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### **Education**

**Ph.D.** in Biomedical Sciences, University of Macau, 2008

**M.Sc.** in Chinese Medicine, University of Macau, 2004

**M.Sc.** in Chinese Pharmaceutics, Chengdu University of TCM, 2002

**B.Sc.** in Chinese Medicine, Chengdu University of TCM, 2001

### **Working Experience**

2018.3 to Present: Deputy Director, Institute of Chinese Medical Sciences, University of Macau, Macao, PR China

2017.8 to present: Associate Professor, State Key Laboratory of Quality Research in Chinese Medicine, Institute of Chinese Medical Sciences, University of Macau, Macao, PR China

2011.8 to 2017.8: Assistant Professor, State Key Laboratory of Quality Research in Chinese Medicine, Institute of Chinese Medical Sciences, University of Macau, Macao, PR China

2008.9 to 2011.7: Associate Professor, Faculty of Life Science and Technology, Kunming University of Science and Technology

### **Honors and Awards**

1. 1<sup>st</sup> Prize, WFCMS International Award for Contribution to Chinese Medicine – Achievement Award in Medical Sciences, 2021
2. 2<sup>nd</sup> Prize, Higher Education Outstanding Scientific Research Output Award (Science and Technology) –Science and Technology Progress Award, 2021
3. Gold Award, The 47<sup>th</sup> Geneva International Exhibition of Inventions, 2019
4. 3<sup>rd</sup> Prize, Macao Science and Technology Awards – Technological Invention Award, 2018
5. 3<sup>rd</sup> Prize, Science and Technology Award of Chinese Pharmaceutical Association, 2008
6. 3<sup>rd</sup> Prize, Science and Technology Prize in China Association for Instrument Analysis (CAIA), 2005

### **Research Funding**

1. Research and development of novel system for rapid detection of heavy metalcontaminants in Chinese medicine. Macau Science and Technology Development Fund, 2021-2024, MOP 2,267,000 (PI).

2. Research and development of key technologies for rapid detection of pesticides and heavy metals in traditional Chinese medicine. Macau-Guangdong (FDCT-GDST) Joint Research Grant, 2021-2023, MOP 927,000 (PI).
3. The novel oral administration Isoliquiritigenin-Protein/Zein nanodrug targeting for triple-negative breast cancer treatment. Hong Kong Innovation and Technology Commission (ITC), 2021-2023, HKD 404,000 (Co-PI).
4. Construction of composite sensing system based on fluorescent copper nanocluster and metal-organic frameworks nanozyme and the application in fast detection of organophosphorus pesticides. Macau Science and Technology Development Fund, 2020-2023, MOP 1,957,000 (PI).
5. Research and application of key technologies for evaluation of active ingredients of antiviral traditional Chinese medicine. Science & Technology Department of Sichuan Province, 2020-2021, RMB 300,000 (Co-PI).
6. Exploration of the effective components and potential mechanism responsible for detoxifying properties in Chinese medicines formula containing heavy metals. Research Committee of the University of Macau, 2019-2021, MOP 1,449,000 (PI).
7. Research on industrial development key technologies and application demonstration of Guangxi characteristic medicinal resource Golden camellia. Department of Science and Technology of Guangxi Province, 2018-2021, RMB 1,728,000 (Co-PI).
8. Bioactive substance characterization and clinical research of Zishen Yutai Pills based on quantitative composition-activity relationship models. Guangzhou International S&T Collaboration Funding, 2018-2021, RMB 1,200,000 (PI).
9. Construction of a sensitive system for rapid detection of organophosphorus pesticide residues based on nanozyme-molecular imprinting-quantum probe techniques. Macau Science and Technology Development Fund, 2018-2020, MOP 1,308,000 (PI).

