



Position: Chair Professor, Academician of the

Chinese Academy of Engineering, Fellow

of National Academy of Inventors, President of Macau University of Science and Technology, Director of State Key Laboratory of Quality Research in Chinese

Medicine

Faculty: State Key Laboratory of Quality Research

in Chinese Medicine (SKL)

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Mailing Avenida Wai Long, Taipa, Macau Address: University of Science and Technology,

Macao

: Internal Medicine of Traditional Chinese Medicine; Methodology of Pharmacological Experiment (DCTZO2, DCWZ16, ME1003)

: Diagnosis and Treatment of Rheumatic Diseases by Chinese medicine; Molecular Pharmacology in Herbal Medicine Studies, Research and Development of the Innovative Anti-arthritic and Anti-cancer drugs

Chair Professor Liu Liang is the academician of the Chinese Academy of Engineering and fellow of National Academy of Inventors. He is the current President of Macau University of Science and Technology (MUST) and Director of State Key Laboratory of Quality Research in Chinese Medicine. He also serves as a project advisor for traditional medicine of World Health Organization (WHO), the Convener of 1st Working Group and Member of the Technical Committee of ISO/TC249, the founding President of the Specialty Committee of Immunology of Traditional Chinese Medicine (SCTTCM) and the Vice-president of the Specialty Committee of Education and 5 other Specialty Committees of the World Federation of Chinese Medicine Societies, as well as a series of academic and social concurrent positions including the standing member of China Association of Higher Education, Chair/member of the Grant Review Committee for Chinese Medicine Research funded by Natural Science Foundation of China (NSFC), member of Health Reform Advisory Committee of State Administration of Traditional Chinese Medicine, President of Macau International Collaboration Alliance for Rheumatology Research, member of Talents Development Committee and Science & Technology Committee of Macau Special Administrative Region

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Robof. Liu received ctorate degree of Philosophy from Guangzhou University of Traditional Chinese Medicine in Med Integration of Chinese and Western Medicine) in willing scholand attackler Institute of Molecular 1990. Then in 1992, he worked as a and Max-Planck (MPG) Institute of Clinical Pharmacology of Medical School Hannover my o<u>f S</u>ciences) at Erlangen-Nuremberg Immunology and Rheummatishm (German Aen i-arthritis and anti-inflammation by University in Germany, engaging in **ESE** Chippend herbal. medicine. After his many, Prof. Liu was appointed as eturn **hindes**e Medicine and supervisor for Vice-president of Guangzhou Universit .diÐor PhD students in 1997. Through the ts Scheme" launched by Honorarw i dan

