterpenoid Dimers from the Roots of *Lindera aggregata*. *ACS Omega*, **2021**, *6*, 5898-5909.
- 34) 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.
- 35) 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 α -Cabolin-4-ones. *Organic Chemistry Frontiers*, **2020**, 8, 579-583.

- 36) 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.
- 37) 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.
- 38) 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.
- 39) 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.
- 40) 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.
- 41) 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.
- 42) Jin, Jing^{#*}; Xue, Nina[#]; 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.
- 43) 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 β inhibitor for inhibition of inflammation in vivo and in vitro. *Pharmacological Research*, **2019**, *149*, 104440.
- 44) Zhou, Xiaobo[#]; Chen, Li[#]; Jiang, Zhi-Hong; Chen, Xiao Yi; Luo, Pei*; **Bai, Li-Ping***. 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.
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2376-2381.

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专利

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- 5) 2020.01-2023.01, 融合人工智能和多组学技术开展川贝母等六种中药的多维度质量控制研究, 澳门科学技术发展基金重点研发项目 0023/2019/AKP, 800 万澳门币, 子课题负责人
- 4) 2019.06-2022.06, 碱性鞘磷脂脂质体的构建及其用于 siRNA 和化疗药物的联合递送研究, 澳门科学技术发展基金 0004/2019/A1, 270 万澳门币, 项目负责人
- 3) 2014.01-2018.01, Calotropis 属药用植物中具有低氧诱导因子-1(HIF-1) 抑制活性的 Cardenolide 类成分研究, 澳门科学技术发展基金 056/2013/A2, 304 万澳门币, 项目负责人
- 2) 2012.06-2014.11, 共价键修饰 IKK β 的 Epoxide 类中药化学成分的 GSH 追踪分离及其抗炎活性评价, 澳门科学技术发展基金 063/2011/A3, 202.2 万澳门币, 项目负责人

- 1) 2012.01-2012.12, ESI-TOF-MS 和 MALDI-TOF-MS 技术对黄烷醇和黄酮醇化合物与淀粉样多肽结合作用的比较研究, 澳门基金会 (#0205), 8.5 万澳门币, 项目负责人

学术机构及社会任职

中国化学会 会员

世界中医药学会联合会满药专业委员会 (常务理事)

奖项

- ✓ 2020 年度澳门自然科学奖三等奖, 药物新靶标及中药药效物质的特征性分子轮廓刻画 (项目编号 012/2020/AN), 团体奖, 排名第三, 2020.10
- ✓ 2018/2019 学年度 澳科大「教学杰出奖」, 2019.08
- ✓ 2013 年度「澳科大中银学术研究优秀奖」, 2014.09
- ✓ 2016 年度中珠医疗生命科学科研奖一等奖, 2017.09