10. Study on the key safety validation elements of Chinese medicine in international trade. Macau Science and Technology Development Fund, 2015-2018, MOP 2,100,000 (Co-I).
11. Construction of a novel two-dimensional immunoaffinity capillary electrochromatography and its application in the screening of the active compounds from some tonic Chinese herbs. Research Committee of the University of Macau, 2014-2017, MOP 800,000 (PI).
12. Establishment and optimization of key technologies for systematic screening of Chinese medicine based on multi-targets property. Macau Science and Technology Development Fund, 2013-2016, MOP 3,590,000 (Co-I).
13. Evaluation of several Salvia medicinal plants based on the quantitative composition-activity relationship study. Research Committee of the University of Macau, 2013-2015, MOP 960,000 (PI).
14. Discovery and mechanism study of anti-epilepsy compounds from three cynanchum species. Macau Science and Technology Development Fund, 2013-2015, MOP 690,000 (PI).
15. The discovery and the mechanism study of angiogenesis inhibitors from three salvia species. National Natural Science Funds (No. 30960042), 2010-2012, RMB 210,000 (PI).
16. The discovery and the mechanism study of anti-epilepsy compounds from four cynanchum species. National Natural Science Funds (No. 31160065), 2012-2015, RMB 500,000 (PI).

### **Publications (first and corresponding author: 70)**

1. Cheng Z, Wei J, Gu L, Zou L, Wang T, Chen L, Li Y, Yang Y, **Li P\***. DNAzyme-based biosensors for mercury (II) detection: Rational construction, advances and perspective. J Hazard Mater. 2022, 431: 128606.

2. Luo M, Chen L, Wei J\*, Cui X, Cheng Z, Wang T, Chao I, Zhao Y, Gao H\*, **Li P\***. A two-step strategy for simultaneous dual-mode detection of methyl-paraoxon and Ni (II). *Ecotoxicol Environ Saf.* 2022, 239: 113668.
3. Chen L, Lu J, Luo M, Yu H, Chen X, Deng J, Hou X, Hao E, Wei J\*, **Li P\***. A ratiometric fluorescent sensing system for the selective and ultrasensitive detection of pesticide residues via the synergetic effects of copper nanoclusters and carbon quantum dots. *Food Chem.* 2022, 379: 132139.
4. Jiang M, Cao J, Zhang C, Su B, Wang S\*, Ning N, Lei T, **Li P\***. A comprehensive strategy for quality evaluation of Wushe Zhiyang Pills by integrating UPLC-DAD fingerprint and multi-ingredients rapid quantitation with UPLC-MS/MS technology. *J Pharm Biomed Anal.* 2022, 210: 114556.
5. Wang GJ, Zhang SY, Sun ZL\*, **Li P**, Ding TM\*. Highly site- and enantioselective N-H functionalization of N-monosubstituted aniline derivatives affording pyrazolones bearing a quaternary stereocenter. *Chin J Chem.* 2022, 40: 1144-1148.
6. Tan W, Pan T, Wang S, **Li P**, Men Y, Tan R, Zhong Z\*, Wang Y\*. Immunometabolism modulation, a new trick of edible and medicinal plants in cancer treatment. *Food Chem.* 2022, 376: 131860.
7. Tsoi B, Gao C, Yan S, Du Q, Yu H, **Li P**, Deng J, Shen J\*. Camellia nitidissima Chi extract promotes adult hippocampal neurogenesis and attenuates chronic corticosterone-induced depressive behaviours through regulating Akt/GSK3 $\beta$ /CREB signaling pathway. *J Funct Foods.* 2022, 95: 105199.
8. Zhang LL, Sheng F, He Y, Yang Y, Hu YF, Li W, **Li P**, Wu MY, Gong Y, Zhang Y\*, Zou L\*. Buxue Yimu Pills improve angiogenesis and blood flow in experimental zebrafish and rat models. *J Ethnopharmacol.* 2022, 289: 115002.
9. Zhao J, Li Y, Ma J, Liu J, Xiao R, Wang L, **Li P**, He Y, Qian F, Zhang A, Sun ZL\*, Ding C\*. Synthesis and pharmacological validation of fluorescent diarylsulfonylurea analogues as NLRP3 inhibitors and imaging probes. *Eur J Med Chem.* 2022, 237: 114338.