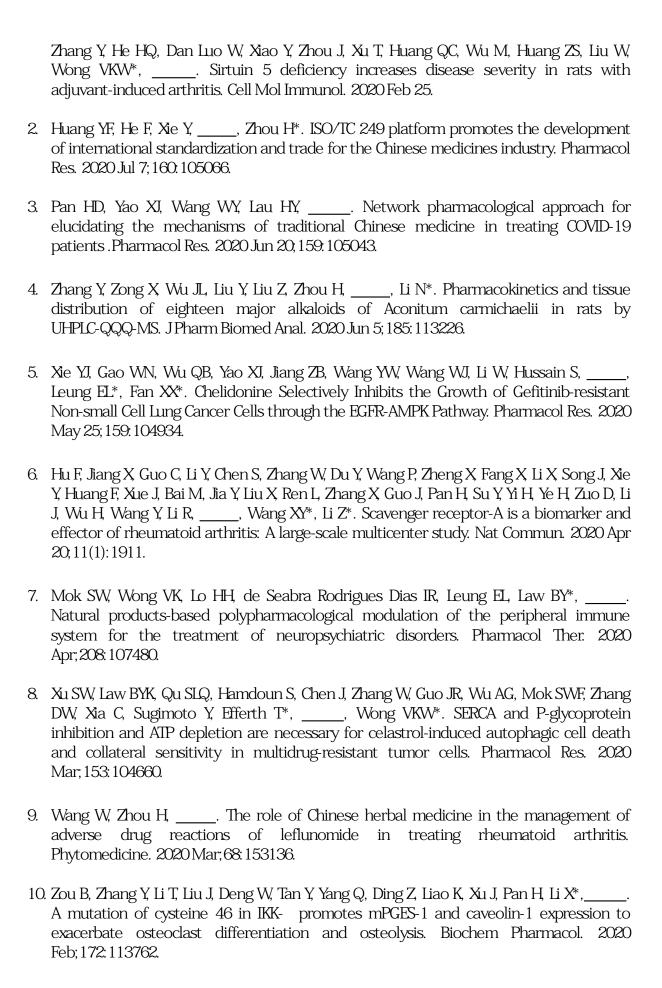
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biomarkers. By collaborating with Hunan Zhengqing Pharmaceutical Group, Prof. Liu successfully developed the new drug of Zhengqingfengtongning sustained release tablets which is the first controlled-release drug from Chinese herbal medicine in China. This drug has been widely used across China for the treatment of rheumatoid arthritis and other diseases and it also has been included in the drug list of National Medical Insurance and National Essential Medicine List. Zhengqingfengtongning is also the first drug to be able to suppress mPGES-1 which acts as the ultimate synthetase of prostaglandin E2. Since the mechanism of the drug is different from those anti-inflammatory drugs inhibiting COX2, it would not induce cardiovascular side effects. In addition, the research team led by Prof. Liu first established the gene catalogue of the Sprague-Dawley rats gut metagenome which will serve as a valuable resource for future work using rats as a model for inves

ubli has are Interna Patents a d 18 monographs and chapters as rial Boa a 3-volume set of Chinese medicine ember of s, includa monograph uded "Ess published by Springer in UK, which has and institutional libraries. The monograph been collec d and used by er 600 na "Safe and sonable Applica of Ch Herbal Medicine" has been an important reference book for the registered Camedicine pr

2013.1 – Present	President & Chair Professor / Macau University of Science and Technology, Macau
	Director / State Key Laboratory for Quality Research in Chinese Medicine (Macau University of Science and Technology), Macau
2011.7-2012.12	Vice-president & Chair Professor / Macau University of Science and Technology, Macau
	Director / State Key Laboratory for Quality Research in Chinese Medicine (Macau University of Science and Technology), Macau
2009.9-2011.6	Dean & Chair Professor / School of Chinese Medicine / Hong Kong Baptist University, Hong Kong
	Director & Fellow / Shum Yiu Foon Shum Bik Chuen Memorial Centre for Cancer and Inflammation Research / School of Chinese Medicine / Hong Kong Baptist University, Hongkong
2007.4-2009.8	Dean & Chair Professor / School of Chinese Medicine / Hong Kong Baptist University, Hong Kong
2001.1-2007.3	Dean & Professor / School of Chinese Medicine / Hong Kong Baptist University, Hong Kong
2000.8-2000.12	Executive Associate Dean & Professor / School of Chinese Medicine / Hong Kong Baptist University, Hong Kong
1997.9-2000.7	Vice-president & Professor / Guangzhou University of Traditional Chinese Medicine, Guangzhou
1996.6-1997.8	Assistant President & Associate Professor / Guangzhou University of Traditional Chinese Medicine, Guangzhou
1991.8-1996.5	Deputy-Director & Associate Professor/Pharmacology Division of the Institute for Chinese Medicine Development, Guangzhou University of Traditional Chinese Medicine, Guangzhou
1990.8-1991.7	Lecturer / Guangzhou College of Traditional Chinese Medicine, Guangzhou
1986.1-1987.8	Lecturer / Guangzhou College of Traditional Chinese Medicine, Guangzhou