10. Li G, Li D, Wu C, Li S, Chen F, **Li P**, Ko CN, Wang W, Lee Simon MY, Lin L\*, Ma DL\*, Leung CH\*. Homocysteine-targeting compounds as a new treatment strategy for diabetic wounds via inhibition of the histone methyltransferase SET7/9. *Exp Mol Med*. 2022, 54: 988-998.
11. Chen L, Cheng Z, Luo M, Wang T, Zhang L, Wei J, Wang Y, **Li P**\*. Fluorescent noble metal nanoclusters for contaminants analysis in food matrix. *Crit Rev Food Sci Nutr*. In press.
12. Wang S, Sheng F, Zou L, Xiao J\*, **Li P**\*. Hyperoside attenuates non-alcoholic fatty liver disease in rats via cholesterol metabolism and bile acid metabolism. *J Adv Res*. In press.
13. Cheng Z, Gu L, Zhang Y, Yang L, Chen L, Wang T, Luo M, Wei J\*, **Li P**\*. Copper ions assisted fluorescent detection of some dithiocarbamates based on nickel nanocluster with aggregation-induced emission enhancement behavior. *J Hazard Mater*. 2022, 424: 127555.
14. Yang L, Wu S, Wei J, Deng J, Hou X, Hao E, Zhang L, Wei J, **Li P**\*. A sensitive and simple HPLC-FLD-based method for the measurement of intracellular glucose uptake. *Food Chem*. 2022, 372: 131218.
15. Sheng F, Wang S, Luo X, Xiao J, Hu L, **Li P**\*. Simultaneous determination of ten nucleosides and bases in Ganoderma by micellar electrokinetic chromatography. *Food Sci Hum Well*. 2022, 11: 263.
16. Wei J, Liu Y, Yu J, Chen L, Luo M, Yang L, **Li P**\*, Li S\*, Zhang X\*. Conjugated polymers: optical toolbox for bioimaging and cancer therapy. *Small*. 2021: 2103127
17. Huang Z, Wei J, Wan Y, **Li P**\*, Yu J, Dong J, Wang S\*, Li S\*, Lee CS\*. Aligned millineedle arrays for solar power seawater desalination with site-specific salt formation. *Small*. 2021: 2101487.
18. Wang S, Cao J, Deng J, Hou X, Hao E, Zhang L, Yu H, **Li P**\*. Chemical characterization of flavonoids and alkaloids in safflower (*Carthamus tinctorius* L.) by comprehensive two-dimensional hydrophilic interaction chromatography

- coupled with hybrid linear ion trap Orbitrap mass spectrum. Food Chem: X. 2021, 12: 100143.
19. Yang L, Cao J, Wei J, Deng J, Hou X, Hao E, Du Z, Zou L, **Li P\***. Antiproliferative activity of berberine in HepG2 cells via inducing apoptosis and arresting cell cycle. Food Funct. 2021, 12: 12115.
20. Ganesan K, Wang Y, Gao F, Liu Q, Zhang C, **Li P**, Zhang J, Chen J. Targeting Engineered Nanoparticles for Breast Cancer Therapy. Pharmaceutics 2021, 13: 1829.
21. Sun Y, Wei J, Zhou J, Cheng Z, Huang Z, Gu L, Zhong Z, Li S, Wang Y, **Li P\***. Electrochemical detection of methyl-paraoxon based on bifunctional cerium oxide nanozyme with catalytic activity and signal amplification effect. J Pharm Anal. 2021, 11: 653.
22. Wang T, Wang S, Cheng Z, Wei J\*, Yang L, Zhong Z, Hu H, Wang Y, Zhou B\*, **Li P\***. Emerging core-shell nanostructures for surface-enhanced Raman scattering (SERS) detection of pesticide residues. Chem Eng J. 2021, 424:130323.
23. Wang S, Xiao X, Li A, **Li P\***. The herbal constituents in An-Gong-Niu-Huang Wan (AGNH) protect against cinnabar- and realgar-induced hepatorenal toxicity and accumulations of mercury and arsenic in mice. Evid Based Complementary Altern Med. 2021, 5566078.
24. Yang L, Xue Y, Wei J, Dai Q, **Li P\***. Integrating metabolomic data with machine learning approach for discovery of Q-markers from Jinqi Jiangtang preparation against type 2 diabetes. Chin Med. 2021, 16: 30.
25. Jiang M, Sheng F, Zhang Z, Ma X, Gao T, Fu C\*, **Li P\***. *Andrographis paniculata* (Burm.f.) Nees and its major constituent andrographolide as potential antiviral agents. J Ethnopharmacol. 2021, 272:113954.
26. Peng Y, Shi Z, Satyanarayanan SK, He C, **Li P**, Wan, JB, Su H\*. Fish oil alleviates LPS-induced inflammation and depressive-like behavior in mice via restoration of metabolic impairments. Brain Behav Immun. 2020, 90: 393-402.
27. Cao J, Lei T, Wu S, Li H, Deng Y, Lin R, Ning N, Geng C, Wang S, Wu X\*, **Li P\***, Wang Y. Development of a comprehensive method combining UHPLC-CAD

- fingerprint, multi-components quantitative analysis for quality evaluation of Zishen Yutai Pills: A step towards quality control of Chinese patent medicine. *J Pharm Biomed Anal.* 2020, 191: 113570.
28. Huang Z, Cui X, Li S\*, Wei J, **Li P**, Wang Y\*, Lee CS\*. Two-dimensional MXene-based materials for photothermal therapy. *Nanophotonics.* 2020, 9: 2233-2249.
29. Li H, Cao J, Wu X, Deng Y, Ning N, Geng C, Lei T, Lin R, Wu D, Wang S\*, **Li P**\*, Wang Y. Multiple fingerprint profiling for quality evaluation of polysaccharides and related biological activity analysis of Chinese patent drugs: Zishen Yutai Pills as a case study. *J Ethnopharmacol.* 2020, 260: 113045.
30. Wu X, Cao J, Li M, Yao P, Li H, Xu W, Yuan C, Liu J, Wang S\*, **Li P**\*, Wang Y. An integrated microbiome and metabolomic analysis identifies immunoenhancing features of *Ganoderma lucidum* spores oil in mice. *Pharmacol Res.* 2020, 158: 104937.
31. Ma LJ, Cao JL, Meng FC, Wang SP, Deng Y, Wang YT, **Li P**\*, Wan JB\*. Quantitative characterization of ginsenoside biotransformation in *Panax notoginseng* inflorescences and leaves by online two-dimensional liquid chromatography coupled to mass spectrometry. *J Agric Food Chem.* 2020, 68: 5327-5338.
32. Wei J, Xue Y, Dong J, Wang S, Hu H, Gao H\*, **Li P**\*, Wang Y\*. A new fluorescent technique for pesticide detection by using metal coordination polymer and nanozyme. *Chin Med.* 2020, 15: 22.
33. Sheng F, Zhang L, Wang S, Yang L, **Li P**\*. Deacetyl Ganoderic Acid F Inhibits LPS-Induced Neural Inflammation via NF- $\kappa$ B Pathway Both In Vitro and In Vivo. *Nutrients.* 2019, 12: E85.
34. Peng Y, Ren H, Tao H, He C, **Li P**, Wan JB, Su H. Metabolomics study of the anti-inflammatory effects of endogenous omega-3 polyunsaturated fatty acids. *RSC Adv.* 2019, 9: 41903.



35. Luo M, Wei J, Zhao Y, Sun Y, Liang H, Wang S, **Li P\***. Fluorescent and Visual Detection of Methyl-paraoxon by Using Boron-and Nitrogen-doped Carbon Dots. *Microchem J.* 2020, 154: 104547.
36. Cao JL, Ma LJ, Wang SP, Deng Y, Wang YT, **Li P\***, Wan JB\*. Comprehensively qualitative and quantitative analysis of ginsenosides in Panax notoginseng leaves by online two-dimensional liquid chromatography coupled to hybrid linear ion trap Orbitrap mass spectrometry with deeply optimized dilution and modulation system. *Anal Chim Acta.* 2019, 1079: 237-251.
37. Yang L, Wei J, Sheng F, **Li P\***. Attenuation of palmitic acid–induced lipotoxicity by chlorogenic acid through activation of SIRT1 in hepatocytes. *Mol Nutr Food Res,* 2019, 63: 1801432.
38. Wei J, Yang L, Luo M, Wang YT, **Li P\***. Nanozyme-assisted technique for dual mode detection of organophosphorus pesticide. *Ecotoxicol Environ Saf,* 2019, 179: 17-23.
39. Guo P, Chen G, Shu H, **Li P**, Yu P, Chang C, Wang YT, Fu Q\*. Monodisperse molecularly imprinted microsphere cartridges coupled with HPLC for selective analysis of dexamethasone and hydrocortisone in cosmetics by using matrix solid-phase dispersion. *Anal Methods,* 2019, 29: 3687-3696.
40. Guo P, Yang W, Hu H, Wang Y, **Li P\***. Rapid detection of aflatoxin B1 by dummy template molecularly imprinted polymer capped CdTe quantum dots. *Anal Bioanal Chem,* 2019, 411: 2607-2617.
41. Wei J, Yang Y, Dong J, Wang S\*, **Li P\***. Fluorometric determination of pesticides and organophosphates using nanoceria as a phosphatase mimic and an inner filter effect on carbon nanodots. *Microchim Acta,* 2019, 186: 66.
42. Yang L, Li L, Hu H, Wan J, **Li P\***. Natural deep eutectic solvents for simultaneous extraction of multi-bioactive components from Jinqi Jiangtang preparations. *Pharmaceutics,* 2019, 11: 18.
43. Liu F, Ma N, Xia F, **Li P**, He C, Wu Z, Wan J. Preparative separation of minor saponins from Panax notoginseng leaves using biotransformation, macroporous