1. Zhang N, Zhang H, Law BYK, Dias IRSR, Qiu CL, Zeng W, Dan Pan H, Chen JY, Bai YF, Lv J, Qu LQ, Chen X, Huang Q, Zhang W, Yang LJ, Yu L, Han Y, Huang GX, Wang HM, Sun XL,



11. Xu J, Wang Q, Leung ELH, Li Y, Fan X, Wu Q*, Yao X*, Compound C620-0696, a new potent inhibitor targeting BPTF, the chromatin-remodeling factor in non-small-cell lung cancer. Front Med. 2020 Feb; 14(1):60-67.
12. Law BYK, Michelangeli F, Qu YQ, Xu SW, Han Y, Mok SWF, Dias IRSR, Javed MU, Chan WK, Xue WW, Yao XI, Zeng W, Zhang H, Wang JR,, Wong VKW*. Neferine induces autophagy-dependent cell death in apoptosis-resistant cancers via ryanodine receptor and Ca 2+-dependent mechanism. Sci Rep. 2019 Dec 27;9(1):20034.
13. Duan FG, Wang MF, Cao YB, Dan Li, Li RZ, Fan XX, Khan I, Lai HL, Zhang YZ, Hsiao WW, Yao XJ, Wu QB,, Tang YJ*, Leung EL*. MicroRNA-421 confers paclitaxel resistance by binding to the KEAP1 3'UTR and predicts poor survival in non-small cell lung cancer. Cell Death Dis. 2019 Oct 28; 10(11):821.
14. Pan H, Zheng Y, Liu Z, Yuan Z, Ren R, Zhou H, Xie Y*, Deciphering the pharmacological mechanism of Guan-Jie-Kang in treating rat adjuvant-induced arthritis using omics analysis. Front Med. 2019 Oct; 13(5):564-574.
15. Han Y, Qu YQ, Mok SWF, Chen J, Xia CL, He HQ, Li Z, Zhang W, Qiu CL,, Law BYK*, Wong VKW*. A Novel Drug Resistance Mechanism: Genetic Loss of Xeroderma Pigmentosum Complementation Group C (XPC) Enhances Glycolysis-Mediated Drug Resistance in DLD-1 Colon Cancer Cells. Front Pharmacol. 2019 Sep 10;10:912.
16. HD Pan, Y Xiao, WY Wang RT Ren, LH Leung*, Traditional Chinese medicine as a treatment for rheumatoid arthritis: from empirical practice to evidence-based therapy. Engineering. 2019 Oct; 5(5):895-906.
17. Leung EL, Luo LX, Li Y, Liu ZQ, Li LL, Shi DF, Xie Y, Huang M, Lu LL, Duan FG, Huang JM, Fan XX, Yuan ZW, Ding J, Yao XJ*, Ward DC*, Identification of a new inhibitor of KRAS-PDE interaction targeting KRAS mutant nonsmall cell lung cancer. Int J Cancer. 2019 Sep 1;145(5):1334-1345.
18. Wong VKW, Qiu C, Xu SW, Law BYK, Zeng W, Wang H, Michelangeli F, Dias IRSR, Qu YQ, Chan TW, Han Y, Zhang N, Mok SWF, Chen X, Yu L, Pan H, Hamdoun S, Efferth T, Yu WJ, Zhang W, Li Z, Xie Y, Luo R, Jiang Q, Ca 2+ signalling plays a role in celastrol-mediated suppression of synovial fibroblasts of rheumatoid arthritis patients and experimental arthritis in rats. Br J Pharmacol. 2019 Aug; 176(16): 2922-2944.
19. Pan H, Guo R, Ju Y, Wang Q, Zhu J, Xie Y, Zheng Y, Li T, Liu Z, Lu L, Li F, Tong B, Xiao L, Xu X, Leung EL, Li R, Yang H, Wang J, Zhou H, Jia H, A single bacterium restores the microbiome dysbiosis to protect bones from destruction in a rat model of rheumatoid arthritis. Microbiome. 2019 Jul 17;7(1):107.
20. Huang J, Du J, Lin W, Long Z, Zhang N, Huang X, Xie Y,, Ma W*. Regulation of