- resins and preparative high-performance liquid chromatography. *J Ginseng Res*, 2019, 43: 105-115.
44. Wang Y, Ma L, Zhang M, Chen M, **Li P**, He C, Yan C, Wan JB. A simple method for peak alignment using relative retention time related to an inherent peak in liquid chromatography-mass spectrometry-based metabolomics. *J Chromatogr Sci*, 2019, 57: 9-16.
45. Zhang L, Dou X, Zhang C, Ying G, Liu C, Luo J, Li Q, **Li P\***, Wang Y, Yang M\*. Facile preparation of stable PEG-functionalized quantum dots with glycine-enhanced photoluminescence and their application for screening of aflatoxin B1 in herbs. *Sensor Actuat B-Chem*, 2018, 261: 188-195.
46. Li A, Zhang J, Xiao X, Wang S, Wan J, Chai Y\*, **Li P\***, Wang Y. Hepatorenal protective effects of medicinal herbs in An-Gong-Niu-Huang Wan (AGNH) against cinnabar- and realgar-induced oxidative stress and inflammatory damage in mice. *Food Chem Toxicol*, 2018, 119: 445-456.
47. Cao JL, Wang SS, Hu H, He CW, Wan JB, Su HX, Wang YT, **Li P\***. Online comprehensive two-dimensional hydrophilic interaction chromatography × reversed-phase liquid chromatography coupled with hybrid linear ion trap Orbitrap mass spectrometry for the analysis of phenolic acids in *Salvia miltiorrhiza*. *J Chromatogr A*, 2018, 1536: 216-227.
48. Wang S, Xu Y, Li C, Tao H, Wang A, Sun C, Zhong Z, Wu X, **Li P\***, Wang Y\*. Gambogic acid sensitizes breast cancer cells to TRAIL-induced apoptosis by promoting the crosstalk of extrinsic and intrinsic apoptotic signaling. *Food Chem Toxicol*, 2018, 119: 334-341.
49. Xia F, Li A, Chai Y, Xiao X, Wan J\*, **Li P\***, Wang Y. UPLC/Q-TOFMS-based metabolomics approach to reveal the protective role of other herbs in An-Gong-Niu-Huang Wan against the hepatorenal toxicity of cinnabar and realgar. *Front Pharmacol*, 2018, 9: 618.
50. Liu W, Song Q, Yan Y, Liu Y, **Li P**, Wang Y, Tu P, Song Y, Li J. Integrated approach for confidence-enhanced quantitative analysis of herbal medicines, *Cistanche salsa* as a case. *J Chromatogr A*, 2018, 1561: 56-66.