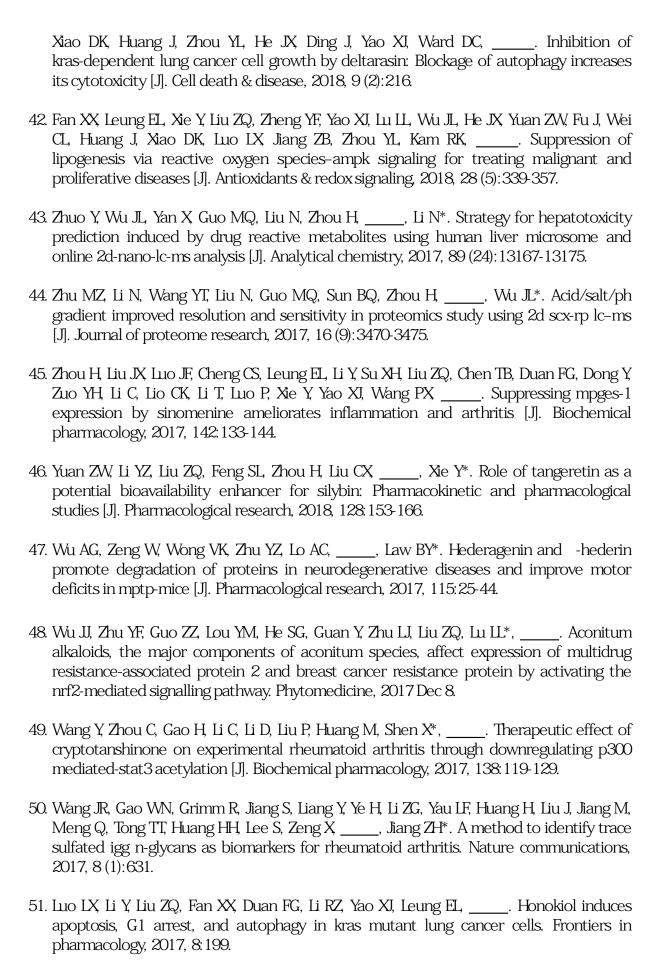
actate pro through p53/-enol axis contributes to tin-associated muscle dicine. 2019 Jul; 45: 2 260. ng Y, Pan H, Jiang Z, L Li Y, Xia L, Liu W, Z g X, Liu Z, Jiang M, Liu J, Wang rum IgG N-glycans ad omarkers of ankylosing s novel serun um Dis. 2019 May; 78(5): *Z*07. Y, Zou B, Toury, Su J, Wang Y, Xu J, Tao L, Zhou H, _____, Li X*. Sinomenine inhibits ysis in l ancer by reducing IL-8/CXCR1 and c-Fos/NFATc1 signaling Pharmacol Res. 2019 Apr; 142: 140-150. 23. Huang RY, Pan H Vu JQ, Zhou H, Li ZG, Qiu P, Zhou YY, Chen XM, Xie ZX, Xiao Y, Huang QC*, . Comparison of combination therapy with methotrexate and sinomenine or leflunomide for active rheumatoid arthritis: A randomized controlled clinical trial. Phytomedicine. 2019 Apr; 57: 403-410. 24. Zong X, Yan X, Wu JL, Liu Z, Zhou H, Li N*, _____. Potentially Cardiotoxic Diterpenoid Alkaloids from the Roots of Aconitum carmichaelii. J Nat Prod. 2019 Apr 26;82(4):980-989. 25. Liu J, Bai LP, Yang F, Yao X, Lei K, Kei Lam CW, Wu Q, Zhuang Y, Xiao R, Liao K, Kuok H, Li T*, Potent Antagonists of ROR t, Cardenolides from Calotropis gigantea, Exhibit Discrepant Effects on the Differentiation of TLymphocyte Subsets. Mol Pharm. 2019 Feb 4; 16(2): 798-807. 26. Fan XX, Pan HD, Li Y, Guo RJ, Leung Elaine LH,____.Novel therapeutic strategy for cancer and autoimmune conditions: Modulating cell metabolism and redox capacity. Pharmacol Ther. 2018 Nov. 191: 148-161. 27. Li RZ, Fan XX, Shi DF, Zhu GY, Wang YW, Luo LX, Pan HD, Yao XJ*, Leung EL*, __.Identification of a new pyruvate kinase M2 isoform (PKM2) activator for the treatment of non-small-cell lung cancer (NSCLC) . Chem Biol Drug Des. 2018 Nov;92(5):1851-1858. 28. Wang W, Zhou H, Side effects of methotrexate therapy for rheumatoid arthritis: A systematic review. Eur J Med Chem. 2018 Oct 5; 158:502-516. 29. Bian X, Li N*, Tan B, Sun B, Guo MQ, Huang G, Fu L, Hsiao WLW, , Wu JL*. Polarity-tuning derivatization-LC-MS approach for probing global carboxyl-containing metabolites in colorectal cancer. Anal Chem. 2018 Oct 2;90(19):11210-11215.

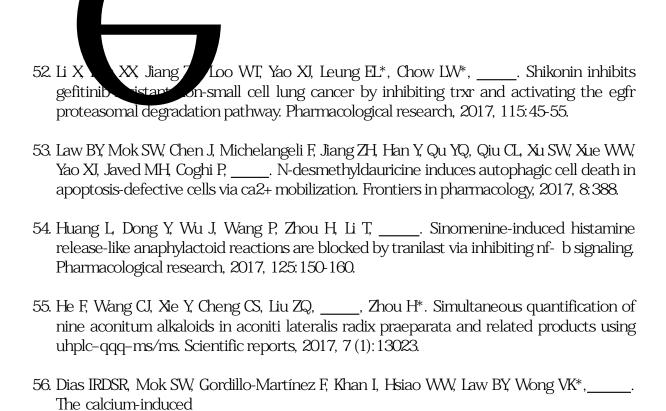
CBP/p300 bromodomains. Org Biomol Chem. 2018 Sep 11;16 3

30. Wang Q, An X, Xu J, Wang Y, _____, Leung EL^* , Yao X^* . Classical molecular dynamics and metadynamics simulations decipher the mechanism of CBP30 selectively inhibiting

, Wang Y, Duan F, Li Y, Jiang Z, Luo L, _____, Leung ELH*, Yao X*. Krukovine resses KRAS-mutated lung cancer cell growth and proliferation by inhibiting the F-ERK pathway and inactivating AKT pathway. Front Pharmacol. 2018 Aug 22; 9:958. 32. Wang Y, Lai H, Fan X, Luo L, Duan F, Jiang Z, Wang Q, Leung ELH*, _____, Yao X*. Gossypol inhibits non-small cell lung cancer cells proliferation by targeting EGFRL858R/T790M. Front Pharmacol. 2018 Jul 9;9:728. 33. Mok SWF, Zeng W, Niu Y, Coghi P, Wu Y, Sin WM, Ng SI, Gordillo-Martínez F, Gao JY, Law BYK, , Yao X*, Wong VKW*. A method for rapid screening of anilide-containing AMPK modulators based on computational docking and biological validation. Front Pharmacol. 2018 Jul 3;9:710. 34. Yang F, Su X, Pi J, Liao K, Zhou H, Sun Y, Liu J, Guo X, Jiang J, Jin H, Cai J, Li T*,_____. Atomic force microscopy technique used for assessment of the anti-arthritic effect of licochalcone A via suppressing NF-B activation. Biomed Pharmacother. 2018 Jul; 103: 1592-1601. 35. Liang Y, Yan GY, Wu JL, Zong X, Liu Z, Zhou H, Ji N*. Qualitative and quantitative analysis of lipo-alkaloids and fatty acids in Aconitum carmichaelii using IC-MS and GC-MS. Phytochem Anal. 2018 Jul; 29(4): 398-405.