51. Wang A, Li D, Wang S, Zhou F, **Li P**, Wang Y, Lin L.  $\gamma$ -Mangostin, a xanthone from mangosteen, attenuates oxidative injury in liver via NRF2 and SIRT1 induction. *J Funct Foods*, 2018, 40: 544-553.
52. Liu Y, Song Q, Liu W, **Li P**, Li J, Zhao Y, Zhang L, Tu P, Wang Y, Song Y. Authentic compound-free strategy for simultaneous determination of primary coumarins in *Peucedani Radix* using offline high performance liquid chromatography–nuclear magnetic resonance spectroscopy–tandem mass spectrometry. *Acta Pharm Sin B*, 2018, 8: 645-654.
53. Wei JC, Wei B, Yang W, He CW, Su HX, Wan JB, **Li P\***, Wang YT. Trace determination of carbamate pesticides in medicinal plants by a fluorescent technique. *Food Chem Toxicol*, 2018, 119: 430-437.
54. Song Q, Liu W, Chen X, Li J, **Li P**, Yang F, Wang Y, Song Y, Tu P. Serially coupled reversed phase-hydrophilic interaction liquid chromatography–tailored multiple reaction monitoring, a fit-for-purpose tool for large-scale targeted metabolomics of medicinal bile. *Anal Chim Acta*, 2018, 1037: 119-129.
55. Liu F, Ma N, He C, Hu Y, **Li P**, Chen M, Su H, Wan J. Qualitative and quantitative analysis of the saponins in *Panax notoginseng* leaves using ultra-performance liquid chromatography coupled with time-of-flight tandem mass spectrometry and high performance liquid chromatography coupled with UV detector. *J Ginseng Res*, 2018, 42: 149-157.
56. Wang A, Wang S, Zhou F, **Li P**, Wang Y, Gan L, Lin L. Physalin B induces cell cycle arrest and triggers apoptosis in breast cancer cells through modulating p53-dependent apoptotic pathway. *Biomed Pharmacother*, 2018, 101: 334-341.
57. Jia X, Liang Y, Zhang C, Wang K, Tu Y, Chen M, **Li P**, Wan JB, He C. Polysaccharide PRM3 from *Rhynchosia minima* root enhances immune function through TLR4-NF- $\kappa$ B pathway. *Biochim Biophys Acta Gen Subj*, 2018, 1862: 1751-1759.

58. Bao J, Ding RB, Jia X, Liang Y, Liu F, Wang K, Zhang C, **Li P**, Wang Y, Wan JB, He C. Fast identification of anticancer constituents in Forsythiae Fructus based on metabolomics approaches. *J Pharm Biomed Anal*, 2018, 154: 312-320.
59. Li YX, Gong XH, Liu MC, Peng C\*, **Li P\***, Wang YT. Investigation of liver injury of Polygonum multiflorum Thunb. in rats by metabolomics and traditional approaches. *Front Pharmacol*, 2017, 8: 791.
60. Li YX, Gong XH, Liu MC, Peng C\*, **Li P\***, Wang YT. A new strategy for quality evaluation and identification of representative chemical components in Polygonum multiflorum Thunb. *Evid Based Complement Alternat Med*, 2017, 2017: 6238464.
61. Wu X, Wang S, Li M, Wang A, Zhou Y, **Li P\***, Wang Y\*. Nanocarriers for TRAIL delivery: driving TRAIL back on track for cancer therapy. *Nanoscale*, 2017, 9: 13879-13904.
62. Wei J, Cao J, Hu H, Yang Q, Yang F, Wan J, Su H, He C, **Li P\***, Wang Y\*. Sensitive and Selective Detection of Oxo-Form Organophosphorus Pesticides Based on CdSe/ZnS Quantum Dots. *Molecules*, 2017, 22: 1421.
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64. Li A, Zhang J, Zhang X, Wang J, Wang S, Xiao X, Wang R\*, **Li P\***, Wang Y. Angiotensin II induces connective tissue growth factor expression in human hepatic stellate cells by a transforming growth factor  $\beta$ -independent mechanism. *Sci Rep*, 2017, 7(1): 7841.
65. Li A, Zhang X, Shu M, Wu M, Wang J, Zhang J, Wang R\*, **Li P\***, Wang Y. Arctigenin suppresses renal interstitial fibrosis in a rat model of obstructive nephropathy. *Phytomedicine*, 2017, 30: 28-41.
66. Yu H, Qiu JF, Ma LJ, Hu YJ, **Li P\***, Wan JB\*. Phytochemical and phytopharmacological review of *Perilla frutescens* L. (Labiatae), a traditional edible-medicinal herb in China. *Food Chem Toxicol*, 2017, 108(Pt B): 375-391.