36. Li RZ, Fan XX, Duan FG, Jiang ZB, Pan HD, Luo LX, Zhou YL, Li Y, Yao XI, Leung





- 1. Pharmacological research (English), 2019-present
- 2. Engineering (English), 2019-present
- 3. Frontiers of Medicine (English), 2017-Present
- 4. Phytomedicine (English)
- 5. Journal of Chinese Medicine (English), 2012-Present
- 6. Journal of Traditional and Complementary Medicine (English), 2011-Present
- 7. Journal of Chinese Materia Medica, 2008-Present
- 8. Journal of Chinese Medicine Modernization, 2008-Present
- 9. Journal of Chinese Herbal Medicine (English), 2008-Present
- 10. Chinese J. of Integrative Western and Chinese Medicine (English), 2006-Present
- 11. Chinese Medicine (English), 2006-Present
- 12. Journal of Chinese Evidence-based Medicine, 2006-Present
- 13. Chinese J. of Natural Products. 2003-Present
- 14. Chinese J. of Immunology, 2002-Present
- 15. Chinese J. of Chinese Materia Medica, 2002-Present
- 16. J. of Guangzhou University of Traditional Chinese Medicine, 1999-2001
- 17. J. Hubei Integrated Chinese Medicine with Western Medicine, 1999-2001
- 1. Project Advisor, World Health Organization (WHO), 2003 Present
- 2. Member, Expert Panel for WHO ICD-TM, 2008 Present
- 3. Convener, Working Group One of ISO/TC249 on Traditional Medicine, 2011- Present
- 4. Member, Technical Committee for ISO/TC249 on Traditional Medicine, 2010 Present
- 5. Member, Science and Technology Committee of Macau Special Administrative Region, 2013.1. Present
- 6. Member, Committee for the Corporations between the Mainland and Macau on Science and Technology, 2013.1 Present
- 7. Member, Expert Advisory Committee for Developing Overseas Collaboration in Chinese Medicine, State Administration in Chinese Medicine, 2011 Present
- 8. Member, Expert Panel on the Chinese Medicine Project under the National 973 Research Scheme, 2012 - Present
- 9. Member, Expert Panel for the Assessment of Chinese Medicine Research, Natural Science Foundation of China, 1998 Present
- 10. Vice-Chair of the Educational Committee, Federation of World Chinese Medicine Societies, 2006 - Present
- 11. Vice-Chair of the Advisory Expert Committee, Federation of World Chinese Medicine Societies, 2011 Present
- 12. Vice-President of the Chinese Medicine and Immunology Association, China Immunology

- Society, 2005 Present
- 13. Founding and Executive Member of the Consortium for Globalization of Chinese Medicine, 2003 Present
- 14. Executive President, The Collaborative Centre of Science and Technology on Chinese Medicine for the Mainland, Taiwan, Hong Kong and Macau, 2011.12 Present
- 15. Honorary Consultant, Department of Health of Hong Kong Special Administrative Region (HKSAR), 2011.6 Present
- Member, Working Group on Primary Care, Health and Medical Development Advisory Committee, HKSAR, 2008. 10 - Present
- 17. Honorary Chairman, The Hong Kong Scientist Association, HKSAR, 2009.1 Present
- 18. Distinguished Gust Researcher, Chinese Medical Academy of China, 2011.11 Present
- 19. Distinguished Gust Professor, Guangzhou University of Chinese Medicine, 2011.11-Present
- 20. Distinguished Gust Professor, Hunan University of Chinese Medicine, 2007 Present
- 21. Advisor, Hong Kong Idea Centre, 2010.3 Present
- 22. Permanent Member, China Immunology Society, 2002 Present
- 23. Member, China Pharmacological Society, 1994 Present
- 24. International Chinese Medicine Society of Macau, 2001- Present
- 25. Member, Association of Integrative Chinese and Western Medicine, 2004 Present
- 26. Chairman, Expect Panel Meeting for 2020 Strategy of Traditional Medicine in the West Pacific Region, Western Pacific Regional Office, WHO, 2011
- 27. Member, Grant Review Board, Health and Health Services Research Fund (HHSRF) and Research Fund for the Control of Infectious Diseases (RFCID), HKSAR, 2011. 2 2013
- 28. Member; Committee on Review of Intellectual Property Issues, Innovation and Technology Commission (ITC), HKSAR, 2010.11 2012.10
- 29. Member, Technical Committee, Hong Kong Jockey Club Institute of Chinese Medicine Limited, HKSAR, 2009.8 2011.11
- 30. Member, Council of Chinese Medicine of Hong Kong, 2008.9 2011.8
- 31. Directors of Hong Kong Jockey Club Institute of Chinese Medicine Limited, HKSAR, 2009.8-2011.11
- 32. Standing Member, Standing Committee of the World Federation of Chinese Medicine Societies, 2007 2011.10
- 33. Guest PhD Candidate Supervisor at Tianjin University of Traditional Chinese Medicine, 2006-2011
- 34. Advisor and Co-Chair, Expect Panel for Establishment of Traditional Medicine Practice Guidelines, Western Pacific Regional Office, WHO, 2006-2007
- 35. Proof Reading Reviewer for International Basic Terms of Traditional Medicine, Western Pacific Regional Office, WHO, 2006

- 36. Member, Japanese Pharmaceutical Society, 2003-2006
- 37. Member, Association of Registered Chinese Medicine Practitioners, HKSAR, 2011-Present
- 38. Temporary Advisor for Establishment of Guidelines for Academic Education Guidelines, Western Pacific Regional Office, WHO, 2003
- 39. Academic Advisor, Association of Registered Chinese Medicine Practitioners, 2003-Present
- 40. Academic Advisor, Xinhua Association for Promotion of Chinese Medicine, 2002-Present
- 41. Chairman, The Liaison Group for Formulation of Guidelines on the Insurance of Sick Leave Certificates by Registered Chinese Medicine Practitioners, Practitioners Board of Chinese Medicine Council of Hong Kong, HKSAR, 2002-2003
- 42. Member, Expert Committee on Regulation of Health Claims, Department of Health of Hong Kong, HKSAR, 2002-2003
- 43. Member of the Practitioners Board of Chinese Medicine Council of Hong Kong, HKSAR, 2002-2008
- 44. Member of the Expect Committee on New Drug Discovery, Ministry of Science and Technology of China, 1998-2001
- 45. Executive Member, Standing Committee of Guangdong Association of Traditional Chinese Medicine, Guangdong Province, China, 1998-2003
- 46. Standing Member, Standing Committee of Guangdong Chinese Medicine Society, 1998-2003
- 47. Deputy Chair, Sub-committee on Chinese Medicines, Chinese Association of Integrative Chinese and Western Medicine, 1998-2003
- 48. Standing Member, Guangzhou Association of Scientists and Technologists, Guangzhou, China, 1998-2001
- 49. Deputy-Director , Educational Program Development, Guangdong Province, China 1998-2001
- 50. Vice-President, Guangdong Association of Overseas Returned Scientists, Guangdong Province, China, 1998-2000
- 51. Standing Member, Standing Committee of the Chinese Association of Medicine-Doctorate Fellows, Beijing, China, 1997-2005
 - 1. First prize of the Nature and Science Category of 2016 Ministry of Education Higher Education Outstanding Scientific Research Output Awards for the Studies of Chinese medicine in suppression of cell over-proliferationon, the Ministry of Education of the People's of Republic China, 1 Dec. 2018, Beijing, China.
 - 2. First prize of the Nature and Science Category of 2014 Ministry of Education Higher Education Outstanding Scientific Research Output Awards (the sixth awardee) for

Studies on the network-based modulatory mechanism of the holistic therapy of traditional Chinese medicine, the Ministry of Education of the People's of Republic China, 1 Dec. 2014, Beijing, China.