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68. Cai Y<sup>#</sup>, **Li P<sup>#</sup>**, Li XW, Zhao J, Chen H, Yang Q, Hu H. Converting Panax ginseng DNA and chemical fingerprints into two-dimensional barcode. *J Ginseng Res*, 2017, 41(3): 339-346.
69. Zhou Y<sup>#</sup>, **Li P<sup>#</sup>**, Brantner A, Wang H, Shu X, Yang J, Si N, Han L, Zhao H, Bian B. Chemical profiling analysis of Maca using UHPLC-ESI-Orbitrap MS coupled with UHPLC-ESI-QqQ MS and the neuroprotective study on its active ingredients. *Sci Rep*. 2017, 7: 44660.
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71. Song Q, Liu W, Yan Y, **Li P**, Li J, Tu P, Wang Y, Song Y. Polarity-extended quantitative analysis of bear bile and its analogues using serially coupled reversed phase-hydrophilic interaction liquid chromatography-tailored multiple reaction monitoring. *RSC Adv*, 2017, 7: 52822.
72. Yan Y, Song Q, Chen X, Li J, **Li P**, Wang Y, Liu T, Song Y, Tu P. Simultaneous determination of components with wide polarity and content ranges in *Cistanche tubulosa* using serially coupled reverse phase-hydrophilic interaction chromatography-tandem mass spectrometry. *J Chromatogr A*, 2017, 1501: 39-50.
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79. Bao J, Ding RB, Liang Y, Liu F, Wang K, Jia X, Zhang C, Chen M, **Li P**, Su H, Wan JB, Wang Y, He C. Differences in chemical component and anticancer activity of green and ripe *Forsythiae Fructus*. *Am J Chin Med*, 2017, 45(7): 1513-1536.
80. Zhang C, Li C, Chen S, Li Z, Ma L, Jia X, Wang K, Bao J, Liang Y, Chen M, **Li P**, Su H, Lee SM, Liu K, Wan JB, He C. Hormetic effect of panaxatriol saponins confers neuroprotection in PC12 cells and zebrafish through PI3K/AKT/mTOR and AMPK/SIRT1/FOXO3 pathways. *Sci Rep*, 2017, 7: 41082.
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83. Li Y, Yu H, **Li P**, Bian Y. Assessment the exposure level of rare earth elements in workers producing cerium, lanthanum oxide ultrafine and nanoparticles. *Biol Trace Elem Res*, 2017, 175(2): 298-305.
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89. Cao J, Wei J, Hu YJ, He CW, Chen M, Wan JB, **Li P\***. Qualitative and quantitative characterization of phenolic and diterpenoid constituents in Danshen (*Salvia miltiorrhiza*) by comprehensive two-dimensional liquid chromatography. *J Chromatogr A*, 2016, 1427: 79-89.
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### **Books / Book Chapters**

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2. Guo L, Kang WY, Yin L, Song XM, Chen JZ, **Li P (associate editor)**, Wei Y. *Chemistry of Traditional Chinese Medicine*. China Medical Science Press: Beijing, 2015.
3. **Li P**, Li SP. Pressurized Liquid Extraction in Phytochemical Analysis. In: *Tzanavaras, P.D. & Zacharis Reviews in Pharmaceutical and Biomedical Analysis*. Paraskevas D. Tzanavaras & Constantinos K. Zacharis, Ed. Bentham Science Publishers, Inc.: Netherlands, 2010.
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5. **Li P**, et al. *Chinese Medical Sciences collection Series (B) – Progress in Traditional Chinese Medical Research*, 2005.



## **Professional Affiliation**

- Vebleo Fellow (2022)
- Standard Reviewer for High-Quality Food, Greater Bay Area Standards Promotion Council (11/2021 – present)
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- Youth Committee Member, China Association of Chinese Medicine (05/2021 – present)
- Academic Committee Member, NMPA Key Laboratory for Quality Monitoring and Evaluation of Traditional Chinese Medicine (08/2019 – present)
- Academic Committee Member, Macao Youth Scholars Program (01/2019 – 12/2021)
- Member, Macao Product Quality Certification Committee (03/2019 – present)
- Grand Reviewer, National Natural Science Foundation of China (01/2017 – present)
- Executive Council Member, 1st Board of Specialty Committee of Multidimensional Evaluation of Genuine Medicinal Materials of World Federation of Chinese Medicine Societies (10/2015 – present)
- Deputy Council President, International Association of Quality Research in Chinese Medicine (03/2015 – present)