- 3. Third Prize of Science & Technology Progress Category of the 2016 Macau Science and Technology Award (the second awardee) for R&D and Application of the Home Indoor Air Disinfectant from Chinese Herbal Medicine, Macau SAR, Oct. 2016, Macau SAR, China.
- 4. First Prize of the Nature and Science Category of the 2016 Macau Science and Technology Award (the second awardee) for Discovery of New Factors of Pathogenesis and Treatment Strategy in Rheumatoid Arthritis, Macau SAR, Oct. 2016, Macau SAR, China.
- 5. Special prize of the 2014 Macau Science and Technology Award (the second awardee) for Innovative methods in quality control and bioactivity evaluation for research and development of anti-arthritic proprietary Chinese medicine, Macau SAR, 8 Oct. 2014, Macau SAR, China.
- 6. Innovation of quality control and bioactivity assessment for R&D of anti-arthritic product from Chinese medicine, 2012 National Science & Technology Progress Award (Second Class), The People's Republic of China, 2012, Beijing
- 7. Investigation on Pi-deficiency Pattern of TCM, 2000 National Science & Technology Progress Award (Second Class), The People's Republic of China, 2000, Beijing
- 8. Studies on the authentication and standardization of 83 species of Chinese materia medica, National Science & Technology Progress Award (Third Class), The People's Republic of China, 1996, Beijing
- 9. "National Outstanding Young Scientist Award", Personnel Ministry of China, 1998, Beijing
- 10. Award of "Chinese Excellent Young Scholars for 21 Century", awarded by the Ministry of Education of China, 1999, Beijing
- 11. Studies of Innovative Methodologies on Quality Control and Efficacy Evaluation of Anti-arthritic Chinese Herbal Medicine and R&D of the Products, Li Shi Zhen Innovative Medical Science Award, awarded by the China Association of Chinese Medicine, 2011, Beijing
- 12. Honorary Fellowship of the Canadian Chartered Institute of Business Administration, awarded by the Canadian Chartered Institute of Business Administration, 2009, Canada

- 13. Studies on the drug actions and underlying mechanisms of Tong-Bi-Ling capsules and sinomenine on treatment of rheumatoid arthritis, Provincial Science & Technology Progress Award, awarded by Guangdong Province Government, 2006, Guangzhou
- 14. Studies on the effective ingredients and pharmacological mechanisms of Si-Jun-Zi Decoction on Tonifying Qi and Strengthening Pi, Provincial Science & Technology Progress Award, awarded by Guangdong Province Government, 2002, Guangzhou
- 15. Studies of Quality Evaluation on South Medicinal Herbs, Science and Technology Progress Award in Chinese Medicine (Second Class), awarded by Administration of Traditional Chinese Medicine of Guangdong Province, 1998, Guangzhou
- 16. Awarded "The Leading Person in the Ninth-Fifth Development Scheme of Health in Guangdong Province" by Department of Health of Guangdong Province, 1996, Guangzhou
- 17. "Outstanding Young Scholar in Chinese Medicine and Integrative Medicine Award", awarded by the Administration of Traditional Chinese Medicine of Guangdong Province, 1995, Guangzhou
- 18. Studies of the pharmacological effects and mechanisms of Chinese medicinal herbs and their formulas on Tonifying-Qi and Strengthening-Pi, Science and Technology Progress Award in Chinese Medicine (First Class), awarded by the Administration of Traditional Chinese Medicine of Guangdong Province, 1994, Guangzhou